

Goulais Wind Farm

Renewal Energy Approval Modification Document

JANUARY 2026



Goulais Wind Farm

Renewal Energy Approval Modification Document

PREPARED FOR:

Chi-Wiikwedong LP
1 Lipsit Lane
Goulais River, ON

PREPARED BY:



9 Cavell Avenue
Guelph, ON N1H 1Y4 Canada
www.avaanz.ca

November 19, 2025

Director, Renewable Energy Approvals
Ministry of Environment, Conservation and Parks
135 St. Clair Ave. West, 1st floor
Toronto, ON M4V 1P5

Dear Kendrick Doll:

Chi-Wiikwedong LP, by its general partner Chi-Wiikwedong Holdings LP, by its general partner Chi-Wiikwedong GP Inc. (Goulais), owns and operates the Goulais Wind Farm (the Project) with the associated Renewable Energy Approval (REA) #3507-9ABJWH dated October 4, 2013 as amended on September 3, 2014 (the Approval). Goulais retained Avaanz Ltd. (Avaanz) to prepare and submit a modification document to amend the REA to allow for additional operational flexibility and to update the company name to reflect the new corporate structure.

On behalf of our client, please enclosed please find the modification document and supporting information to amend the REA.

If you have any questions, please do not hesitate to reach out to me.

Sincerely,
Avaanz Ltd.

Irene Davies, Senior Environmental Planner

Distribution List

# Hard Copies	PDF Provided	Provided To
	✓	Chi-Wiikwedong LP
	✓	
	✓	
	✓	

Revision Log

Revision #	Revised By	Date	Revision Description
0		November 3, 2025	Draft posted to Capstone Website
1		November 19, 2025	Final version for submission to MECP
2		January 13, 2026	Updated version following MECP correspondence
		Click for Date	

Avaanz Signatures

Report Prepared By



Irene Davies
Senior Environmental Planner

Report Reviewed By



Mark van der Woerd
Principal, Senior Environmental Advisor

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Attachments

Attachment A – Goulais Wind Farm REA Amendment – NHA and EEMP Updates Memo. Prepared by NRSI on October 25, 2024.

Attachment B – Environmental Noise Impact Assessment – Goulais Wind Farm, Algoma, ON. Prepared by Aeroustics on September 11, 2024.

Attachment C – Limited partnership declaration for Chi-Wiikwedong LP

Attachment D – Limited partnership declaration for Chi-Wiikwedong Holdings LP

Attachment E – Certificate of name change for 2380325 Ontario Inc.

Attachment F – Correspondence with Ministry of Natural Resources

Attachment G – Notice of Proposed Change to an Approved Renewable Energy Project

Attachment H - REA Amendment Notification Distribution Contact List

Attachment I – Correspondence with REA Amendment Notification Distribution Contact List

Attachment J – REA Amendment Notification in Public Newspapers

Attachment K – Correspondence with Indigenous Communities

Attachment L – REA Amendment Notification in Indigenous Community Newsletters

1. Introduction

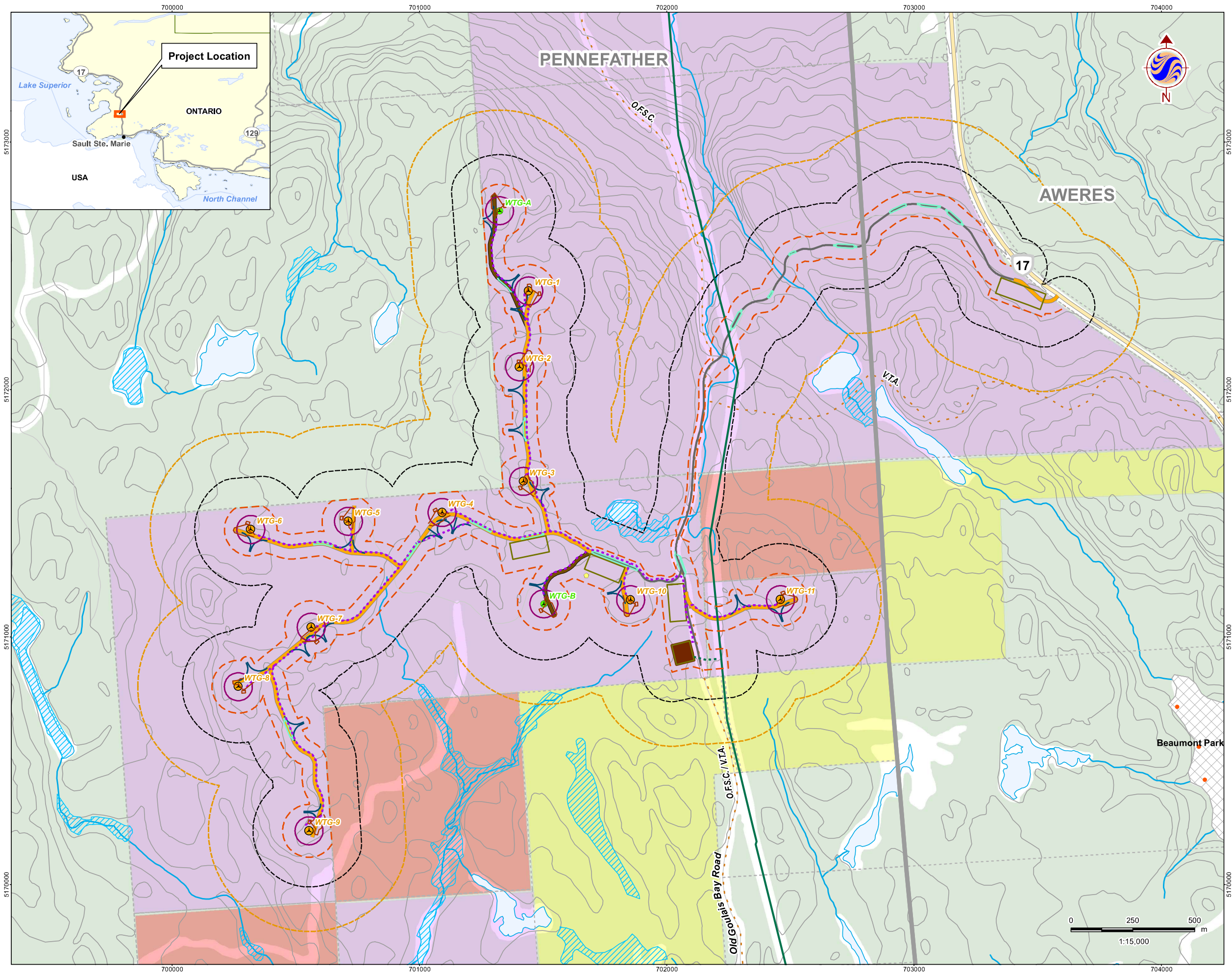
Chi-Wiikwedong LP, by its general partner Chi-Wiikwedong Holdings LP, by its general partner Chi-Wiikwedong GP Inc. (Goulais) owns and operates the Goulais Wind Farm (the Project) with a maximum total name plate capacity of 25 Megawatts (MW) located north of Sault Ste. Marie, Ontario (Figure 1). The Project is classified as a Class 4 Wind Project and was approved by the Ministry of Environment, Conservation and Parks (MECP) under Ontario Regulation 359/09 of the Ontario Environment Protection Act with Renewable Energy Approval (REA) number 3507-9ABJWH dated October 4, 2013, and amended on September 3, 2014.

The Project consists of eleven Siemens Gamesa Renewable Energy (Siemens) SWT-2.3-113 wind turbine generators located in Section 12 Unorganized Township of Pennefather, District of Algoma.

Goulais is proposing to modify the Project to update the maximum rating of each turbine to from 2.3 MW to 2.5 MW. This modification will require an amendment to the REA. The purpose of this document is to summarize proposed changes to the Project's original REA and demonstrate continued compliance with environmental and regulatory standards. This document will provide a description and rationale for the changes proposed to the Project, identify any new environmental effects and mitigations and provide a summary of any necessary changes to the Project information contained in the REA reports.

Table 1: Project Information

Project Name	Goulais Wind Farm
Project Location	Section 12, Unorganized Township of Pennefather, District of Algoma (north of Sault Ste. Marie)
MNRF district	Sault Ste. Marie, Ecoregion district, 5E
Energy Source	Wind
Nameplate Capacity	25 MW
Number of turbines	11
Project Class	Class 4, Wind Project
REA Number	3507-9ABJWH
IESO FIT Contract Identification Number	F-000662-WIN-130-601



W:\active\60960675\drawing\MXD\ProjectDescriptionReport\160960675_Fig1_0_SiteLayout_20121031.mxd
Revised: 2012-10-31 By: pworsell

Legend

- 120m Zone of Investigation
- 300m Zone of Investigation
- Project Components**
 - Primary Turbine Location
 - Alternate Turbine Location
 - Transformer Station
 - Construction Corridor
 - Turbine Blade Sweep
 - Collector Line
 - Interconnect Line
 - MET Tower
 - Temporary Construction Compound/
Central Laydown Area
 - Assembly Area
 - Passing Lane
 - Turn Around Area
- Access Roads**
 - Primary Access Road
 - Secondary Access Road
 - Upgraded Road
- Existing Features**
 - Highway
 - Primary Road
 - Local Road
 - Non-Participating Noise Receptor
 - Ontario Federation of Snowmobile Clubs (OFSC) Trail /
Voyageur Trail Association - Goulais Section Trail (VTA)
 - Contour Line (10 metre intervals)
 - Great Lakes Power Hydro Line
 - Property Line
 - Township
 - Trailer Park
 - NRSI Identified Wetland
 - Watercourse
 - Waterbody
 - Wooded Area
- Property Status**
 - Crown Land
 - Non Participating Private Land
 - Optioned Properties

Notes

- Coordinate System: UTM NAD 83 - Zone 16 (N).
- Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.



Stantec

November 2012
160960675

Client/Project
Sprott Power Corp.
Goulais Wind Project

Figure No.
1.0

Title
Site Layout

1.1 Contact Information

Table 2: Applicant Information

Name of Applicant	Chi-Wiikwedong LP, by its general partner Chi-Wiikwedong Holdings LP, by its general partner Chi-Wiikwedong GP Inc.
Primary Contact	Patrick Leitch, Chief Operating Officer
Mailing Address	Suite 2930, 155 Wellington Street West, Toronto, Ontario M5V 3H1
Phone	416 649 1316
Email	pleitch@capstoneinfra.com

Table 3: Consultant Information

Name of Consultant	Avaanz Ltd.
Primary Contact	Irene Davies
Phone	204-223-9748
Email	Irene.davies@avaanz.ca

2. Proposed Modifications

To support improved operational flexibility, Goulais is proposing the following modifications:

2.1 Project Modifications

Amend the Project description in Schedule A of the REA to describe the maximum rating of each turbine as 2.5 MW (previously 2.3 MW). The maximum total nameplate capacity of the Project will continue to be 25 MW, as this is the maximum output of the transformer substation.

- Siemens will adjust the maximum turbine generating output capacity to 2.5 MW by modifying parameters in the operating controls software.
- No physical changes will be made to the turbines.
- The turbine model will remain unchanged.
- There will be no changes or modifications to any other associated equipment.

2.1.1 Rationale for Project Modifications

The proposed change is intended to enhance the Project's efficiency and reliability. For example, if one of the eleven turbines is out of service for maintenance or repairs, or operating sub-optimally, the modification would mitigate reductions in generation. Siemens has confirmed that the turbines can operate beyond 2.3 MW and has authorized modifying the turbine maximum generating output capacity to 2.5 MW. The total nameplate capacity of the Project will continue to be 25 MW.

2.1.2 Anticipated Environmental Effects

The proposed change will not have any additional effects on natural heritage resources based on the following:

- There is no additional footprint or construction required as part of the modification.
- There will be no changes to blade size, rotor speed and the operational curtailment requirements will be maintained at cut in speeds of 5.5 m/s, or following any other approach as agreed upon by MNR.

The proposed change will result in minor increases in noise levels at one receptor however, noise modelling shows that the Project will continue to comply with MECP noise limits. Based on the noise modelling, the noise will only increase at POR2 from 36 dBA (worst case scenario modelling) to 38 dBA.

The following documents have been prepared by subject matter experts to support these conclusions and are provided as attachments to this Modification Report.

- Goulais Wind Farm REA Amendment – NHA and EEMP Updates Memo. Prepared by NRSI on October 25, 2024. (Attachment A)

- Environmental Noise Impact Assessment – Goulais Wind Farm, Algoma, ON. Prepared by Aercoustics on September 11, 2024. (Attachment B)

2.2 Corporate Name Change

In 2014, an amendment was issued to Renewable Energy Approval 3507-9ABJWH, to update the company name from SP Development Limited Partnership to 2380325 Ontario Inc. operating as Chi-Wiikwedong LP. This update did not require revision of the REA reports. As such, we request to update the name of the Company (as defined in the REA) to reflect changes to the corporate structure.

2.2.1 Rationale for Name Change

The name of the general partner of Chi-Wiikwedong LP is now Chi-Wiikwedong Holdings LP. The general partner of Chi-Wiikwedong Holdings LP is Chi-Wiikwedong GP Inc. formally known as 2380325 Ontario Inc.

Attached are:

- Limited partnership declaration for Chi-Wiikwedong LP (Attachment C)
- Limited partnership declaration for Chi-Wiikwedong Holdings LP (Attachment D)
- Certificate of name change for 2380325 Ontario Inc. (Attachment E)

2.2.2 Anticipated Environmental Effects

There are no anticipated environmental effects as this change is administrative in nature.

3. Updates to REA Reports

Table 4 below documents the edits to the REA Reports resulting from the proposed modifications discussed in Section 2.

Table 4. Updates to the REA Reports

Section / Page in REA Report	REA Report Text	Revised Text (<u>Underlined text</u> represents additions and strikethrough text represents deletions. Comments are italicized)
Project Description Report - <i>The proposed modification described in Section 2 will not result in any change to the project footprint or project activities therefore there are no environmental effects associated with the proposed change.</i>		
Section 1.1, page 1.1	The Project will utilize 11 Siemens S2.3-113 wind turbines (2.3 MW each), with a hub height of 99.5m.	The Project will utilize 11 Siemens S2.3-113 wind turbines (<u>2.52-3</u> MW each), with a hub height of 99.5m.
Section 3.3, page 3.1	The basic components of the Project include 11 Siemens S2.3-113 wind turbine generators (2.3 MW each) for a total maximum installed nameplate capacity of up to 25 MW,	The basic components of the Project include 11 Siemens S2.3-113 wind turbine generators (<u>2.52-3</u> MW each) for a total maximum installed nameplate capacity of up to 25 MW,
Table 3.1, page 3.2, row 2, column 2	2.3	<u>2.52-3</u>
Construction Plan Report – <i>*Note: there are no construction activities required for the proposed modification and, thus, no environmental effects occur because of the proposed change. The updates to the report identified below are for consistency.</i>		
Section 1.1, page 1.1	The Project will utilize 11 Siemens S2.3-113 wind turbines (2.3 MW each), with a hub height of 99.5m.	The Project will utilize 11 Siemens S2.3-113 wind turbines (<u>2.52-3</u> MW each), with a hub height of 99.5m.
Section 2.2, page 2.3	The basic components of the Project include 11 Siemens S2.3-113 (2.3 MW each) wind turbine generators with a total maximum installed nameplate capacity of 25 MW,	The basic components of the Project include 11 Siemens S2.3-113 wind turbine generators (<u>2.52-3</u> MW each) for a total maximum installed nameplate capacity of up to 25 MW,

Section / Page in REA Report	REA Report Text	Revised Text (<u>Underlined text</u> represents additions and strikethrough text represents deletions. Comments are italicized)
Design and Operations Report - <i>The proposed modification described in Section 2 will not result in any change to the project footprint or project activities therefore there are no environmental effects associated with the proposed change.</i>		
Section 1.1, page 1.1	The Project will utilize 11 Siemens S2.3-113 wind turbines (2.3 MW each), with a hub height of 99.5m.	The Project will utilize 11 Siemens S2.3-113 wind turbines (<u>2.52-3</u> MW each), with a hub height of 99.5m.
Section 3.1, page 3.1	The basic components of the Project include 11 Siemens S2.3-113 (2.3 MW each) wind turbine generators with a total maximum installed nameplate capacity of 25 MW,	The basic components of the Project include 11 Siemens S2.3-113 wind turbine generators (<u>2.52-3</u> MW each) for a total maximum installed nameplate capacity of up to 25 MW,
Table 3.1, page 3.1, row 2, column 2	2.3	<u>2.52-3</u>
Decommissioning Plan Report - <i>The proposed modification described in Section 2 will not result in any change to the project footprint or project activities therefore there are no changes to the environmental effects or proposed mitigation measures outlined in the original report.</i>		
Section 1.1, page 1.1	The Project will utilize 11 Siemens S2.3-113 wind turbines (2.3 MW each), with a hub height of 99.5m.	The Project will utilize 11 Siemens S2.3-113 wind turbines (<u>2.52-3</u> MW each), with a hub height of 99.5m.
Wind Turbine Specifications Report		
Section 1.1, page 1.1	The Project will utilize 11 Siemens S2.3-113 wind turbines (2.3 MW each), with a hub height of 99.5m.	The Project will utilize 11 Siemens S2.3-113 wind turbines (<u>2.52-3</u> MW each), with a hub height of 99.5m.
Section 2.1, page 2.1	The Project consists of 11 wind turbine generators (2.3 MW each) with a total maximum nameplate capacity of 25 MW.	The Project consists of 11 wind turbine generators (<u>2.52-3</u> MW each) with a total maximum nameplate capacity of 25 MW.
Table 2.1, page 2.1, row 2, column 2	2.3	<u>2.52-3</u>
Heritage Report – <i>The proposed modification described in Section 2 will not result in any change to the project footprint or project activities therefore there are no environmental effects associated with the proposed change.</i>		

Section / Page in REA Report	REA Report Text	Revised Text (<u>Underlined text</u> represents additions and strikethrough text represents deletions. Comments are italicized)
<i>Since the Project only required a Stage 1 Archaeological Assessment, the Ministry of Tourism, Culture and Sport was not engaged for this modification.</i>		
Section 1.2, page 3	The Project will utilize 11 Siemens S2.3-113 wind turbines (2.3 MW each), with a hub height of 99.5m.	The Project will utilize 11 Siemens S2.3-113 wind turbines (<u>2.52</u> .3 MW each), with a hub height of 99.5m.
Stage 1 Archaeology Assessment – No updates required.		
Natural Heritage Assessment - <i>The proposed modification described in Section 2 will not result in any change to the project footprint or project activities therefore there are no environmental effects associated with the proposed change. A memo was prepared by NRSI to support the submission of this modification report. The memo confirms that there are no anticipated environmental effects based on the proposed changes to the project and therefore, no updates to the NHA are required. The memo is provided as Attachment A.</i>		
<i>The Project modifications were submitted to the Ministry of Natural Resources for review and they confirmed that no updates to the NHA were required. A copy of this correspondence is provided as Attachment F.</i>		
NHA Site Investigation Report – No updates required.		
NHA Records Review – No updates required.		
NHA Evaluation of Significance – No updates required.		
Environmental Impact Study – No updates required.		
Environmental Effects Monitoring Plan – No updates required.		
NHA Confirmation Letter and Addendum (November 2012)		
Section 1.0, page 1 -	The Project will utilize 11 Siemens S2.3-113 wind turbines (2.3 MW each), with a hub height of 99.5m.	The Project will utilize 11 Siemens S2.3-113 wind turbines (<u>2.52</u> .3 MW each), with a hub height of 99.5m.
Water Body Assessment – <i>The proposed modification described in Section 2 will not result in any change to the project footprint or project activities therefore there are no environmental effects associated with the proposed change.</i>		
Water Body Environmental Impact Study Report		
Section 1.0, page 1	The Project will utilize 11 Siemens S2.3-113 wind turbines (2.3 MW each), with a hub height of 99.5m.	The Project will utilize 11 Siemens S2.3-113 wind turbines (<u>2.52</u> .3 MW each), with a hub height of 99.5m.
Water Body Records Review Report		
Section 1.0, page 1	The Project will utilize 11 Siemens S2.3-113 wind	The Project will utilize 11 Siemens S2.3-113 wind turbines (<u>2.52</u> .3 MW each), with a hub height of

Section / Page in REA Report	REA Report Text	Revised Text (<u>Underlined text</u> represents additions and strikethrough text represents deletions. Comments are italicized)
	turbines (2.3 MW each), with a hub height of 99.5m.	99.5m.
Water Body Site Investigation Report		
Section 1.0, page 1	The Project will utilize 11 Siemens S2.3-113 wind turbines (2.3 MW each), with a hub height of 99.5m.	The Project will utilize 11 Siemens S2.3-113 wind turbines (<u>2.52-3</u> MW each), with a hub height of 99.5m.
Noise Impact Assessment – <i>An Environmental Noise Impact Assessment Report was prepared by Aercoustics Engineering Limited that describes how noise receptors may be affected by the proposed modifications described in Section 2. The report is provided as Attachment B and will be added as an addendum to the Noise Impact Assessment Report. The addendum will be inserted ahead of the original ENIA report and be made available on the Project website (https://capstoneinfrastructure.com/our-businesses/project-documents?project=Goulais).</i>		
Section 1.2, page 1	The proposed wind farm will consist of eleven (11) 2.3 MW Siemens turbines.	The proposed wind farm will consist of eleven (11) <u>2.52-3</u> MW Siemens turbines.

Note: where it indicates no update required to a report, that means that the original 2.3 MW was not referenced in that report.

4. Indigenous and Public Engagement

4.1 Public Engagement

Per Section 15 of O.Reg 359/09, Goulais prepared and distributed a Notice of Proposed Change to an Approved Renewable Energy Project. The Notice is provided as Attachment G.

Goulais identified a Project contact list (Attachment H) that received a notification of the proposed change to the Project's REA via email on November 3, 2025. Correspondence with all contacts is included in Attachment I.

The notification was also shared with local property owners within 550 m of the project site and all owners of land abutting a parcel of land on which the project location is situated via email on October 28, 2025 and via Canada Post (mailed on October 28, 2025).

The notification was also published in two local newspapers with distribution in the Sault Ste. Marie area, namely Soo Today and Sault This Week. Soo Today published the notification on November 3, 2025, via online publication only (as they are an online only news source). Sault This Week published the notification on November 6, 2025 via print and online distribution. A copy of each newspaper publication is available in Attachment J.

4.2 Indigenous Community Engagement

On August 15, 2025, MECP provided email guidance on the Indigenous communities to be included in the notification distribution:

- Batchewana First Nation (BFN).
- Garden River First Nation (GRFN);
- Michipicoten First Nation (MFN); and
- Métis Nation of Ontario (MNO) Historical Sault Ste. Marie Métis Council.

The Indigenous communities were sent the notification via email on November 3, 2025. Copies of the correspondence is provided in Attachment K.

In addition to the email notification, each Indigenous community was contacted to confirm whether they had a community newsletter in which to publish the notification. The Garden River First Nation Community Newsletter and Batchewana First Nation Newsletter all confirmed availability of publishing the notification in their November 2025 issues of their community newsletters. The notification was published in the November issues of the community newsletters and copies are provided in Attachment L.

Michipicoten First Nation noted that they did not think the notification was relevant to be included in their newsletter since it is only circulated to on-reserve members but offered to post printed copies of the notice in community buildings.

MNO does not have a community newsletter; however, they do have a newsletter for its Sault Ste. Marie Métis Heritage Centre who confirmed that they do not publish external notifications unless it relates to the Heritage Centre or news and events regarding the Métis community directly.

4.3 Summary of Engagement

No feedback from the public or contact list (Attachment H) has been received to date.

Garden River First Nation acknowledged receipt of the correspondence. No feedback on the proposed changes, including the Modifications Document, were provided. However, their response did outline their project development consultation framework and requested a pre-consultation meeting to discuss the project concept. Goulais responded to the email acknowledging their email and noted that the facility is not conceptual but currently under operations. Both Goulais and Batchewana First Nation conducted additional follow-up and offered to meet with the nation to discuss the proposed amendment. To date, no response has been received.

5. Summary and Conclusion

The proposed modifications to the Goulais Wind Farm are administrative in nature and limited to a software-based adjustment increasing the maximum output of each turbine from 2.3 MW to 2.5 MW, while maintaining the Project's overall nameplate capacity at 25 MW. No physical changes to turbines or supporting infrastructure are required, and the turbine model, blade size, hub height, and rotor speed all remain unchanged. This modification is intended solely to enhance operational flexibility and efficiency, particularly under conditions where one or more turbines may be offline or underperforming.

To support the proposed change, a comprehensive review by qualified experts—including specialist reviews for natural heritage and noise—confirms that the proposed changes will not introduce any new or increased impacts on the environment or surrounding community. There is no change to the project footprint, no additional construction, and all existing mitigation measures remain valid and in place. In addition, the corporate name change reflects an internal administrative update and has no bearing on the operation or environmental performance of the Project. Taken together, the modifications outlined in this report are administrative in nature and consistent with the intent and requirements of the original Renewable Energy Approval.

Attachment A - Goulais Wind Farm REA Amendment – NHA and EEMP Updates Memo. Prepared by NRSI on October 25, 2024.



Memo

1087C

To: CHI-WIIKWEDONG LP C/O Naithen Joseph, Site manager

From: Dorian Pomezanski

Date: October 25, 2024

Re: Goulais Wind Farm

REA Amendment – NHA and EEMP Updates

Natural Resource Solutions Inc. (NRSI) has been retained by Capstone Infrastructure Corporate (Capstone) on behalf of CHI-WIIKWEDONG LP to advise on any potential changes to the Natural Heritage Assessment (NHA) or Environmental Effects Monitoring Plan (EEMP), at the Goulais Wind Farm (Goulais WF or Project) in support of a Renewal Energy Approval amendment submission to adjust certain technical components of turbine operation. The Project is located near the City of Sault Ste. Marie, in the Townships of Pennefather and Aweres, Ontario, and consists of 11 turbines with a generating capacity of 25MW.

The original Renewable Energy Approval (REA; No. 3507-9ABJWH) for the Goulais Wind Farm was issued on October 4th, 2013, which included approval of the NHA and EEMP, which were prepared by NRSI. The REA also included the individual turbine outputs and the maximum wind farm capacity. Capstone proposes to modify the output capacity of all eleven wind turbines at the Facility to 2.5MW from 2.3MW, through a software parameter change authorized by the original equipment manufacturer Siemens Gamesa Renewable Energy (SGRE) while maintaining the maximum total nameplate capacity at 25MW. NRSI understands that there will be no changes to blade size or rotor speeds and that the operational curtailment requirements will be maintained at cut-in speeds of 5.5 m/s, or following any other approach as agreed upon with the Ministry of Natural Resources (MNR).

Based on technical information provided by Capstone and the turbine manufacturer (Siemens), and assuming no changes to the size of the turbine or rotor sweep area and no changes to the speed at which the blades will typically spin at different wind speeds, it is NRSI's professional assessment that no changes to the potential for interaction with birds and bats will occur as a result of the technical changes proposed by Capstone at the Goulais Wind Farm.

Therefore, there are no updates required to the NHA or EEMP for this technical change to the REA for the Goulais WF.

Should you have any questions or comments regarding this memo, please do not hesitate to contact the undersigned.

Sincerely,

Dorian Pomezanski
Terrestrial and Wetland Biologist
Natural Resource Solutions Inc.

Attachment B - Environmental Noise Impact Assessment – Goulais Wind Farm, Algoma, ON. Prepared by Aercoustics on September 11, 2024.

ENVIRONMENTAL NOISE IMPACT ASSESSMENT

Project: 22357.02

Goulais Wind Farm

Algoma, Ontario

Prepared for:

Capstone Infrastructure Corporation
155 Wellington St. W. Suite 2930
Toronto, ON M5V 3H1

Prepared by:



Hillary Fung, B.A.Sc.



Duncan Halstead, B.A.Sc., P.Eng.

July 16, 2025

Revision History

Version	Description	Author	Reviewed	Date
- -	Initial Report	HF	DH	July 16, 2025

Important Notice and Disclaimer

This report was prepared by Aercoustics Engineering Limited (Aercoustics) solely for the client identified above and is to be used exclusively for the purposes set out in the report. The material in this report reflects the judgment of Aercoustics based on information available to them at the time of preparation. Unless manifestly incorrect, Aercoustics assumes information provided by others is accurate. Changed conditions or information occurring or becoming known after the date of this report could affect the results and conclusions presented. Unless otherwise required by law or regulation, this report shall not be shared with any Third Party without the express written consent of Aercoustics. Aercoustics accepts no responsibility for damages, if any, suffered by any Third Party which makes use of the results and conclusions presented in this report.

Executive Summary

Aeroustics Engineering Limited was retained by Capstone Infrastructure Corporation, on behalf of Chi-Wiikwedong Holdings LP, to conduct an acoustic assessment of a proposed modification of the Goulais Wind Project (“Facility”) to modify the nominal power output maximum of the existing wind turbines from 2.3 MW to 2.5 MW. This assessment is provided as supporting information for an application to amend the Facility’s Renewable Energy Approval (REA or “Approval”) #3507-9ABJWH to allow for the operation of this modification on the Facility turbines.

It is understood that the site output limitation set by the Independent Electricity System Operator (IESO) will remain unchanged at 25 MW and, consequently, the turbines would only be capable of generating 2.5 MW in the event that one or more other turbines in the Facility are offline or otherwise not producing optimally.

The original Facility REA was granted based on an Environmental Noise Impact Assessment (ENIA), dated April 15, 2013, prepared by Novus Environmental.

This assessment follows the guidance of the Ontario Ministry of the Environment, Conservation and Parks (MECP) document Noise Guidelines for Wind Farms (“Noise Guidelines”). The noise impact from the Facility’s wind turbine array and transformers, as well as neighbouring wind turbines was evaluated for the nearest points of reception per the requirements outlined in the Noise Guidelines. Sound levels were predicted based on a noise emission specification for the modified 2.5 MW turbines provided by the manufacturer. This assessment is conducted despite the nearest receptors to the Facility being located greater than 1,500 m from the nearest wind turbine or transformer.

The analysis shows that the noise impact from the Facility with the proposed modifications does not exceed the applicable noise limits as defined by the MECP and outlined in Section C – Noise Performance Limits of the Goulais REA approval. The acoustic impacts from the Goulais facility are at least 10 dB below the limits at the closest receptors, with the peak cumulative noise impact of 38.2 dBA at R02 influenced primarily by the nearby – and 3rd party – Prince Wind farm.

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Appendix A

Site Maps

Appendix B

Wind Turbine Noise Specification

Appendix C

Receptor Tables

Appendix D

Sample Calculations

Appendix E

Zoning

1 Introduction

Aercoustics Engineering Limited (“Aercoustics”) was retained by Capstone Infrastructure Corporation, on behalf of Chi-Wiikwedong Holdings LP, to prepare an Environmental Noise Impact Assessment (ENIA) of the Goulais Wind Farm (“Facility”), as required by the Ministry of Environment, Conservation, and Parks (MECP) to support an application for an amendment to the Facility’s Renewable Energy Approval (REA or “Approval”). The purpose of the amendment application is to allow the operation of the Facility wind turbines with their modified capacity of 2.5 MW. It is understood that the site output limitation set by the Independent Electricity System Operator (IESO) will remain at 25 MW and, consequently, the turbines would only be capable of generating 2.5 MW in the event that one or more other turbines in the Facility are offline or otherwise not producing optimally.

The Facility currently operates under REA #3507-9ABJWH. The REA was granted based on an ENIA dated April 15, 2013, prepared by Novus Environmental (the “Original Noise Report”).

This study was conducted per the requirements outlined in the MECP publication entitled Noise Guidelines for Wind Farms, dated May 2016 (“Noise Guidelines”).

It is noted that the distance requirement stipulated in Section 6.4.1 of the Noise Guidelines is not met for the Facility as the closest noise sensitive receptors are more than 1,500 m away from any wind turbine. As such, a detailed noise assessment is not strictly required; however, this assessment report is provided nevertheless to demonstrate compliance of the Facility with the applicable sound level limits.

2 Facility Description

2.1 Goulais Wind Farm

Goulais Wind Farm is situated to the northwest of the intersection of Highway 17 North and Highway 556 in the District of Algoma, Ontario. The closest community in the vicinity of the Facility is the Township of Heyden, and individual residences are also present in the area surrounding the Facility.

The Facility is comprised of 11 Siemens SWT-2.3-113 turbines, as well as a substation having one main power transformer. Each wind turbine has a hub height of 99.5 m.

The wind turbine modification comprises a software modification for all 11 turbines, enabling them to increase their maximum power capacity from 2.3 MW to 2.5 MW in the case of a deficit in production from one or more of the other turbines. For example, a turbine being down due to fault would allow the other turbines to generate above 2.3 MW, up to 2.5 MW, to make up the deficit. Due to the IESO limit on site power output mentioned previously, only 10 turbines would be able to operate at 2.5 MW at any given time.

Nevertheless, the site was conservatively assessed with all 11 operating simultaneously at 2.5 MW.

The transformer substation is located between T10 and T11, slightly to the south. No changes will take place at the substation.

2.2 Adjacent Wind Facilities

The Facility is located adjacent to the Prince I and Prince II wind projects. Neither of these adjacent wind farms are owned or operated by Capstone Infrastructure.

- Prince I: 99 MW, 66 GE 1.5sle Wind Turbines
- Prince II: 90 MW, 60 GE 1.5sle Wind Turbines

Information regarding the Prince wind farms was taken from the Original Noise Report. The latest available permit for the Prince I & II (CofA #0060-6MPPLF) is dated prior to the date of the Original Noise Report and, as such, no changes to these adjacent wind farms are expected.

3 Noise Source Summary

The noise sources associated with this facility include substation transformers and wind turbines.

3.1 Transformer Source

3.1.1 Goulais Transformer

After the proposed modifications, the substation transformer will operate at the same rated capacity of 25 MVA. Sound levels for the transformer were recalculated based on the latest available NEMA standard¹ and as-built drawings with detailed unit dimensions. Calculations are based on typical NEMA ratings for an “ONAF” type fan-cooled unit, and a +5 dB tonal penalty is applied to the transformer sound levels.

Table 1: Transformer Sound Power Data

1/1-Octave Band Sound Power Level (dB)									Total (dBA)
31.5	63	125	250	500	1000	2000	4000	8000	
97	103	105	100	100	94	89	84	77	101

Note – Octave band and overall sound power levels do not include 5 dB tonal penalty

¹ NEMA TR 1-2013 (R2019)

3.1.2 Prince I & II Transformers

The substation transformers for the Prince I & II wind farm were not considered in the Original Noise Report. Aeroustics reviewed the latest available permit in which the locations of the transformers are identified (CofA #3721-7YUR5Z, dated December 21, 2009) and confirmed that the two transformers are located greater than 5,000 m from any point of reception to the Goulais Wind Farm. As such, the Prince I & II substation transformers are not considered in this assessment.

3.2 Wind Turbine Sources

3.2.1 Goulais Wind Turbines

Acoustic emissions data were obtained from manufacturer's specification datasheets, copies of which are provided in Appendix B. Noise emissions are dependent on wind speed and, per the requirements defined in the Noise Guidelines, the wind speed corresponding to the worst-case receptor noise impact was utilised for modelling.

Table 2: Goulais Turbine Sound Power Data

Make and Model:		SWT-2.5-113						
Electrical Rating:		2500 kW						
Hub Height (m):		99.5 m						
	Octave Band Sound Power Level (dBA)							
	Manufacturer's Emission Levels					(A) Manufacturer's Worst Case Spectrum (dBA)	(B) Positive Overall Uncertainty	(A+B) Maximum Sound Power Level (dBA)
Frequency (Hz)	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s			
63	85.6	86.1	84.2	84.2	84.2	86.1	+2 dB	88.1
125	91.4	91.9	89.2	89.2	89.2	91.9		93.9
250	97	97.5	98.4	98.4	98.4	97.5		99.5
500	99.1	99.6	99.3	99.3	99.3	99.6		101.6
1000	99.9	100.3	98.9	98.9	98.9	100.3		102.3
2000	95.5	96.0	97.9	97.9	97.9	96.0		98.0
4000	85.1	85.8	90.8	90.8	90.8	85.8		87.8
8000	67.6	68.3	74.4	74.4	74.4	68.3		70.3
Total (dBA)	104.6	105.0	105.0	105.0	105.0	105.0		107.0

3.2.2 Prince I & II Wind Turbines

Sound emission levels for the Prince I & II Wind Power Projects were taken from the Original Noise Report. From that information, the turbines located at the Prince I & II wind farms are GE model 1.5sle wind turbines with a hub height of 80 m. Turbine characteristics are summarized below in Table 3.

Table 3: Prince I & II Turbine Sound Power Data

Make and Model:	GE Wind 1.5sle							
Electrical Rating:	1500 kW							
Hub Height (m):	80 m							
	Octave Band Sound Power Level (dB)							
	Manufacturer's Emission Levels					(A) Manufacturer's Worst Case Spectrum (dBA)	(B) Positive Overall Uncertainty	(A+B) Maximum Sound Power Level (dBA)
Frequency (Hz)	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s			
63	77.7	80.9	83.8	85.1	85.1	85.1	+2 dB	87.1
125	86.5	89.7	92.6	93.9	93.9	93.9		95.9
250	89.7	92.9	95.8	97.1	97.1	97.1		99.1
500	91.1	94.3	97.2	98.5	98.5	98.5		100.5
1000	90.5	93.7	96.6	97.9	97.9	97.9		99.9
2000	87.1	90.3	93.2	94.5	94.5	94.5		96.5
4000	79.9	83.1	86.0	87.3	87.3	87.3		89.3
8000	70.7	73.9	76.8	78.1	78.1	78.1		80.1
Total (dBA)	96.6	99.8	102.7	104.0	104.0	104.0	-	106.0

4 Points of Reception

As part of the original REA application, the area surrounding the Facility was surveyed to identify all noise sensitive receptors. The list of original receptors can be found in the initial report from April 2013. In total, 4 receptors were examined, representing the receptors with the highest predicted noise impacts.

As part of the current assessment, a new survey was conducted based on aerial imagery to identify any new receptors. Based on the results of that survey, one additional new receptor was identified. This receptor is located in a cluster of receptors already represented by POR1.

In total, the current study considers 4 receptors. The complete list of receptors can be found in Appendix C.

4.1 Vacant Lots

A detailed assessment of the potential for vacant lot receptors was conducted as part of the Original Noise Report. Aeroustics' review found no changes to the zoning or lot parcels in the area within 1,500 m surrounding the facility wind turbines and, as such, the zoning review from the Original Noise Report is provided again here.

Surrounding areas are comprised entirely of crown land, optioned land, and non-participating vacant land. All the lots owned by non-participating landowners are inaccessible, as they do not front onto roadways. Thus, there are no vacant lot receptors for this project.

There are five parcels of land owned by non-participating landowners which exist within 550 m of the proposed turbines. These parcels are labelled 1 through 4 on Figure 3. Parcel 1 comprises the lands owned / leased by the Prince Wind Project. Parcels 2 through 5 are owned by other private landowners.

None of the properties in question have access to or frontage on to Highway 17 or any other existing roadways. All the parcels are "landlocked" and surrounded by crown lands, project properties, or other parcels. These parcels therefore would be considered as "inaccessible" for the purposes of Section 1 (4) 1 of Ontario Regulation 359/09. Therefore, for the purposes of noise impact assessment, no vacant lot receptors are required on these parcels. Parcel locations are provided in Appendix E.

4.2 Receptor Concordance Table

A "Concordance Table" rationalizes the identification of receptors and VLSRs between the subject project and any adjacent projects. As shown in Figure 1, there are no noise receptors within 2,000 m of the Goulais project and the existing Prince I and Prince II projects. As such, there are no overlapping points of reception, and a Concordance Table is not required.

5 Noise Criteria

Following the guidance of Section 6.3.6 of the Noise Guidelines, all receptors have been assessed as Class 3 receptors. The MECP sound level limits by 10-meter wind speed are shown in Table 4. Details of the assessment methodology are summarized in Section 6 of this report.

Table 4: MECP Sound Level Limits by 10-meter wind speed – Class 3

Wind Speed (m/s)	≤ 6 m/s	7 m/s	8 m/s	9 m/s	≥ 10 m/s
Wind Turbine Sound Level Limit (dBA)	40 dBA	43 dBA	45 dBA	49 dBA	51 dBA

6 Noise Impact Assessment

The noise impact calculations were performed using DataKustik's CadnaA environmental noise prediction software. The calculations are based on established prediction methods including the standard ISO 9613-2: "Acoustics – Attenuation of sound during propagation outdoors".

Appendix D contains Point of Reception (POR) tables, sample stationary source calculations, and sample sound power calculations.

The predicted worst-case hourly sound level at each affected point of noise reception from stationary noise sources is presented in the Acoustic Assessment Summary Table, based on the template provided by the MECP, located in Appendix A. Figure 4 includes an illustration of the noise impact contours at a height of 4.5 m for the existing equipment.

Based on the noise predictions, the facility is predicted to be in compliance with the MECP sound level limits.

6.1 Distance Requirement

Section 6.4.1 of the Noise Guidelines stipulate a minimum distance threshold of 1,500 m from any receptor to any wind turbine. If this threshold is met, then a detailed noise study is required. None of the identified points of reception fall within this 1,500 m radius from any facility wind turbines.

6.2 Transition Rules

There are no identified points of reception located closer than 1,500 m to any wind turbine or substation from the Goulais or adjacent Prince I and II facilities. As such, the transition clauses outlined in Section 3.1 of the Noise Guidelines are technically satisfied, as there can be no increases in sound level for receptors within 1,500 m if there are no receptors existing within 1,500 m. Parameters from the noise model in the Original Noise Report have been preserved with the exception of the ground factor and the positive uncertainty adjustment, which have been updated to reflect the current guidelines without transition rules.

7 Conclusion

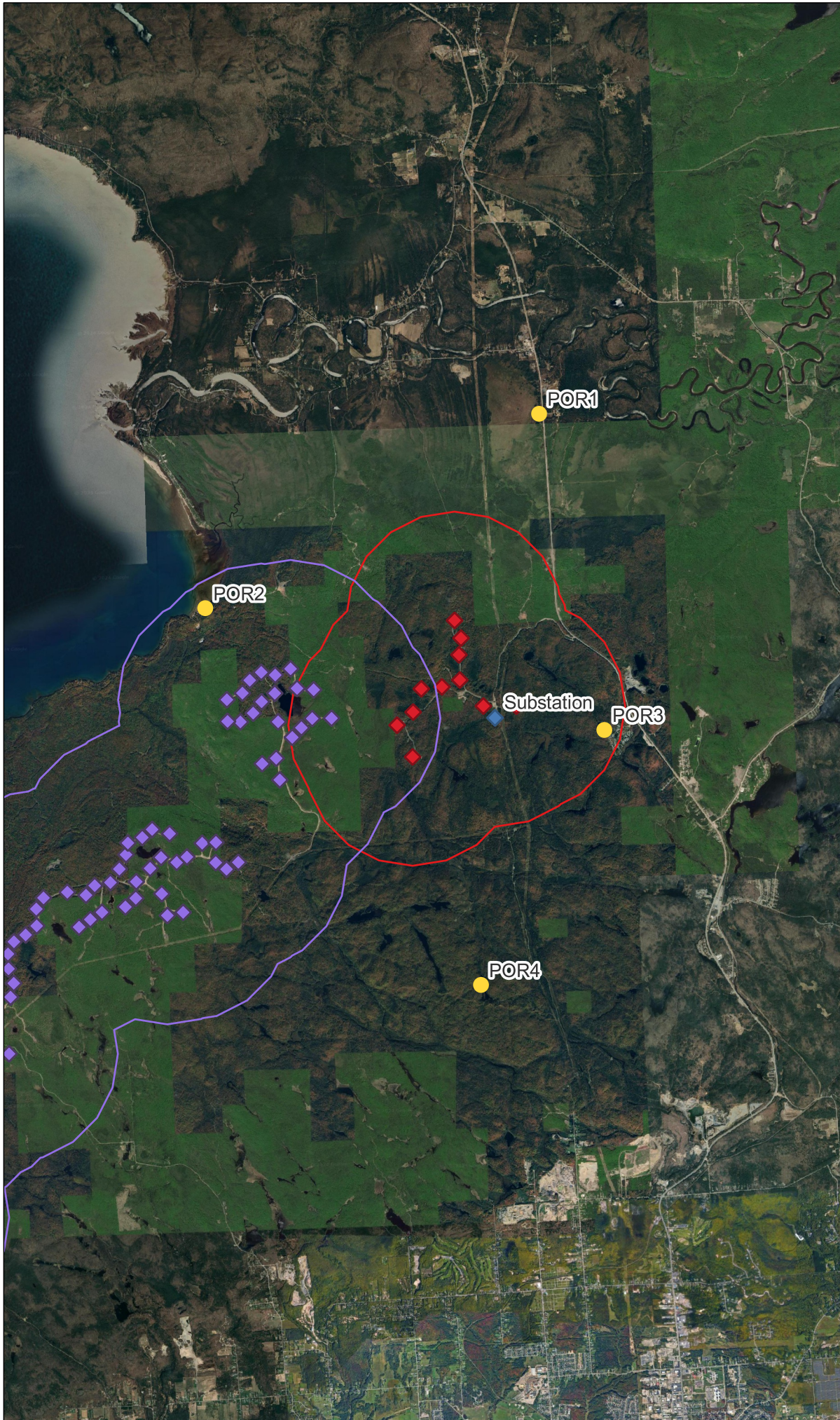
Aeroustics Engineering Limited was retained by Capstone Infrastructure Corporation to prepare an Environmental Noise Impact Assessment of the Goulais Wind Farm, as required by the MECP to support an application for an amendment to the Facility's REA to allow for the uprating of the wind turbines from 2.3 MW to 2.5 MW.

It was determined that the combined sound level resulting from sound discharged from the facility and adjacent facilities at each affected point of noise reception, as determined using an acoustic assessment, is lower than the applicable sound level limit set out by the

MECP and outlined in Section C – Noise Performance Limits of the Goulais REA approval. The Facility is therefore in compliance with the MECP sound level limits at all receptors with the proposed changes to the wind turbines.

Appendix A

Site Maps



Legend

- Points of Reception
- Goulais Substation
- Goulais Turbines
- Prince Turbines
- Goulais 2000m setback
- Prince 2000m setback



0 1 2 3 km



Project ID: 22357.02

Scale: As Indicated

Drawn by: HF

Reviewed by: DH

Date: June 2024

Revision: 1

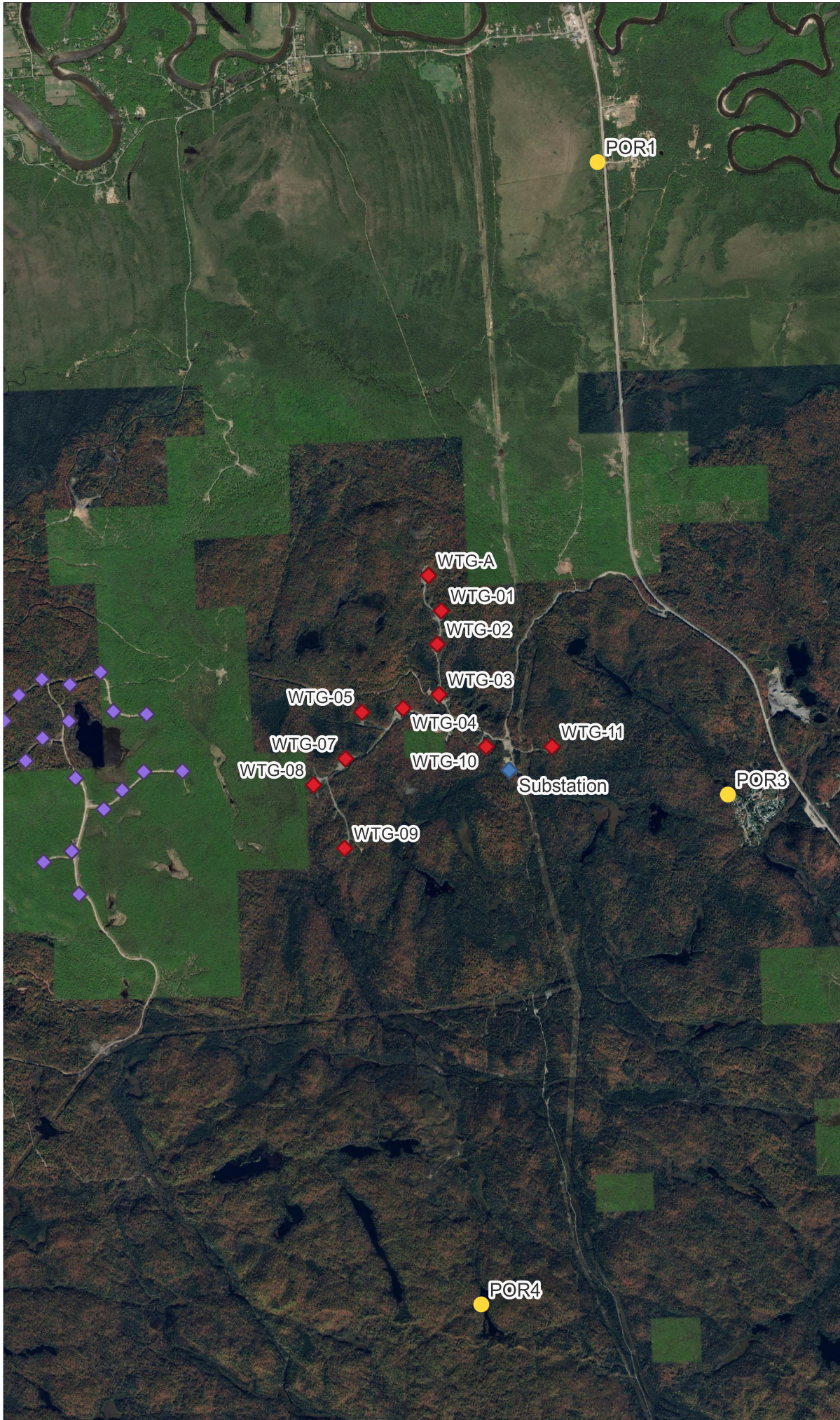
Project Name

Goulais Wind Farm

Figure Title

Site Location

Figure 1



Legend

- Points of Reception
- Goulais Substation
- Goulais Turbines
- Prince Turbines



0 750 1,500 m



Project ID: 22357.02

Scale: As Indicated
Drawn by: HF
Reveiwed by: DH
Date: June 2024
Revision: 1

Project Name

Goulais Wind Farm

Figure Title

Turbine Layout

Figure 2

Source Location

ID	UTM Zone 16 Easting	UTM Zone 16 Northing
Goulais Wind Farm		
WTG-01	701442	5172399
WTG-02	701405	5172092
WTG-03	701421	5171629
WTG-04	701092	5171503
WTG-05	700713	5171467
WTG-06	700318	5171434
WTG-07	700562	5171040
WTG-08	700268	5170799
WTG-09	700553	5170216
WTG-10	701854	5171151
WTG-11	702460	5171151
WTG-A	701324	5172723
WTG-B	701503	5171134
Substation	702065	5170935
Prince I & II Wind Farm		
PRN-TRB-KG-001	685561	5158519
PRN-TRB-KG-002	685827	5158639
PRN-TRB-KG-003	685724	5158912
PRN-TRB-KG-004	685185	5158808
PRN-TRB-KG-005	685176	5159057
PRN-TRB-KG-006	685098	5159330
PRN-TRB-KG-007	685522	5159163
PRN-TRB-KG-008	685527	5159397
PRN-TRB-KG-009	685189	5159593
PRN-TRB-KG-010	685295	5159835
PRN-TRB-KG-011	685476	5160068
PRN-TRB-KG-012	685742	5160250
PRN-TRB-KG-013	686051	5160078
PRN-TRB-KG-014	685967	5159839
PRN-TRB-KG-015	685751	5159630
PRN-TRB-KG-016	685929	5160641
PRN-TRB-KG-017	686417	5160696
PRN-TRB-KG-018	686579	5160863
PRN-TRB-KG-019	686791	5161088
PRN-TRB-KG-020	686433	5161127
PRN-TRB-KG-021	685899	5161030
PRN-TRB-KG-022	685531	5161248
PRN-TRB-KG-023	685755	5161381

Source Location

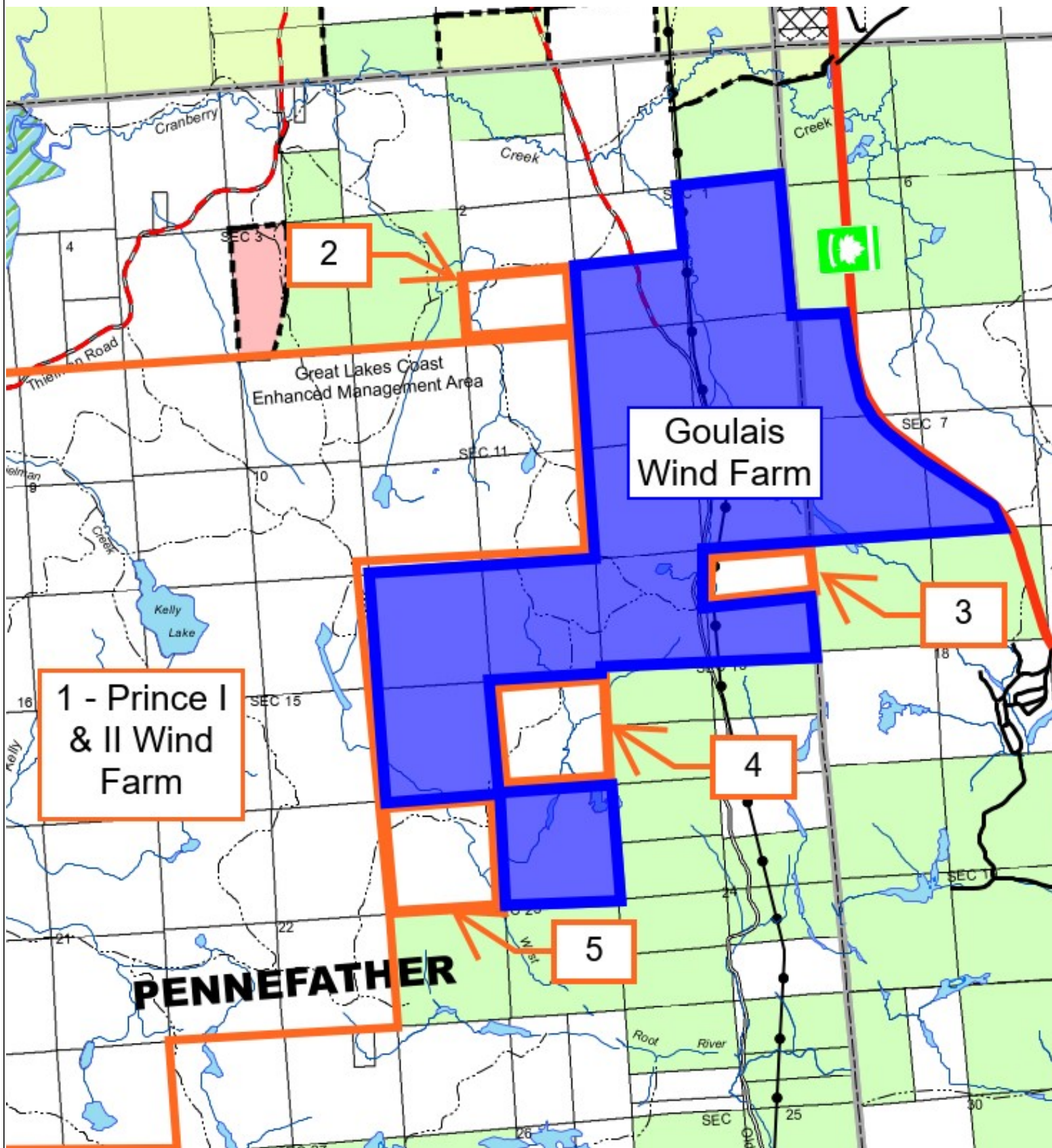
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PRN-TRB-KG-024	686056	5161374
PRN-TRB-KG-025	686337	5161484
PRN-TRB-KG-026	686694	5161392
PRN-TRB-KG-027	686923	5161650
PRN-TRB-KG-028	687125	5161771
PRN-TRB-KG-029	687510	5161910
PRN-TRB-KG-030	687892	5161859
PRN-TRB-KG-031	688149	5161932
PRN-TRB-KG-032	688198	5161655
PRN-TRB-KG-033	688101	5161064
PRN-TRB-KG-034	688254	5161351
PRN-TRB-KG-035	688479	5161606
PRN-TRB-KG-036	688606	5161870
PRN-TRB-KG-037	688870	5161947
PRN-TRB-KG-038	689268	5162449
PRN-TRB-KG-039	689047	5162294
PRN-TRB-KG-040	689120	5161990
PRN-TRB-KG-041	689086	5161503
PRN-TRB-KG-042	689413	5161341
PRN-TRB-KG-043	689518	5161984
PRN-TRB-KG-044	689881	5161990
PRN-TRB-KG-045	691137	5161756
PRN-TRB-KG-046	691059	5162019
PRN-TRB-KG-047	690608	5162039
PRN-TRB-KG-048	690698	5162282
PRN-TRB-KG-049	690731	5162812
PRN-TRB-KG-050	691046	5163015
PRN-TRB-KG-051	690727	5163327
PRN-TRB-KG-052	691271	5163429
PRN-TRB-KG-053	691416	5163653
PRN-TRB-KG-054	690629	5164284
PRN-TRB-KG-055	690851	5164578
PRN-TRB-KG-056	690938	5164144
PRN-TRB-KG-057	691247	5163944
PRN-TRB-KG-058	691475	5164159
PRN-TRB-KG-059	691610	5164406
PRN-TRB-KG-060	691913	5163943
PRN-TRB-KG-061	692043	5164448
PRN-TRB-KG-062	692372	5164305

Source Location

ID	UTM Zone 16 Easting	UTM Zone 16 Northing
PRN-TRB-KG-063	692189	5165058
PRN-TRB-KG-064	692458	5164703
PRN-TRB-KG-065	692718	5165117
PRN-TRB-KG-066	693135	5164760
PRN-TRB-MJ-067	692979	5165351
PRN-TRB-MJ-068	693008	5165594
PRN-TRB-MJ-069	693162	5165804
PRN-TRB-MJ-070	693221	5166057
PRN-TRB-MJ-071	693125	5166323
PRN-TRB-MJ-072	693115	5166596
PRN-TRB-MJ-073	693225	5166820
PRN-TRB-MJ-074	693440	5166945
PRN-TRB-MJ-075	693643	5167111
PRN-TRB-MJ-076	693636	5167421
PRN-TRB-MJ-077	693768	5167626
PRN-TRB-MJ-078	694206	5167730
PRN-TRB-MJ-079	694549	5167675
PRN-TRB-MJ-080	694709	5167851
PRN-TRB-MJ-081	694998	5167908
PRN-TRB-MJ-082	694843	5167361
PRN-TRB-MJ-083	694629	5167228
PRN-TRB-MJ-084	694422	5167089
PRN-TRB-MJ-085	695464	5167619
PRN-TRB-MJ-086	695273	5167460
PRN-TRB-MJ-087	695474	5167923
PRN-TRB-MJ-088	695941	5167701
PRN-TRB-MJ-089	696045	5167303
PRN-TRB-MJ-090	696335	5167359
PRN-TRB-MJ-091	695162	5168156
PRN-TRB-MJ-092	695285	5168420
PRN-TRB-MJ-093	695320	5168635
PRN-TRB-MJ-094	695584	5168736
PRN-TRB-MJ-095	695765	5168883
PRN-TRB-MJ-096	696086	5168806
PRN-TRB-MJ-097	695728	5168169
PRN-TRB-MJ-098	695929	5168368
PRN-TRB-MJ-099	696217	5168278
PRN-TRB-MJ-100	696405	5168378
PRN-TRB-MJ-101	696685	5168629

Source Location

ID	UTM Zone 16 Easting	UTM Zone 16 Northing
PRN-TRB-MJ-102	696937	5168646
PRN-TRB-MJ-103	696934	5168274
PRN-TRB-MJ-104	697132	5168152
PRN-TRB-MJ-105	697349	5168279
PRN-TRB-MJ-106	698112	5169794
PRN-TRB-MJ-107	698046	5170190
PRN-TRB-MJ-108	697787	5170090
PRN-TRB-MJ-109	698341	5170575
PRN-TRB-MJ-110	698509	5170751
PRN-TRB-MJ-111	698707	5170921
PRN-TRB-MJ-112	699063	5170927
PRN-TRB-MJ-113	698081	5170861
PRN-TRB-MJ-114	698019	5171385
PRN-TRB-MJ-115	697777	5171229
PRN-TRB-MJ-116	697622	5171021
PRN-TRB-MJ-117	697387	5170859
PRN-TRB-MJ-118	697151	5170868
PRN-TRB-MJ-119	697771	5171770
PRN-TRB-MJ-120	697559	5171624
PRN-TRB-MJ-121	697425	5171388
PRN-TRB-MJ-122	697139	5171266
PRN-TRB-MJ-123	698028	5171721
PRN-TRB-MJ-124	698309	5171835
PRN-TRB-MJ-125	698429	5171475
PRN-TRB-MJ-126	698734	5171450



Project ID: 13228.00

Project Name

Goulais Wind Farm

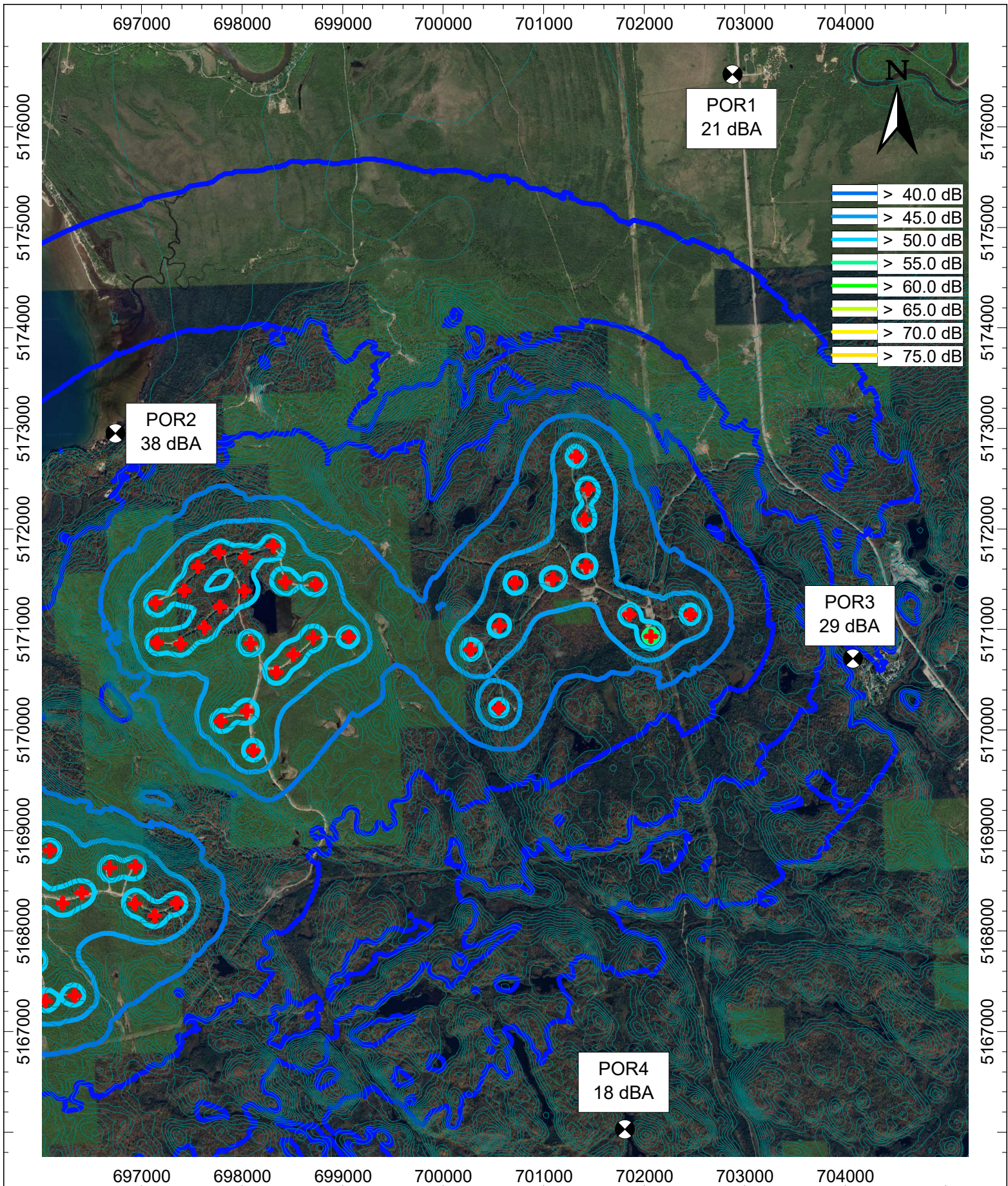
Figure Title

Surrounding Parcels

aercoustics

Scale: As Indicated
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 Reviewed by: DH
 Date: Jun 19, 2024
 Revision: 1

Figure 3



Appendix B

Wind Turbine and Transformer Specification

Engineering Statement

Goulais

Power Uprating

INTRO

The customer at Goulais site is looking for ways to increasing operational efficiency and has requested a proposal from SGRE to uprate the power from 2.3 MW to 2.5 MW.

PURPOSE

The purpose of this document is to evaluate the fatigue and extreme loads of Goulais wind farm to assess the feasibility of power uprating. The turbines investigated are the following:

- SWT-2.3-113 DD turbine with 2.3-T99.5-04 tower

PROBLEM FORMULATION

Uprate of the existing 2.3-113 DD turbines to 2.5 MW. Load check is requested if the modification will affect the suitability statement of the RNA and tower. RPM will remain same, and the torque will be changed.

CONCLUSION

The aero-elastic simulation for the SWT-2.5-113 turbine have been conducted according to Goulais wind conditions.

Loads calculated for uprating are within the acceptable limits without any further sector management requirement. Uprate for 2.3-113 DD turbines to 2.5 MW is suitable for the site conditions at Goulais, as shown in table 1

Turbine Type	2.5-113 2.3-T99.5-04
RNA	OK
Tower	OK
Blade to tower clearance	OK

Table 1 Fatigue and Extreme load level results.

Acoustic Emission for SWT-2.5-113, Rev. 0

Document ID and revision	Status	Date (yyyy-mm-dd)	Language
00_R00	Released	2024-01-08	English

Original or translation of

Original

File name

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1. Acoustic Emission..... 2

1. Acoustic Emission

Typical Sound Power Levels

The sound power levels are presented with reference to the code IEC 61400-11 ed. 2.1 (2006) 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 the height of 10 m above ground level.

Wind speed [m/s]	4	5	6	7	8	9	10	11	12
0 dB	96.6	102.7	104.5	105.0	105.0	105.0	105.0	105.0	105.0

Table 1: Acoustic emission, L_{WA} [dB(A) re 1 pW] (10 Hz to 10 kHz)

Noise Restricted Operation

The Noise Reduction System is an optional module available with the basic SCADA configuration and it therefore requires the presence of a SGRE SCADA system to work. NRS Modes are noise curtailed modes enabled by the Noise Reduction System. The purpose of this system is to limit the noise emitted by any of the functioning turbines and thereby comply with local regulations regarding noise emissions. Noise reduction settings can be tailored to time of day as well as wind direction to offer the most suitable solution for a specific location.

Noise control is achieved through the optimization of active power and rotational speed of the wind turbine. This reduction is dependent on the wind speed. The Noise Reduction System controls the noise settings of each turbine to the most appropriate level at all times, in order to keep the noise emissions within the limits allowed.

The NRS Modes may not be applicable to all tower variants. Please contact Siemens Gamesa for further information.

Typical Sound Power Frequency Distribution

The information contained in the tables below is contained here for information purpose only. To the extent permitted by law, SGRE does not provide any warranty of any type, either express or implied, with respect to the information provided in this section. In no event will SGRE be liable for damages, including any general, special, incidental or consequential damages, arising out of the information contained in this section. \nTypical spectra for L_{WA} in dB(A) re 1 pW for the corresponding centre frequencies are tabulated below for 6, 7, 8, 9 and 10 m/s referenced to a height of 10 m above ground level.

1/1 oct. band, center freq.	63	125	250	500	1000	2000	4000	8000
Standard setting	85.6	91.4	97.0	99.1	99.9	95.5	85.1	67.6

Table 2: Typical 1/1 octave band spectrum for 63 Hz to 8 kHz at 6 m/s

1/1 oct. band, center freq.	63	125	250	500	1000	2000	4000	8000
Standard setting	86.1	91.9	97.5	99.6	100.3	96.0	85.8	68.3

Table 3: Typical 1/1 octave band spectrum for 63 Hz to 8 kHz at 7 m/s

1/1 oct. band, center freq.	63	125	250	500	1000	2000	4000	8000
Standard setting	84.2	89.2	98.4	99.3	98.9	97.9	90.8	74.4

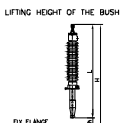
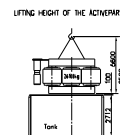
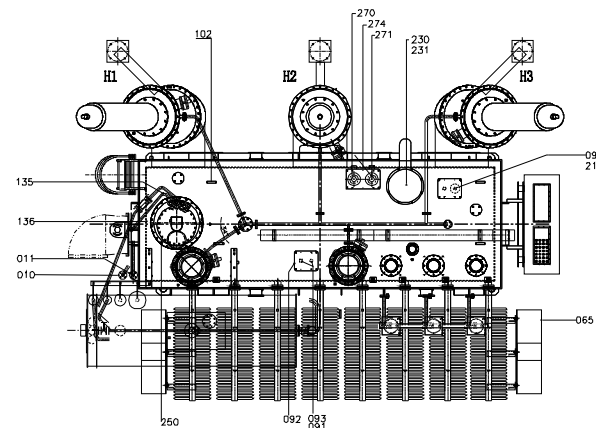
Table 4: Typical 1/1 octave band spectrum for 63 Hz to 8 kHz at 8 m/s

1/1 oct. band, center freq.	63	125	250	500	1000	2000	4000	8000
Standard setting	84.2	89.2	98.4	99.3	98.9	97.9	90.8	74.4

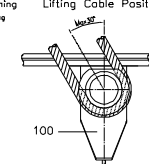
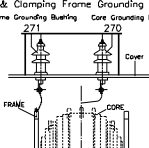
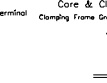
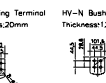
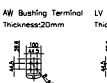
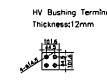
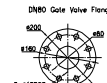
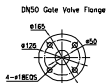
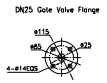
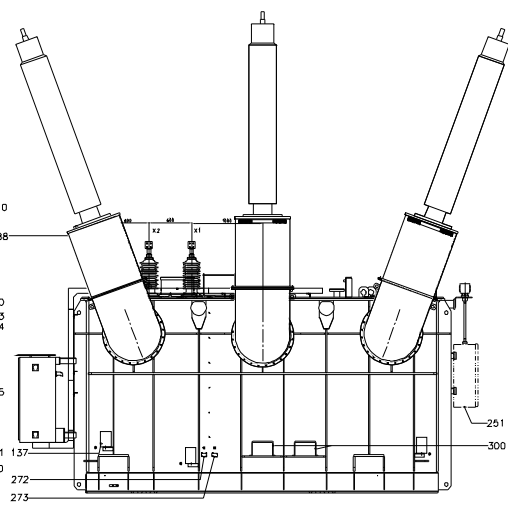
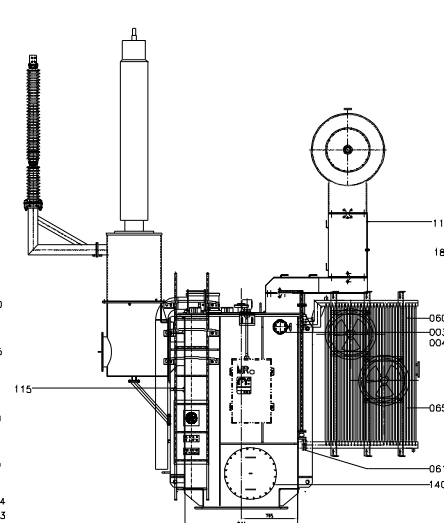
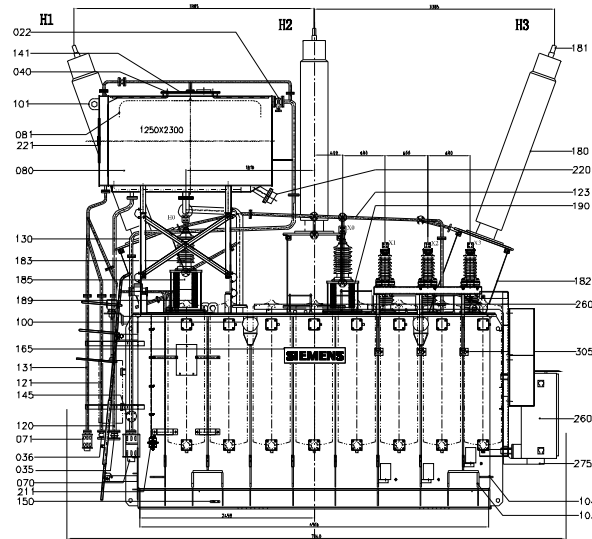
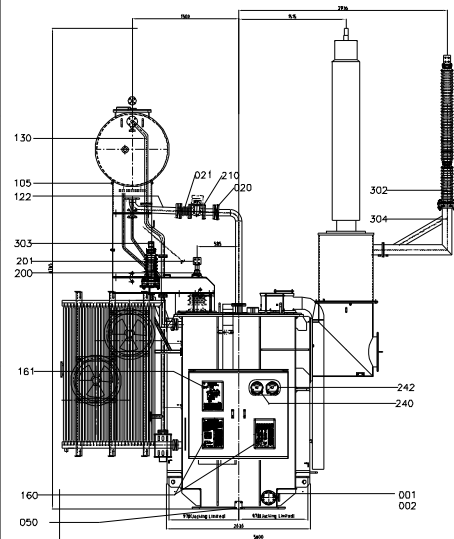
Table 5: Typical 1/1 octave band spectrum for 63 Hz to 8 kHz at 9 m/s

1/1 oct. band, center freq.	63	125	250	500	1000	2000	4000	8000
Standard setting	84.2	89.2	98.4	99.3	98.9	97.9	90.8	74.4

Table 6: Typical 1/1 octave band spectrum for 63 Hz to 8 kHz at 10 m/s



	h(mm)	L(mm)	H(mm)	Weight(kg)
H1,H2,H3	100	4050	7000	463
H0	100	1035	4200	60
X1,X2,X3,X0	100	1035	4200	60

[illegible]

S: CENTER OF GRAVITY FOR COMPLETE TRANSFORME
 @: TRANSPORT DIMENSIONS
 ACL: ACTIVEPART CENTER
 TCL: TANK CENTER
 THE OUTLINE DIMENSIONS TOLERANCES IS $\pm 10\text{mm}$
 -DIMENSIONS IN mm

weight list			
Item	weight(KG)	Item	weight(KG)
Weight of Actuator	24700	Weight of Oil	19000
Weight of Tank	6200	Weight of Oil Supplemented	19000
Weight of Cover	600	Weight of Consumable and Sopper	19000
Weight of Radiator	4300	Weight of Oil in Consumator	850
Transport Weight without Oil	35300	Total Weight	64700
Rated Power(MAX)	300kW	Rated Frequency	60Hz
Type of the Transformer	115kV 74.5kV	vector-group symbol	YNy0
x24.0kV/0.275kVxV	Current ratio	18/24/30MVA	4.3/5.7/7.2/12.1/16.2/28.0/21kV
x3.5kV/0.4kV/16kV			30/27/22/16/12/0.2/0.4kV

Date	2015.03.03	Approved	AS BUILT
Drawn	STWH T MD	Release status	
Team			
Des'g	ZYX	Title	Dimension drawing
Drawn	ZZQ HXB	General	Tolerances
		Book	135
SIEMENS	STWH	Project	Canada
		W.D.	V100653
		Drawn	V03 07 745
		Sheet	01

Appendix C

Receptor Tables

Table C.01: Acoustic Assessment Table of Original Receptors

Project: Goulais Wind Farm- Noise Impact Assessment

Project Number: 22357.02

Revision: 1

Point of Reception ID	Receptor Description	UTM (Easting)	UTM (Northing)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID	Calculated Sound Pressure Level (dBA) at Selected Windspeed (m/s)					Sound Level Limit (dBA) at Selected Windspeed (m/s)					Compliance with Limit (Yes/No)
							≤ 6 m/s	7 m/s	8 m/s	9 m/s	≥ 10 m/s	≤ 6 m/s	7 m/s	8 m/s	9 m/s	≥ 10 m/s	
R01	Residential	702878	5176521	4.5	4104	WTG-A	21.4	21.4	21.4	21.4	21.4	40.0	43.0	45.0	49.0	51.0	Yes
R02	Residential	696741	5172949	4.5	1557	PRN-TRB-MJ-120	38.2	38.2	38.2	38.2	38.2	40.0	43.0	45.0	49.0	51.0	Yes
R03	Residential	704077	5170711	4.5	1676	WTG-11	29.1	29.1	29.1	29.1	29.1	40.0	43.0	45.0	49.0	51.0	Yes
R04	Residential	701810	5166027	4.5	4374	WTG-09	18.1	18.1	18.1	18.1	18.1	40.0	43.0	45.0	49.0	51.0	Yes

Appendix D

Sample Calculations

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (m)	5000.00
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (m)	1000.00
Min. Length of Section (m)	1.00
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	0
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°C)	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (m/s)	3.0
Roads (RLS-90)	
Strictly acc. to RLS-90	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (???)	
Strictly acc. to AzB	

Point of Reception Table

Page 1 of 7

Project: Goualis Wind Farm
Project Number: 22357.12

Source ID	Source Name	Point of Reception POR1		Point of Reception POR2		Point of Reception POR3		Point of Reception POR4	
		Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day
WTG-A	WTG-A	4104	17	4589	16	3410	15		
WTG-01	WTG-01	4365	17	4733	10.8	3129	16		
WTG-02	WTG-02	4668	16	4742	10.8	3008	16.6		
WTG-03	WTG-03			4863	10.4	2810	17.5		
WTG-04	WTG-04			4585	11.2	3088	16.2		
WTG-05	WTG-05			4239	12.2	3448	14.9		
WTG-07	WTG-07			4271	12.1	3530	14.6		
WTG-08	WTG-08			4131	12.6	3810	13.6		
WTG-09	WTG-09			4690	10.9	3559	14.5	4374	16.6
WTG-10	WTG-10					2266	20.2		
WTG-11	WTG-11					1676	23.9		
Substation	Substation					2022	21.2	4914	9.1
PRN-TRB-MJ-092	PRN-TRB-MJ-092			4757	15.6				
PRN-TRB-MJ-093	PRN-TRB-MJ-093			4543	16.1				
PRN-TRB-MJ-094	PRN-TRB-MJ-094			4369	16.6				
PRN-TRB-MJ-095	PRN-TRB-MJ-095			4182	17.2				
PRN-TRB-MJ-096	PRN-TRB-MJ-096			4194	17.1				
PRN-TRB-MJ-097	PRN-TRB-MJ-097			4887	10.4				
PRN-TRB-MJ-098	PRN-TRB-MJ-098			4652	15.8				
PRN-TRB-MJ-099	PRN-TRB-MJ-099			4700	10.9				
PRN-TRB-MJ-100	PRN-TRB-MJ-100			4583	11.3				
PRN-TRB-MJ-101	PRN-TRB-MJ-101			4320	12				
PRN-TRB-MJ-102	PRN-TRB-MJ-102			4308	12				
PRN-TRB-MJ-103	PRN-TRB-MJ-103			4679	11				
PRN-TRB-MJ-104	PRN-TRB-MJ-104			4813	10.6				
PRN-TRB-MJ-105	PRN-TRB-MJ-105			4709	10.9			4997	10.2
PRN-TRB-MJ-106	PRN-TRB-MJ-106			3440	14.8				
PRN-TRB-MJ-107	PRN-TRB-MJ-107			3052	16.2				
PRN-TRB-MJ-108	PRN-TRB-MJ-108			3044	16.2				
PRN-TRB-MJ-109	PRN-TRB-MJ-109			2863	16.9				
PRN-TRB-MJ-110	PRN-TRB-MJ-110			2821	17.1				
PRN-TRB-MJ-111	PRN-TRB-MJ-111			2825	17				
PRN-TRB-MJ-112	PRN-TRB-MJ-112			3079	16				
PRN-TRB-MJ-113	PRN-TRB-MJ-113			2481	18.5				
PRN-TRB-MJ-114	PRN-TRB-MJ-114			2020	25.6				
PRN-TRB-MJ-115	PRN-TRB-MJ-115			2008	25.7				

Project: Goualis Wind Farm
Project Number: 22357.12

Source ID	Source Name	Point of Reception POR1		Point of Reception POR2		Point of Reception POR3		Point of Reception POR4	
		Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day	Distance to POR (m)	Sound Level at POR (dBA) Day
PRN-TRB-MJ-116	PRN-TRB-MJ-116			2120	25.1				
PRN-TRB-MJ-117	PRN-TRB-MJ-117			2188	24.7				
PRN-TRB-MJ-118	PRN-TRB-MJ-118			2121	25.1				
PRN-TRB-MJ-119	PRN-TRB-MJ-119			1566	28.6				
PRN-TRB-MJ-120	PRN-TRB-MJ-120			1557	28.6				
PRN-TRB-MJ-121	PRN-TRB-MJ-121			1704	27.6				
PRN-TRB-MJ-122	PRN-TRB-MJ-122			1729	27.5				
PRN-TRB-MJ-123	PRN-TRB-MJ-123			1779	27.1				
PRN-TRB-MJ-124	PRN-TRB-MJ-124			1924	26.2				
PRN-TRB-MJ-125	PRN-TRB-MJ-125			2241	24.4				
PRN-TRB-MJ-126	PRN-TRB-MJ-126			2494	23.1				
Total Level [dBA]			21		38		29		18

*Turbines further than 5km from receptors not included

Receiver: POR1
 Project: Goualis Wind Farm
 Project Number: 22357.12

Time Period	Total (dBA)*
Day	21

Receiver Name	Receiver ID	X	Y	Z
POR1	POR1	702878 m	5176521 m	204.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
WTG-01	WTG-01	701442.0	5172399.0	484.1	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	8
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	94	0.0	125	83.8	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	8
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	100	0.0	250	83.8	0.0	-1.2	0.0	4.6	0.0	0.0	0.0	0.0	0.0	12
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	102	0.0	500	83.8	0.0	-1.9	0.0	8.4	0.0	0.0	0.0	0.0	0.0	11
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	102	0.0	1000	83.8	0.0	-1.9	0.0	16.0	0.0	0.0	0.0	0.0	0.0	4
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	88	0.0	63	84.4	0.0	-4.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	7
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	94	0.0	125	84.4	0.0	-0.1	0.0	1.9	0.0	0.0	0.0	0.0	0.0	8
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	100	0.0	250	84.4	0.0	-1.3	0.0	4.9	0.0	0.0	0.0	0.0	0.0	12
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	102	0.0	500	84.4	0.0	-2.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	10
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	102	0.0	1000	84.4	0.0	-2.0	0.0	17.1	0.0	0.0	0.0	0.0	0.0	3
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	88	0.0	63	83.3	0.0	-3.7	0.0	0.5	0.0	0.0	0.0	0.0	0.0	8
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	94	0.0	125	83.3	0.0	0.1	0.0	1.7	0.0	0.0	0.0	0.0	0.0	9
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	100	0.0	250	83.3	0.0	-1.2	0.0	4.3	0.0	0.0	0.0	0.0	0.0	13
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	102	0.0	500	83.3	0.0	-1.9	0.0	7.9	0.0	0.0	0.0	0.0	0.0	12
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	102	0.0	1000	83.3	0.0	-1.9	0.0	15.0	0.0	0.0	0.0	0.0	0.0	6

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: POR2
 Project: Goualis Wind Farm
 Project Number: 22357.12

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
POR2	POR2	696741 m	5172949 m	189.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
PRN-TRB-MJ-092	PRN-TRB-MJ-092	695284.7	5168420.1	479.1	0	87	0.0	63	84.6	0.0	-4.4	0.0	0.6	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-092	PRN-TRB-MJ-092	695284.7	5168420.1	479.1	0	96	0.0	125	84.6	0.0	-0.3	0.0	2.0	0.0	0.0	0.0	0.0	0.0	10
PRN-TRB-MJ-092	PRN-TRB-MJ-092	695284.7	5168420.1	479.1	0	99	0.0	250	84.6	0.0	-1.5	0.0	5.0	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-092	PRN-TRB-MJ-092	695284.7	5168420.1	479.1	0	101	0.0	500	84.6	0.0	-2.2	0.0	9.2	0.0	0.0	0.0	0.0	0.0	9
PRN-TRB-MJ-092	PRN-TRB-MJ-092	695284.7	5168420.1	479.1	0	100	0.0	1000	84.6	0.0	-2.2	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0
PRN-TRB-MJ-093	PRN-TRB-MJ-093	695319.5	5168634.6	488.0	0	87	0.0	63	84.2	0.0	-4.3	0.0	0.6	0.0	0.0	0.0	0.0	0.0	7
PRN-TRB-MJ-093	PRN-TRB-MJ-093	695319.5	5168634.6	488.0	0	96	0.0	125	84.2	0.0	-0.2	0.0	1.9	0.0	0.0	0.0	0.0	0.0	10
PRN-TRB-MJ-093	PRN-TRB-MJ-093	695319.5	5168634.6	488.0	0	99	0.0	250	84.2	0.0	-1.5	0.0	4.7	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-093	PRN-TRB-MJ-093	695319.5	5168634.6	488.0	0	101	0.0	500	84.2	0.0	-2.2	0.0	8.8	0.0	0.0	0.0	0.0	0.0	10
PRN-TRB-MJ-093	PRN-TRB-MJ-093	695319.5	5168634.6	488.0	0	100	0.0	1000	84.2	0.0	-2.2	0.0	16.7	0.0	0.0	0.0	0.0	0.0	1
PRN-TRB-MJ-094	PRN-TRB-MJ-094	695584.2	5168735.7	477.5	0	87	0.0	63	83.8	0.0	-4.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	7
PRN-TRB-MJ-094	PRN-TRB-MJ-094	695584.2	5168735.7	477.5	0	96	0.0	125	83.8	0.0	-0.2	0.0	1.8	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-094	PRN-TRB-MJ-094	695584.2	5168735.7	477.5	0	99	0.0	250	83.8	0.0	-1.4	0.0	4.6	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-094	PRN-TRB-MJ-094	695584.2	5168735.7	477.5	0	101	0.0	500	83.8	0.0	-2.1	0.0	8.4	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-094	PRN-TRB-MJ-094	695584.2	5168735.7	477.5	0	100	0.0	1000	83.8	0.0	-2.1	0.0	16.0	0.0	0.0	0.0	0.0	0.0	2
PRN-TRB-MJ-095	PRN-TRB-MJ-095	695764.7	5168882.8	475.0	0	87	0.0	63	83.4	0.0	-4.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	7
PRN-TRB-MJ-095	PRN-TRB-MJ-095	695764.7	5168882.8	475.0	0	96	0.0	125	83.4	0.0	-0.2	0.0	1.7	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-095	PRN-TRB-MJ-095	695764.7	5168882.8	475.0	0	99	0.0	250	83.4	0.0	-1.4	0.0	4.4	0.0	0.0	0.0	0.0	0.0	13
PRN-TRB-MJ-095	PRN-TRB-MJ-095	695764.7	5168882.8	475.0	0	101	0.0	500	83.4	0.0	-2.1	0.0	8.1	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-095	PRN-TRB-MJ-095	695764.7	5168882.8	475.0	0	100	0.0	1000	83.4	0.0	-2.1	0.0	15.3	0.0	0.0	0.0	0.0	0.0	3
PRN-TRB-MJ-096	PRN-TRB-MJ-096	696086.1	5168806.2	479.9	0	87	0.0	63	83.5	0.0	-4.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	7
PRN-TRB-MJ-096	PRN-TRB-MJ-096	696086.1	5168806.2	479.9	0	96	0.0	125	83.5	0.0	-0.2	0.0	1.7	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-096	PRN-TRB-MJ-096	696086.1	5168806.2	479.9	0	99	0.0	250	83.5	0.0	-1.4	0.0	4.4	0.0	0.0	0.0	0.0	0.0	13
PRN-TRB-MJ-096	PRN-TRB-MJ-096	696086.1	5168806.2	479.9	0	101	0.0	500	83.5	0.0	-2.1	0.0	8.1	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-096	PRN-TRB-MJ-096	696086.1	5168806.2	479.9	0	100	0.0	1000	83.5	0.0	-2.1	0.0	15.4	0.0	0.0	0.0	0.0	0.0	3
PRN-TRB-MJ-097	PRN-TRB-MJ-097	695727.9	5168168.5	479.3	0	87	0.0	63	84.8	0.0	-4.4	4.8	0.6	0.0	0.0	0.0	0.0	0.0	1
PRN-TRB-MJ-097	PRN-TRB-MJ-097	695727.9	5168168.5	479.3	0	96	0.0	125	84.8	0.0	-0.3	4.8	2.0	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-097	PRN-TRB-MJ-097	695727.9	5168168.5	479.3	0	99	0.0	250	84.8	0.0	-1.5	4.8	5.1	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-097	PRN-TRB-MJ-097	695727.9	5168168.5	479.3	0	101	0.0	500	84.8	0.0	-2.2	4.8	9.4	0.0	0.0	0.0	0.0	0.0	4
PRN-TRB-MJ-097	PRN-TRB-MJ-097	695727.9	5168168.5	479.3	0	100	0.0	1000	84.8	0.0	-2.2	4.8	17.9	0.0	0.0	0.0	0.0	0.0	-5
PRN-TRB-MJ-098	PRN-TRB-MJ-098	695928.8	5168368.4	484.5	0	87	0.0	63	84.4	0.0	-4.4	0.0	0.6	0.0	0.0	0.0	0.0	0.0	7
PRN-TRB-MJ-098	PRN-TRB-MJ-098	695928.8	5168368.4	484.5	0	96	0.0	125	84.4	0.0	-0.3	0.0	1.9	0.0	0.0	0.0	0.0	0.0	10
PRN-TRB-MJ-098	PRN-TRB-MJ-098	695928.8	5168368.4	484.5	0	99	0.0	250	84.4	0.0	-1.5	0.0	4.9	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-098	PRN-TRB-MJ-098	695928.8	5168368.4	484.5	0	101	0.0	500	84.4	0.0	-2.2	0.0	9.0	0.0	0.0	0.0	0.0	0.0	9
PRN-TRB-MJ-098	PRN-TRB-MJ-098	695928.8	5168368.4	484.5	0	100	0.0	1000	84.4	0.0	-2.2	0.0	17.0	0.0	0.0	0.0	0.0	0.0	1
PRN-TRB-MJ-099	PRN-TRB-MJ-099	696217.1	5168278.1	483.1	0	87	0.0	63	84.5	0.0	-4.4	4.8	0.6	0.0	0.0	0.0	0.0	0.0	2
PRN-TRB-MJ-099	PRN-TRB-MJ-099	696217.1	5168278.1	483.1	0	96	0.0	125	84.5	0.0	-0.3	4.8	1.9	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-099	PRN-TRB-MJ-099	696217.1	5168278.1	483.1	0	99	0.0	250	84.5	0.0	-1.5	4.8	4.9	0.0	0.0	0.0	0.0	0.0	7
PRN-TRB-MJ-099	PRN-TRB-MJ-099	696217.1	5168278.1	483.1	0	101	0.0	500	84.5	0.0	-2.2	4.8	9.1	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-099	PRN-TRB-MJ-099	696217.1	5168278.1	483.1	0	100	0.0	1000	84.5	0.0	-2.2	4.8	17.2	0.0	0.0	0.0	0.0	0.0	-4
PRN-TRB-MJ-100	PRN-TRB-MJ-100	696404.5	5168377.9	470.0	0	87	0.0	63	84.2	0.0	-4.3	4.8	0.6	0.0	0.0	0.0	0.0	0.0	2
PRN-TRB-MJ-100	PRN-TRB-MJ-100	696404.5	5168377.9	470.0	0	96	0.0	125	84.2	0.0	-0.3	4.8	1.9	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-100	PRN-TRB-MJ-100	696404.5	5168377.9	470.0	0	99	0.0	250	84.2	0.0	-1.5	4.8	4.8	0.0	0.0	0.0	0.0	0.0	7
PRN-TRB-MJ-100	PRN-TRB-MJ-100	696404.5	5168377.9	470.0	0	101	0.0	500	84.2	0.0	-2.2	4.8	8.9	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-100	PRN-TRB-MJ-100	696404.5	5168377.9	470.0	0	100	0.0	1000	84.2	0.0	-2.2	4.8	16.8	0.0	0.0	0.0	0.0	0.0	-4
PRN-TRB-MJ-101	PRN-TRB-MJ-101	696685.0	5168629.4	495.0	0	87	0.0	63	83.7	0.0	-4.2	4.8	0.5	0.0	0.0	0.0	0.0	0.0	2

Receiver: POR2
 Project: Goualis Wind Farm
 Project Number: 22357.12

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
POR2	POR2	696741 m	5172949 m	189.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
PRN-TRB-MJ-101	PRN-TRB-MJ-101	696685.0	5168629.4	495.0	0	96	0.0	125	83.7	0.0	-0.2	4.8	1.8	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-101	PRN-TRB-MJ-101	696685.0	5168629.4	495.0	0	99	0.0	250	83.7	0.0	-1.4	4.8	4.5	0.0	0.0	0.0	0.0	0.0	8
PRN-TRB-MJ-101	PRN-TRB-MJ-101	696685.0	5168629.4	495.0	0	101	0.0	500	83.7	0.0	-2.1	4.8	8.3	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-101	PRN-TRB-MJ-101	696685.0	5168629.4	495.0	0	100	0.0	1000	83.7	0.0	-2.1	4.8	15.8	0.0	0.0	0.0	0.0	0.0	-2
PRN-TRB-MJ-102	PRN-TRB-MJ-102	696937.3	5168645.6	479.3	0	87	0.0	63	83.7	0.0	-4.2	4.8	0.5	0.0	0.0	0.0	0.0	0.0	2
PRN-TRB-MJ-102	PRN-TRB-MJ-102	696937.3	5168645.6	479.3	0	96	0.0	125	83.7	0.0	-0.2	4.8	1.8	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-102	PRN-TRB-MJ-102	696937.3	5168645.6	479.3	0	99	0.0	250	83.7	0.0	-1.4	4.8	4.5	0.0	0.0	0.0	0.0	0.0	8
PRN-TRB-MJ-102	PRN-TRB-MJ-102	696937.3	5168645.6	479.3	0	101	0.0	500	83.7	0.0	-2.1	4.8	8.3	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-102	PRN-TRB-MJ-102	696937.3	5168645.6	479.3	0	100	0.0	1000	83.7	0.0	-2.1	4.8	15.8	0.0	0.0	0.0	0.0	0.0	-2
PRN-TRB-MJ-103	PRN-TRB-MJ-103	696934.1	5168273.6	485.2	0	87	0.0	63	84.4	0.0	-4.4	4.8	0.6	0.0	0.0	0.0	0.0	0.0	2
PRN-TRB-MJ-103	PRN-TRB-MJ-103	696934.1	5168273.6	485.2	0	96	0.0	125	84.4	0.0	-0.3	4.8	1.9	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-103	PRN-TRB-MJ-103	696934.1	5168273.6	485.2	0	99	0.0	250	84.4	0.0	-1.5	4.8	4.9	0.0	0.0	0.0	0.0	0.0	7
PRN-TRB-MJ-103	PRN-TRB-MJ-103	696934.1	5168273.6	485.2	0	101	0.0	500	84.4	0.0	-2.2	4.8	9.0	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-103	PRN-TRB-MJ-103	696934.1	5168273.6	485.2	0	100	0.0	1000	84.4	0.0	-2.2	4.8	17.1	0.0	0.0	0.0	0.0	0.0	-4
PRN-TRB-MJ-104	PRN-TRB-MJ-104	697132.4	5168152.0	488.3	0	87	0.0	63	84.7	0.0	-4.4	4.8	0.6	0.0	0.0	0.0	0.0	0.0	2
PRN-TRB-MJ-104	PRN-TRB-MJ-104	697132.4	5168152.0	488.3	0	96	0.0	125	84.7	0.0	-0.3	4.8	2.0	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-104	PRN-TRB-MJ-104	697132.4	5168152.0	488.3	0	99	0.0	250	84.7	0.0	-1.5	4.8	5.0	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-104	PRN-TRB-MJ-104	697132.4	5168152.0	488.3	0	101	0.0	500	84.7	0.0	-2.2	4.8	9.3	0.0	0.0	0.0	0.0	0.0	4
PRN-TRB-MJ-104	PRN-TRB-MJ-104	697132.4	5168152.0	488.3	0	100	0.0	1000	84.7	0.0	-2.2	4.8	17.6	0.0	0.0	0.0	0.0	0.0	-5
PRN-TRB-MJ-105	PRN-TRB-MJ-105	697349.3	5168279.4	467.0	0	87	0.0	63	84.5	0.0	-4.4	4.8	0.6	0.0	0.0	0.0	0.0	0.0	2
PRN-TRB-MJ-105	PRN-TRB-MJ-105	697349.3	5168279.4	467.0	0	96	0.0	125	84.5	0.0	-0.3	4.8	1.9	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-105	PRN-TRB-MJ-105	697349.3	5168279.4	467.0	0	99	0.0	250	84.5	0.0	-1.5	4.8	4.9	0.0	0.0	0.0	0.0	0.0	7
PRN-TRB-MJ-105	PRN-TRB-MJ-105	697349.3	5168279.4	467.0	0	101	0.0	500	84.5	0.0	-2.2	4.8	9.1	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-105	PRN-TRB-MJ-105	697349.3	5168279.4	467.0	0	100	0.0	1000	84.5	0.0	-2.2	4.8	17.3	0.0	0.0	0.0	0.0	0.0	-4
PRN-TRB-MJ-106	PRN-TRB-MJ-106	698111.6	5169793.7	460.0	0	87	0.0	63	81.8	0.0	-3.8	4.8	0.4	0.0	0.0	0.0	0.0	0.0	4
PRN-TRB-MJ-106	PRN-TRB-MJ-106	698111.6	5169793.7	460.0	0	96	0.0	125	81.8	0.0	0.0	4.7	1.4	0.0	0.0	0.0	0.0	0.0	8
PRN-TRB-MJ-106	PRN-TRB-MJ-106	698111.6	5169793.7	460.0	0	99	0.0	250	81.8	0.0	-1.2	4.8	3.6	0.0	0.0	0.0	0.0	0.0	10
PRN-TRB-MJ-106	PRN-TRB-MJ-106	698111.6	5169793.7	460.0	0	101	0.0	500	81.8	0.0	-1.9	4.8	6.7	0.0	0.0	0.0	0.0	0.0	9
PRN-TRB-MJ-106	PRN-TRB-MJ-106	698111.6	5169793.7	460.0	0	100	0.0	1000	81.8	0.0	-1.9	4.8	12.6	0.0	0.0	0.0	0.0	0.0	3
PRN-TRB-MJ-107	PRN-TRB-MJ-107	698045.6	5170190.4	452.4	0	87	0.0	63	80.7	0.0	-3.5	4.8	0.4	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-107	PRN-TRB-MJ-107	698045.6	5170190.4	452.4	0	96	0.0	125	80.7	0.0	0.2	4.6	1.3	0.0	0.0	0.0	0.0	0.0	9
PRN-TRB-MJ-107	PRN-TRB-MJ-107	698045.6	5170190.4	452.4	0	99	0.0	250	80.7	0.0	-1.1	4.8	3.2	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-107	PRN-TRB-MJ-107	698045.6	5170190.4	452.4	0	101	0.0	500	80.7	0.0	-1.8	4.8	5.9	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-107	PRN-TRB-MJ-107	698045.6	5170190.4	452.4	0	100	0.0	1000	80.7	0.0	-1.8	4.8	11.2	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-108	PRN-TRB-MJ-108	697787.1	5170090.1	451.5	0	87	0.0	63	80.7	0.0	-3.5	4.8	0.4	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-108	PRN-TRB-MJ-108	697787.1	5170090.1	451.5	0	96	0.0	125	80.7	0.0	0.2	4.6	1.3	0.0	0.0	0.0	0.0	0.0	9
PRN-TRB-MJ-108	PRN-TRB-MJ-108	697787.1	5170090.1	451.5	0	99	0.0	250	80.7	0.0	-1.1	4.8	3.2	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-108	PRN-TRB-MJ-108	697787.1	5170090.1	451.5	0	101	0.0	500	80.7	0.0	-1.8	4.8	5.9	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-108	PRN-TRB-MJ-108	697787.1	5170090.1	451.5	0	100	0.0	1000	80.7	0.0	-1.8	4.8	11.2	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-109	PRN-TRB-MJ-109	698341.4	5170575.2	460.0	0	87	0.0	63	80.2	0.0	-3.3	4.8	0.3	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-109	PRN-TRB-MJ-109	698341.4	5170575.2	460.0	0	96	0.0	125	80.2	0.0	0.2	4.5	1.2	0.0	0.0	0.0	0.0	0.0	10
PRN-TRB-MJ-109	PRN-TRB-MJ-109	698341.4	5170575.2	460.0	0	99	0.0	250	80.2	0.0	-1.0	4.8	3.0	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-109	PRN-TRB-MJ-109	698341.4	5170575.2	460.0	0	101	0.0	500	80.2	0.0	-1.7	4.8	5.5	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-109	PRN-TRB-MJ-109	698341.4	5170575.2	460.0	0	100	0.0	1000	80.2	0.0	-1.7	4.8	10.5	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-110	PRN-TRB-MJ-110	698509.0	5170751.3	460.0	0	87	0.0	63	80.0	0.0	-3.3	4.8	0.3	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-110	PRN-TRB-MJ-110	698509.0	5170751.3	460.0	0	96	0.0	125	80.0	0.0	0.3	4.5	1.2	0.0	0.0	0.0	0.0	0.0	10

Receiver: POR2
 Project: Goualis Wind Farm
 Project Number: 22357.12

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
POR2	POR2	696741 m	5172949 m	189.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
PRN-TRB-MJ-110	PRN-TRB-MJ-110	698509.0	5170751.3	460.0	0	99	0.0	250	80.0	0.0	-1.0	4.8	3.0	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-110	PRN-TRB-MJ-110	698509.0	5170751.3	460.0	0	101	0.0	500	80.0	0.0	-1.7	4.8	5.5	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-110	PRN-TRB-MJ-110	698509.0	5170751.3	460.0	0	100	0.0	1000	80.0	0.0	-1.7	4.8	10.4	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-111	PRN-TRB-MJ-111	698707.2	5170920.7	470.0	0	87	0.0	63	80.1	0.0	-3.3	4.8	0.3	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-111	PRN-TRB-MJ-111	698707.2	5170920.7	470.0	0	96	0.0	125	80.1	0.0	0.3	4.5	1.2	0.0	0.0	0.0	0.0	0.0	10
PRN-TRB-MJ-111	PRN-TRB-MJ-111	698707.2	5170920.7	470.0	0	99	0.0	250	80.1	0.0	-1.0	4.8	3.0	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-111	PRN-TRB-MJ-111	698707.2	5170920.7	470.0	0	101	0.0	500	80.1	0.0	-1.7	4.8	5.5	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-111	PRN-TRB-MJ-111	698707.2	5170920.7	470.0	0	100	0.0	1000	80.1	0.0	-1.7	4.8	10.4	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-112	PRN-TRB-MJ-112	699063.2	5170926.5	480.0	0	87	0.0	63	80.8	0.0	-3.5	4.8	0.4	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-112	PRN-TRB-MJ-112	699063.2	5170926.5	480.0	0	96	0.0	125	80.8	0.0	0.2	4.6	1.3	0.0	0.0	0.0	0.0	0.0	9
PRN-TRB-MJ-112	PRN-TRB-MJ-112	699063.2	5170926.5	480.0	0	99	0.0	250	80.8	0.0	-1.1	4.8	3.2	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-112	PRN-TRB-MJ-112	699063.2	5170926.5	480.0	0	101	0.0	500	80.8	0.0	-1.8	4.8	6.0	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-112	PRN-TRB-MJ-112	699063.2	5170926.5	480.0	0	100	0.0	1000	80.8	0.0	-1.8	4.8	11.3	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-113	PRN-TRB-MJ-113	698080.8	5170861.4	470.0	0	87	0.0	63	78.9	0.0	-3.0	4.8	0.3	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-113	PRN-TRB-MJ-113	698080.8	5170861.4	470.0	0	96	0.0	125	78.9	0.0	0.4	4.4	1.0	0.0	0.0	0.0	0.0	0.0	11
PRN-TRB-MJ-113	PRN-TRB-MJ-113	698080.8	5170861.4	470.0	0	99	0.0	250	78.9	0.0	-0.8	4.8	2.6	0.0	0.0	0.0	0.0	0.0	14
PRN-TRB-MJ-113	PRN-TRB-MJ-113	698080.8	5170861.4	470.0	0	101	0.0	500	78.9	0.0	-1.5	4.8	4.8	0.0	0.0	0.0	0.0	0.0	14
PRN-TRB-MJ-113	PRN-TRB-MJ-113	698080.8	5170861.4	470.0	0	100	0.0	1000	78.9	0.0	-1.5	4.8	9.1	0.0	0.0	0.0	0.0	0.0	9
PRN-TRB-MJ-113	PRN-TRB-MJ-113	698080.8	5170861.4	470.0	0	97	0.0	2000	78.9	0.0	-1.5	4.8	24.1	0.0	0.0	0.0	0.0	0.0	-10
PRN-TRB-MJ-114	PRN-TRB-MJ-114	698019.2	5171385.0	460.0	0	87	0.0	63	77.2	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	13
PRN-TRB-MJ-114	PRN-TRB-MJ-114	698019.2	5171385.0	460.0	0	96	0.0	125	77.2	0.0	0.4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	18
PRN-TRB-MJ-114	PRN-TRB-MJ-114	698019.2	5171385.0	460.0	0	99	0.0	250	77.2	0.0	-0.8	0.0	2.1	0.0	0.0	0.0	0.0	0.0	21
PRN-TRB-MJ-114	PRN-TRB-MJ-114	698019.2	5171385.0	460.0	0	101	0.0	500	77.2	0.0	-1.5	0.0	3.9	0.0	0.0	0.0	0.0	0.0	21
PRN-TRB-MJ-114	PRN-TRB-MJ-114	698019.2	5171385.0	460.0	0	100	0.0	1000	77.2	0.0	-1.5	0.0	7.5	0.0	0.0	0.0	0.0	0.0	17
PRN-TRB-MJ-114	PRN-TRB-MJ-114	698019.2	5171385.0	460.0	0	97	0.0	2000	77.2	0.0	-1.5	0.0	19.7	0.0	0.0	0.0	0.0	0.0	1
PRN-TRB-MJ-115	PRN-TRB-MJ-115	697777.4	5171229.0	456.2	0	87	0.0	63	77.1	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	13
PRN-TRB-MJ-115	PRN-TRB-MJ-115	697777.4	5171229.0	456.2	0	96	0.0	125	77.1	0.0	0.4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	18
PRN-TRB-MJ-115	PRN-TRB-MJ-115	697777.4	5171229.0	456.2	0	99	0.0	250	77.1	0.0	-0.8	0.0	2.1	0.0	0.0	0.0	0.0	0.0	21
PRN-TRB-MJ-115	PRN-TRB-MJ-115	697777.4	5171229.0	456.2	0	101	0.0	500	77.1	0.0	-1.5	0.0	3.9	0.0	0.0	0.0	0.0	0.0	21
PRN-TRB-MJ-115	PRN-TRB-MJ-115	697777.4	5171229.0	456.2	0	100	0.0	1000	77.1	0.0	-1.5	0.0	7.4	0.0	0.0	0.0	0.0	0.0	17
PRN-TRB-MJ-115	PRN-TRB-MJ-115	697777.4	5171229.0	456.2	0	97	0.0	2000	77.1	0.0	-1.5	0.0	19.6	0.0	0.0	0.0	0.0	0.0	1
PRN-TRB-MJ-116	PRN-TRB-MJ-116	697622.0	5171020.5	470.9	0	87	0.0	63	77.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-116	PRN-TRB-MJ-116	697622.0	5171020.5	470.9	0	96	0.0	125	77.6	0.0	0.4	0.0	0.9	0.0	0.0	0.0	0.0	0.0	17
PRN-TRB-MJ-116	PRN-TRB-MJ-116	697622.0	5171020.5	470.9	0	99	0.0	250	77.6	0.0	-0.8	0.0	2.2	0.0	0.0	0.0	0.0	0.0	20
PRN-TRB-MJ-116	PRN-TRB-MJ-116	697622.0	5171020.5	470.9	0	101	0.0	500	77.6	0.0	-1.5	0.0	4.1	0.0	0.0	0.0	0.0	0.0	20
PRN-TRB-MJ-116	PRN-TRB-MJ-116	697622.0	5171020.5	470.9	0	100	0.0	1000	77.6	0.0	-1.5	0.0	7.8	0.0	0.0	0.0	0.0	0.0	16
PRN-TRB-MJ-116	PRN-TRB-MJ-116	697622.0	5171020.5	470.9	0	97	0.0	2000	77.6	0.0	-1.5	0.0	20.7	0.0	0.0	0.0	0.0	0.0	0
PRN-TRB-MJ-117	PRN-TRB-MJ-117	697387.3	5170859.0	450.0	0	87	0.0	63	77.9	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-117	PRN-TRB-MJ-117	697387.3	5170859.0	450.0	0	96	0.0	125	77.9	0.0	0.4	0.0	0.9	0.0	0.0	0.0	0.0	0.0	17
PRN-TRB-MJ-117	PRN-TRB-MJ-117	697387.3	5170859.0	450.0	0	99	0.0	250	77.9	0.0	-0.8	0.0	2.3	0.0	0.0	0.0	0.0	0.0	20
PRN-TRB-MJ-117	PRN-TRB-MJ-117	697387.3	5170859.0	450.0	0	101	0.0	500	77.9	0.0	-1.5	0.0	4.2	0.0	0.0	0.0	0.0	0.0	20
PRN-TRB-MJ-117	PRN-TRB-MJ-117	697387.3	5170859.0	450.0	0	100	0.0	1000	77.9	0.0	-1.5	0.0	8.1	0.0	0.0	0.0	0.0	0.0	16
PRN-TRB-MJ-117	PRN-TRB-MJ-117	697387.3	5170859.0	450.0	0	97	0.0	2000	77.9	0.0	-1.5	0.0	21.3	0.0	0.0	0.0	0.0	0.0	-1
PRN-TRB-MJ-118	PRN-TRB-MJ-118	697151.0	5170868.4	442.0	0	87	0.0	63	77.6	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-118	PRN-TRB-MJ-118	697151.0	5170868.4	442.0	0	96	0.0	125	77.6	0.0	0.4	0.0	0.9	0.0	0.0	0.0	0.0	0.0	17
PRN-TRB-MJ-118	PRN-TRB-MJ-118	697151.0	5170868.4	442.0	0	99	0.0	250	77.6	0.0	-0.8	0.0	2.2	0.0	0.0	0.0	0.0	0.0	20

Receiver: POR2
 Project: Goualis Wind Farm
 Project Number: 22357.12

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
POR2	POR2	696741 m	5172949 m	189.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
PRN-TRB-MJ-118	PRN-TRB-MJ-118	697151.0	5170868.4	442.0	0	101	0.0	500	77.6	0.0	-1.5	0.0	4.1	0.0	0.0	0.0	0.0	0.0	20
PRN-TRB-MJ-118	PRN-TRB-MJ-118	697151.0	5170868.4	442.0	0	100	0.0	1000	77.6	0.0	-1.5	0.0	7.8	0.0	0.0	0.0	0.0	0.0	16
PRN-TRB-MJ-118	PRN-TRB-MJ-118	697151.0	5170868.4	442.0	0	97	0.0	2000	77.6	0.0	-1.5	0.0	20.6	0.0	0.0	0.0	0.0	0.0	0
PRN-TRB-MJ-119	PRN-TRB-MJ-119	697770.5	5171769.5	443.7	0	87	0.0	63	75.0	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	15
PRN-TRB-MJ-119	PRN-TRB-MJ-119	697770.5	5171769.5	443.7	0	96	0.0	125	75.0	0.0	0.4	0.0	0.7	0.0	0.0	0.0	0.0	0.0	20
PRN-TRB-MJ-119	PRN-TRB-MJ-119	697770.5	5171769.5	443.7	0	99	0.0	250	75.0	0.0	-0.8	0.0	1.7	0.0	0.0	0.0	0.0	0.0	23
PRN-TRB-MJ-119	PRN-TRB-MJ-119	697770.5	5171769.5	443.7	0	101	0.0	500	75.0	0.0	-1.5	0.0	3.1	0.0	0.0	0.0	0.0	0.0	24
PRN-TRB-MJ-119	PRN-TRB-MJ-119	697770.5	5171769.5	443.7	0	100	0.0	1000	75.0	0.0	-1.5	0.0	5.8	0.0	0.0	0.0	0.0	0.0	21
PRN-TRB-MJ-119	PRN-TRB-MJ-119	697770.5	5171769.5	443.7	0	97	0.0	2000	75.0	0.0	-1.5	0.0	15.3	0.0	0.0	0.0	0.0	0.0	8
PRN-TRB-MJ-120	PRN-TRB-MJ-120	697559.3	5171624.2	446.8	0	87	0.0	63	75.0	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	15
PRN-TRB-MJ-120	PRN-TRB-MJ-120	697559.3	5171624.2	446.8	0	96	0.0	125	75.0	0.0	0.4	0.0	0.6	0.0	0.0	0.0	0.0	0.0	20
PRN-TRB-MJ-120	PRN-TRB-MJ-120	697559.3	5171624.2	446.8	0	99	0.0	250	75.0	0.0	-0.8	0.0	1.6	0.0	0.0	0.0	0.0	0.0	23
PRN-TRB-MJ-120	PRN-TRB-MJ-120	697559.3	5171624.2	446.8	0	101	0.0	500	75.0	0.0	-1.5	0.0	3.0	0.0	0.0	0.0	0.0	0.0	24
PRN-TRB-MJ-120	PRN-TRB-MJ-120	697559.3	5171624.2	446.8	0	100	0.0	1000	75.0	0.0	-1.5	0.0	5.8	0.0	0.0	0.0	0.0	0.0	21
PRN-TRB-MJ-120	PRN-TRB-MJ-120	697559.3	5171624.2	446.8	0	97	0.0	2000	75.0	0.0	-1.5	0.0	15.3	0.0	0.0	0.0	0.0	0.0	8
PRN-TRB-MJ-121	PRN-TRB-MJ-121	697424.6	5171388.3	449.3	0	87	0.0	63	75.7	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	14
PRN-TRB-MJ-121	PRN-TRB-MJ-121	697424.6	5171388.3	449.3	0	96	0.0	125	75.7	0.0	0.4	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
PRN-TRB-MJ-121	PRN-TRB-MJ-121	697424.6	5171388.3	449.3	0	99	0.0	250	75.7	0.0	-0.8	0.0	1.8	0.0	0.0	0.0	0.0	0.0	23
PRN-TRB-MJ-121	PRN-TRB-MJ-121	697424.6	5171388.3	449.3	0	101	0.0	500	75.7	0.0	-1.5	0.0	3.3	0.0	0.0	0.0	0.0	0.0	23
PRN-TRB-MJ-121	PRN-TRB-MJ-121	697424.6	5171388.3	449.3	0	100	0.0	1000	75.7	0.0	-1.5	0.0	6.3	0.0	0.0	0.0	0.0	0.0	19
PRN-TRB-MJ-121	PRN-TRB-MJ-121	697424.6	5171388.3	449.3	0	97	0.0	2000	75.7	0.0	-1.5	0.0	16.7	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-122	PRN-TRB-MJ-122	697139.1	5171266.3	437.1	0	87	0.0	63	75.8	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	14
PRN-TRB-MJ-122	PRN-TRB-MJ-122	697139.1	5171266.3	437.1	0	96	0.0	125	75.8	0.0	0.4	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
PRN-TRB-MJ-122	PRN-TRB-MJ-122	697139.1	5171266.3	437.1	0	99	0.0	250	75.8	0.0	-0.8	0.0	1.8	0.0	0.0	0.0	0.0	0.0	22
PRN-TRB-MJ-122	PRN-TRB-MJ-122	697139.1	5171266.3	437.1	0	101	0.0	500	75.8	0.0	-1.5	0.0	3.4	0.0	0.0	0.0	0.0	0.0	23
PRN-TRB-MJ-122	PRN-TRB-MJ-122	697139.1	5171266.3	437.1	0	100	0.0	1000	75.8	0.0	-1.5	0.0	6.4	0.0	0.0	0.0	0.0	0.0	19
PRN-TRB-MJ-122	PRN-TRB-MJ-122	697139.1	5171266.3	437.1	0	97	0.0	2000	75.8	0.0	-1.5	0.0	16.9	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-123	PRN-TRB-MJ-123	698027.8	5171720.6	455.4	0	87	0.0	63	76.1	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	14
PRN-TRB-MJ-123	PRN-TRB-MJ-123	698027.8	5171720.6	455.4	0	96	0.0	125	76.1	0.0	0.4	0.0	0.7	0.0	0.0	0.0	0.0	0.0	19
PRN-TRB-MJ-123	PRN-TRB-MJ-123	698027.8	5171720.6	455.4	0	99	0.0	250	76.1	0.0	-0.8	0.0	1.9	0.0	0.0	0.0	0.0	0.0	22
PRN-TRB-MJ-123	PRN-TRB-MJ-123	698027.8	5171720.6	455.4	0	101	0.0	500	76.1	0.0	-1.5	0.0	3.5	0.0	0.0	0.0	0.0	0.0	23
PRN-TRB-MJ-123	PRN-TRB-MJ-123	698027.8	5171720.6	455.4	0	100	0.0	1000	76.1	0.0	-1.5	0.0	6.6	0.0	0.0	0.0	0.0	0.0	19
PRN-TRB-MJ-123	PRN-TRB-MJ-123	698027.8	5171720.6	455.4	0	97	0.0	2000	76.1	0.0	-1.5	0.0	17.4	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-124	PRN-TRB-MJ-124	698309.3	5171834.6	453.3	0	87	0.0	63	76.8	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	13
PRN-TRB-MJ-124	PRN-TRB-MJ-124	698309.3	5171834.6	453.3	0	96	0.0	125	76.8	0.0	0.4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	18
PRN-TRB-MJ-124	PRN-TRB-MJ-124	698309.3	5171834.6	453.3	0	99	0.0	250	76.8	0.0	-0.8	0.0	2.0	0.0	0.0	0.0	0.0	0.0	21
PRN-TRB-MJ-124	PRN-TRB-MJ-124	698309.3	5171834.6	453.3	0	101	0.0	500	76.8	0.0	-1.5	0.0	3.7	0.0	0.0	0.0	0.0	0.0	22
PRN-TRB-MJ-124	PRN-TRB-MJ-124	698309.3	5171834.6	453.3	0	100	0.0	1000	76.8	0.0	-1.5	0.0	7.1	0.0	0.0	0.0	0.0	0.0	18
PRN-TRB-MJ-124	PRN-TRB-MJ-124	698309.3	5171834.6	453.3	0	97	0.0	2000	76.8	0.0	-1.5	0.0	18.8	0.0	0.0	0.0	0.0	0.0	3
PRN-TRB-MJ-125	PRN-TRB-MJ-125	698428.5	5171474.6	466.4	0	87	0.0	63	78.1	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	12
PRN-TRB-MJ-125	PRN-TRB-MJ-125	698428.5	5171474.6	466.4	0	96	0.0	125	78.1	0.0	0.4	0.0	0.9	0.0	0.0	0.0	0.0	0.0	17
PRN-TRB-MJ-125	PRN-TRB-MJ-125	698428.5	5171474.6	466.4	0	99	0.0	250	78.1	0.0	-0.8	0.0	2.4	0.0	0.0	0.0	0.0	0.0	20
PRN-TRB-MJ-125	PRN-TRB-MJ-125	698428.5	5171474.6	466.4	0	101	0.0	500	78.1	0.0	-1.5	0.0	4.4	0.0	0.0	0.0	0.0	0.0	20
PRN-TRB-MJ-125	PRN-TRB-MJ-125	698428.5	5171474.6	466.4	0	100	0.0	1000	78.1	0.0	-1.5	0.0	8.3	0.0	0.0	0.0	0.0	0.0	15
PRN-TRB-MJ-125	PRN-TRB-MJ-125	698428.5	5171474.6	466.4	0	97	0.0	2000	78.1	0.0	-1.5	0.0	21.8	0.0	0.0	0.0	0.0	0.0	-2
PRN-TRB-MJ-126	PRN-TRB-MJ-126	698734.0	5171449.7	474.6	0	87	0.0	63	79.0	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	11

Receiver: POR2
 Project: Goualis Wind Farm
 Project Number: 22357.12

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
POR2	POR2	696741 m	5172949 m	189.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
PRN-TRB-MJ-126	PRN-TRB-MJ-126	698734.0	5171449.7	474.6	0	96	0.0	125	79.0	0.0	0.4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	16
PRN-TRB-MJ-126	PRN-TRB-MJ-126	698734.0	5171449.7	474.6	0	99	0.0	250	79.0	0.0	-0.8	0.0	2.6	0.0	0.0	0.0	0.0	0.0	18
PRN-TRB-MJ-126	PRN-TRB-MJ-126	698734.0	5171449.7	474.6	0	101	0.0	500	79.0	0.0	-1.5	0.0	4.8	0.0	0.0	0.0	0.0	0.0	18
PRN-TRB-MJ-126	PRN-TRB-MJ-126	698734.0	5171449.7	474.6	0	100	0.0	1000	79.0	0.0	-1.5	0.0	9.2	0.0	0.0	0.0	0.0	0.0	13
PRN-TRB-MJ-126	PRN-TRB-MJ-126	698734.0	5171449.7	474.6	0	97	0.0	2000	79.0	0.0	-1.5	0.0	24.3	0.0	0.0	0.0	0.0	0.0	-5
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	88	0.0	63	84.5	0.0	-4.0	4.8	0.6	0.0	0.0	0.0	0.0	0.0	2
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	94	0.0	125	84.5	0.0	-0.1	4.8	1.9	0.0	0.0	0.0	0.0	0.0	3
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	100	0.0	250	84.5	0.0	-1.3	4.8	4.9	0.0	0.0	0.0	0.0	0.0	7
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	102	0.0	500	84.5	0.0	-2.0	4.8	9.1	0.0	0.0	0.0	0.0	0.0	5
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	102	0.0	1000	84.5	0.0	-2.0	4.8	17.3	0.0	0.0	0.0	0.0	0.0	-2
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	88	0.0	63	84.5	0.0	-4.0	4.8	0.6	0.0	0.0	0.0	0.0	0.0	2
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	94	0.0	125	84.5	0.0	-0.1	4.8	2.0	0.0	0.0	0.0	0.0	0.0	3
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	100	0.0	250	84.5	0.0	-1.3	4.8	5.0	0.0	0.0	0.0	0.0	0.0	7
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	102	0.0	500	84.5	0.0	-2.0	4.8	9.2	0.0	0.0	0.0	0.0	0.0	5
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	102	0.0	1000	84.5	0.0	-2.0	4.8	17.4	0.0	0.0	0.0	0.0	0.0	-2
WTG-03	WTG-03	701421.0	5171629.0	479.5	0	88	0.0	63	84.8	0.0	-4.1	4.8	0.6	0.0	0.0	0.0	0.0	0.0	2
WTG-03	WTG-03	701421.0	5171629.0	479.5	0	94	0.0	125	84.8	0.0	-0.1	4.8	2.0	0.0	0.0	0.0	0.0	0.0	3
WTG-03	WTG-03	701421.0	5171629.0	479.5	0	100	0.0	250	84.8	0.0	-1.3	4.8	5.1	0.0	0.0	0.0	0.0	0.0	6
WTG-03	WTG-03	701421.0	5171629.0	479.5	0	102	0.0	500	84.8	0.0	-2.0	4.8	9.4	0.0	0.0	0.0	0.0	0.0	5
WTG-03	WTG-03	701421.0	5171629.0	479.5	0	102	0.0	1000	84.8	0.0	-2.0	4.8	17.8	0.0	0.0	0.0	0.0	0.0	-3
WTG-04	WTG-04	701092.0	5171503.0	480.8	0	88	0.0	63	84.2	0.0	-4.0	4.8	0.6	0.0	0.0	0.0	0.0	0.0	3
WTG-04	WTG-04	701092.0	5171503.0	480.8	0	94	0.0	125	84.2	0.0	-0.1	4.8	1.9	0.0	0.0	0.0	0.0	0.0	3
WTG-04	WTG-04	701092.0	5171503.0	480.8	0	100	0.0	250	84.2	0.0	-1.3	4.8	4.8	0.0	0.0	0.0	0.0	0.0	7
WTG-04	WTG-04	701092.0	5171503.0	480.8	0	102	0.0	500	84.2	0.0	-2.0	4.8	8.9	0.0	0.0	0.0	0.0	0.0	6
WTG-04	WTG-04	701092.0	5171503.0	480.8	0	102	0.0	1000	84.2	0.0	-2.0	4.8	16.8	0.0	0.0	0.0	0.0	0.0	-2
WTG-05	WTG-05	700713.0	5171467.0	489.5	0	88	0.0	63	83.6	0.0	-3.8	4.8	0.5	0.0	0.0	0.0	0.0	0.0	3
WTG-05	WTG-05	700713.0	5171467.0	489.5	0	94	0.0	125	83.6	0.0	0.0	4.8	1.7	0.0	0.0	0.0	0.0	0.0	4
WTG-05	WTG-05	700713.0	5171467.0	489.5	0	100	0.0	250	83.6	0.0	-1.2	4.8	4.4	0.0	0.0	0.0	0.0	0.0	8
WTG-05	WTG-05	700713.0	5171467.0	489.5	0	102	0.0	500	83.6	0.0	-1.9	4.8	8.2	0.0	0.0	0.0	0.0	0.0	7
WTG-05	WTG-05	700713.0	5171467.0	489.5	0	102	0.0	1000	83.6	0.0	-1.9	4.8	15.5	0.0	0.0	0.0	0.0	0.0	0
WTG-07	WTG-07	700562.0	5171040.0	489.5	0	88	0.0	63	83.6	0.0	-3.8	4.8	0.5	0.0	0.0	0.0	0.0	0.0	3
WTG-07	WTG-07	700562.0	5171040.0	489.5	0	94	0.0	125	83.6	0.0	0.0	4.8	1.8	0.0	0.0	0.0	0.0	0.0	4
WTG-07	WTG-07	700562.0	5171040.0	489.5	0	100	0.0	250	83.6	0.0	-1.2	4.8	4.5	0.0	0.0	0.0	0.0	0.0	8
WTG-07	WTG-07	700562.0	5171040.0	489.5	0	102	0.0	500	83.6	0.0	-1.9	4.8	8.3	0.0	0.0	0.0	0.0	0.0	7
WTG-07	WTG-07	700562.0	5171040.0	489.5	0	102	0.0	1000	83.6	0.0	-1.9	4.8	15.7	0.0	0.0	0.0	0.0	0.0	0
WTG-08	WTG-08	700268.0	5170799.0	489.5	0	88	0.0	63	83.3	0.0	-3.7	4.8	0.5	0.0	0.0	0.0	0.0	0.0	3
WTG-08	WTG-08	700268.0	5170799.0	489.5	0	94	0.0	125	83.3	0.0	0.0	4.7	1.7	0.0	0.0	0.0	0.0	0.0	4
WTG-08	WTG-08	700268.0	5170799.0	489.5	0	100	0.0	250	83.3	0.0	-1.2	4.8	4.3	0.0	0.0	0.0	0.0	0.0	8
WTG-08	WTG-08	700268.0	5170799.0	489.5	0	102	0.0	500	83.3	0.0	-1.9	4.8	8.0	0.0	0.0	0.0	0.0	0.0	7
WTG-08	WTG-08	700268.0	5170799.0	489.5	0	102	0.0	1000	83.3	0.0	-1.9	4.8	15.1	0.0	0.0	0.0	0.0	0.0	1
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	88	0.0	63	84.4	0.0	-4.0	4.8	0.6	0.0	0.0	0.0	0.0	0.0	2
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	94	0.0	125	84.4	0.0	-0.1	4.8	1.9	0.0	0.0	0.0	0.0	0.0	3
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	100	0.0	250	84.4	0.0	-1.3	4.8	4.9	0.0	0.0	0.0	0.0	0.0	7
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	102	0.0	500	84.4	0.0	-2.0	4.8	9.1	0.0	0.0	0.0	0.0	0.0	5
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	102	0.0	1000	84.4	0.0	-2.0	4.8	17.2	0.0	0.0	0.0	0.0	0.0	-2
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	88	0.0	63	84.3	0.0	-4.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	7

Receiver: POR2
Project: Goualis Wind Farm
Project Number: 22357.12

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
POR2	POR2	696741 m	5172949 m	189.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	94	0.0	125	84.3	0.0	-0.1	0.0	1.9	0.0	0.0	0.0	0.0	0.0	8
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	100	0.0	250	84.3	0.0	-1.3	0.0	4.8	0.0	0.0	0.0	0.0	0.0	12
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	102	0.0	500	84.3	0.0	-2.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0	11
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	102	0.0	1000	84.3	0.0	-2.0	0.0	16.8	0.0	0.0	0.0	0.0	0.0	3

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: POR3
 Project: Goualis Wind Farm
 Project Number: 22357.12

Time Period	Total (dBA)*
Day	29

Receiver Name	Receiver ID	X	Y	Z
POR3	POR3	704077 m	5170711 m	344.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
Substation	Substation	702067.0	5170934.0	384.0	0	82	0.0	63	77.1	0.0	-5.6	4.8	0.2	0.0	0.0	0.0	0.0	0.0	5
Substation	Substation	702067.0	5170934.0	384.0	0	94	0.0	125	77.1	0.0	1.1	3.7	0.8	0.0	0.0	0.0	0.0	0.0	11
Substation	Substation	702067.0	5170934.0	384.0	0	96	0.0	250	77.1	0.0	-1.1	4.8	2.1	0.0	0.0	0.0	0.0	0.0	14
Substation	Substation	702067.0	5170934.0	384.0	0	102	0.0	500	77.1	0.0	-2.8	4.8	3.9	0.0	0.0	0.0	0.0	0.0	19
Substation	Substation	702067.0	5170934.0	384.0	0	99	0.0	1000	77.1	0.0	-2.8	4.9	7.4	0.0	0.0	0.0	0.0	0.0	12
Substation	Substation	702067.0	5170934.0	384.0	0	95	0.0	2000	77.1	0.0	-2.8	5.0	19.5	0.0	0.0	0.0	0.0	0.0	-4
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	88	0.0	63	80.9	0.0	-3.0	4.8	0.4	0.0	0.0	0.0	0.0	0.0	5
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	94	0.0	125	80.9	0.0	0.4	4.4	1.3	0.0	0.0	0.0	0.0	0.0	7
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	100	0.0	250	80.9	0.0	-0.8	4.8	3.3	0.0	0.0	0.0	0.0	0.0	11
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	102	0.0	500	80.9	0.0	-1.5	4.8	6.0	0.0	0.0	0.0	0.0	0.0	11
WTG-01	WTG-01	701442.0	5172399.0	484.1	0	102	0.0	1000	80.9	0.0	-1.5	4.8	11.5	0.0	0.0	0.0	0.0	0.0	7
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	88	0.0	63	80.6	0.0	-3.0	4.8	0.4	0.0	0.0	0.0	0.0	0.0	5
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	94	0.0	125	80.6	0.0	0.4	4.4	1.2	0.0	0.0	0.0	0.0	0.0	7
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	100	0.0	250	80.6	0.0	-0.8	4.8	3.1	0.0	0.0	0.0	0.0	0.0	12
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	102	0.0	500	80.6	0.0	-1.5	4.8	5.8	0.0	0.0	0.0	0.0	0.0	12
WTG-02	WTG-02	701405.0	5172092.0	484.5	0	102	0.0	1000	80.6	0.0	-1.5	4.8	11.0	0.0	0.0	0.0	0.0	0.0	7
WTG-03	WTG-03	701421.0	5171629.0	479.5	0	88	0.0	63	80.0	0.0	-3.0	4.8	0.3	0.0	0.0	0.0	0.0	0.0	6
WTG-03	WTG-03	701421.0	5171629.0	479.5	0	94	0.0	125	80.0	0.0	0.4	4.4	1.2	0.0	0.0	0.0	0.0	0.0	8
WTG-03	WTG-03	701421.0	5171629.0	479.5	0	100	0.0	250	80.0	0.0	-0.8	4.8	2.9	0.0	0.0	0.0	0.0	0.0	13
WTG-03	WTG-03	701421.0	5171629.0	479.5	0	102	0.0	500	80.0	0.0	-1.5	4.8	5.4	0.0	0.0	0.0	0.0	0.0	13
WTG-03	WTG-03	701421.0	5171629.0	479.5	0	102	0.0	1000	80.0	0.0	-1.5	4.8	10.3	0.0	0.0	0.0	0.0	0.0	9
WTG-04	WTG-04	701092.0	5171503.0	480.8	0	88	0.0	63	80.8	0.0	-3.0	4.8	0.4	0.0	0.0	0.0	0.0	0.0	5
WTG-04	WTG-04	701092.0	5171503.0	480.8	0	94	0.0	125	80.8	0.0	0.4	4.4	1.3	0.0	0.0	0.0	0.0	0.0	7
WTG-04	WTG-04	701092.0	5171503.0	480.8	0	100	0.0	250	80.8	0.0	-0.8	4.8	3.2	0.0	0.0	0.0	0.0	0.0	12
WTG-04	WTG-04	701092.0	5171503.0	480.8	0	102	0.0	500	80.8	0.0	-1.5	4.8	6.0	0.0	0.0	0.0	0.0	0.0	12
WTG-04	WTG-04	701092.0	5171503.0	480.8	0	102	0.0	1000	80.8	0.0	-1.5	4.8	11.3	0.0	0.0	0.0	0.0	0.0	7
WTG-05	WTG-05	700713.0	5171467.0	489.5	0	88	0.0	63	81.8	0.0	-3.3	4.8	0.4	0.0	0.0	0.0	0.0	0.0	4
WTG-05	WTG-05	700713.0	5171467.0	489.5	0	94	0.0	125	81.8	0.0	0.3	4.5	1.4	0.0	0.0	0.0	0.0	0.0	6
WTG-05	WTG-05	700713.0	5171467.0	489.5	0	100	0.0	250	81.8	0.0	-0.9	4.8	3.6	0.0	0.0	0.0	0.0	0.0	10
WTG-05	WTG-05	700713.0	5171467.0	489.5	0	102	0.0	500	81.8	0.0	-1.6	4.8	6.7	0.0	0.0	0.0	0.0	0.0	10
WTG-05	WTG-05	700713.0	5171467.0	489.5	0	102	0.0	1000	81.8	0.0	-1.6	4.8	12.6	0.0	0.0	0.0	0.0	0.0	5
WTG-07	WTG-07	700562.0	5171040.0	489.5	0	88	0.0	63	82.0	0.0	-3.3	4.8	0.4	0.0	0.0	0.0	0.0	0.0	4
WTG-07	WTG-07	700562.0	5171040.0	489.5	0	94	0.0	125	82.0	0.0	0.2	4.5	1.5	0.0	0.0	0.0	0.0	0.0	6
WTG-07	WTG-07	700562.0	5171040.0	489.5	0	100	0.0	250	82.0	0.0	-1.0	4.8	3.7	0.0	0.0	0.0	0.0	0.0	10
WTG-07	WTG-07	700562.0	5171040.0	489.5	0	102	0.0	500	82.0	0.0	-1.7	4.8	6.8	0.0	0.0	0.0	0.0	0.0	10
WTG-07	WTG-07	700562.0	5171040.0	489.5	0	102	0.0	1000	82.0	0.0	-1.7	4.8	12.9	0.0	0.0	0.0	0.0	0.0	4
WTG-08	WTG-08	700268.0	5170799.0	489.5	0	88	0.0	63	82.6	0.0	-3.5	4.8	0.5	0.0	0.0	0.0	0.0	0.0	4
WTG-08	WTG-08	700268.0	5170799.0	489.5	0	94	0.0	125	82.6	0.0	0.1	4.6	1.6	0.0	0.0	0.0	0.0	0.0	5
WTG-08	WTG-08	700268.0	5170799.0	489.5	0	100	0.0	250	82.6	0.0	-1.1	4.8	4.0	0.0	0.0	0.0	0.0	0.0	9
WTG-08	WTG-08	700268.0	5170799.0	489.5	0	102	0.0	500	82.6	0.0	-1.8	4.8	7.4	0.0	0.0	0.0	0.0	0.0	9
WTG-08	WTG-08	700268.0	5170799.0	489.5	0	102	0.0	1000	82.6	0.0	-1.8	4.8	13.9	0.0	0.0	0.0	0.0	0.0	3
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	88	0.0	63	82.0	0.0	-3.4	4.8	0.4	0.0	0.0	0.0	0.0	0.0	4
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	94	0.0	125	82.0	0.0	0.2	4.5	1.5	0.0	0.0	0.0	0.0	0.0	6
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	100	0.0	250	82.0	0.0	-1.0	4.8	3.7	0.0	0.0	0.0	0.0	0.0	10
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	102	0.0	500	82.0	0.0	-1.7	4.8	6.9	0.0	0.0	0.0	0.0	0.0	10
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	102	0.0	1000	82.0	0.0	-1.7	4.8	13.0	0.0	0.0	0.0	0.0	0.0	4

Receiver: POR3
 Project: Goualis Wind Farm
 Project Number: 22357.12

Time Period	Total (dBA)*
Day	29

Receiver Name	Receiver ID	X	Y	Z
POR3	POR3	704077 m	5170711 m	344.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
WTG-10	WTG-10	701854.0	5171151.0	484.5	0	88	0.0	63	78.1	0.0	-3.0	4.8	0.3	0.0	0.0	0.0	0.0	0.0	8
WTG-10	WTG-10	701854.0	5171151.0	484.5	0	94	0.0	125	78.1	0.0	0.4	4.4	0.9	0.0	0.0	0.0	0.0	0.0	10
WTG-10	WTG-10	701854.0	5171151.0	484.5	0	100	0.0	250	78.1	0.0	-0.8	4.8	2.4	0.0	0.0	0.0	0.0	0.0	15
WTG-10	WTG-10	701854.0	5171151.0	484.5	0	102	0.0	500	78.1	0.0	-1.5	4.8	4.4	0.0	0.0	0.0	0.0	0.0	16
WTG-10	WTG-10	701854.0	5171151.0	484.5	0	102	0.0	1000	78.1	0.0	-1.5	4.8	8.3	0.0	0.0	0.0	0.0	0.0	13
WTG-10	WTG-10	701854.0	5171151.0	484.5	0	98	0.0	2000	78.1	0.0	-1.5	4.8	21.9	0.0	0.0	0.0	0.0	0.0	-5
WTG-11	WTG-11	702460.0	5171151.0	489.5	0	88	0.0	63	75.5	0.0	-3.0	4.8	0.2	0.0	0.0	0.0	0.0	0.0	11
WTG-11	WTG-11	702460.0	5171151.0	489.5	0	94	0.0	125	75.5	0.0	0.4	4.4	0.7	0.0	0.0	0.0	0.0	0.0	13
WTG-11	WTG-11	702460.0	5171151.0	489.5	0	100	0.0	250	75.5	0.0	-0.8	4.8	1.8	0.0	0.0	0.0	0.0	0.0	18
WTG-11	WTG-11	702460.0	5171151.0	489.5	0	102	0.0	500	75.5	0.0	-1.5	4.8	3.2	0.0	0.0	0.0	0.0	0.0	20
WTG-11	WTG-11	702460.0	5171151.0	489.5	0	102	0.0	1000	75.5	0.0	-1.5	4.8	6.2	0.0	0.0	0.0	0.0	0.0	17
WTG-11	WTG-11	702460.0	5171151.0	489.5	0	98	0.0	2000	75.5	0.0	-1.5	4.8	16.3	0.0	0.0	0.0	0.0	0.0	3
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	88	0.0	63	81.7	0.0	-3.3	4.8	0.4	0.0	0.0	0.0	0.0	0.0	5
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	94	0.0	125	81.7	0.0	0.3	4.5	1.4	0.0	0.0	0.0	0.0	0.0	6
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	100	0.0	250	81.7	0.0	-0.9	4.8	3.6	0.0	0.0	0.0	0.0	0.0	10
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	102	0.0	500	81.7	0.0	-1.6	4.8	6.6	0.0	0.0	0.0	0.0	0.0	10
WTG-A	WTG-A	701324.0	5172723.0	482.5	0	102	0.0	1000	81.7	0.0	-1.6	4.8	12.5	0.0	0.0	0.0	0.0	0.0	5

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: POR4
 Project: Goualis Wind Farm
 Project Number: 22357.12

Time Period	Total (dBA)*
Day	18

Receiver Name	Receiver ID	X	Y	Z
POR4	POR4	701810 m	5166027 m	384.5 m

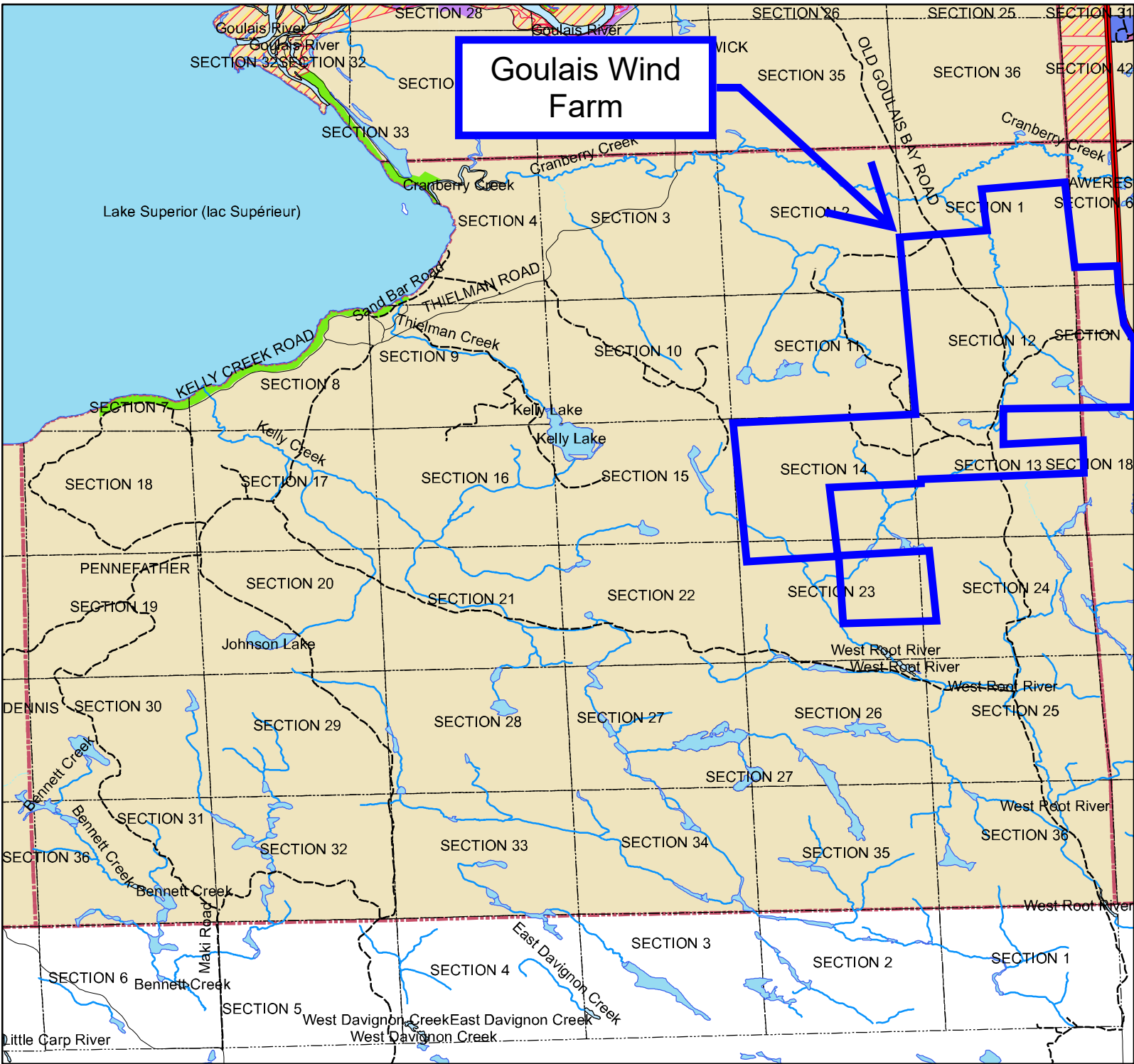
Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
PRN-TRB-MJ-105	PRN-TRB-MJ-105	697349.3	5168279.4	467.0	0	87	0.0	63	85.0	0.0	-4.5	4.8	0.6	0.0	0.0	0.0	0.0	0.0	1
PRN-TRB-MJ-105	PRN-TRB-MJ-105	697349.3	5168279.4	467.0	0	96	0.0	125	85.0	0.0	-0.3	4.8	2.1	0.0	0.0	0.0	0.0	0.0	5
PRN-TRB-MJ-105	PRN-TRB-MJ-105	697349.3	5168279.4	467.0	0	99	0.0	250	85.0	0.0	-1.5	4.8	5.2	0.0	0.0	0.0	0.0	0.0	6
PRN-TRB-MJ-105	PRN-TRB-MJ-105	697349.3	5168279.4	467.0	0	101	0.0	500	85.0	0.0	-2.2	4.8	9.6	0.0	0.0	0.0	0.0	0.0	4
PRN-TRB-MJ-105	PRN-TRB-MJ-105	697349.3	5168279.4	467.0	0	100	0.0	1000	85.0	0.0	-2.2	4.8	18.3	0.0	0.0	0.0	0.0	0.0	-6
Substation	Substation	702067.0	5170934.0	384.0	0	82	0.0	63	84.8	0.0	-5.8	4.8	0.6	0.0	0.0	0.0	0.0	0.0	-3
Substation	Substation	702067.0	5170934.0	384.0	0	94	0.0	125	84.8	0.0	1.0	3.8	2.0	0.0	0.0	0.0	0.0	0.0	2
Substation	Substation	702067.0	5170934.0	384.0	0	96	0.0	250	84.8	0.0	-1.2	4.8	5.1	0.0	0.0	0.0	0.0	0.0	3
Substation	Substation	702067.0	5170934.0	384.0	0	102	0.0	500	84.8	0.0	-2.9	4.8	9.5	0.0	0.0	0.0	0.0	0.0	6
Substation	Substation	702067.0	5170934.0	384.0	0	99	0.0	1000	84.8	0.0	-2.9	4.8	18.0	0.0	0.0	0.0	0.0	0.0	-6
WTG-09	WTG-09	700553.0	5170216.0	489.5	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	8
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	94	0.0	125	83.8	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	8
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	100	0.0	250	83.8	0.0	-1.2	0.0	4.6	0.0	0.0	0.0	0.0	0.0	12
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	102	0.0	500	83.8	0.0	-1.9	0.0	8.4	0.0	0.0	0.0	0.0	0.0	11
WTG-09	WTG-09	700553.0	5170216.0	489.5	0	102	0.0	1000	83.8	0.0	-1.9	0.0	16.0	0.0	0.0	0.0	0.0	0.0	4

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Appendix E

Zoning

Zoning for Pennefather Township



Legend

1982 Zoning

ZONE

- Urban Residential
- Rural Residential*
- Seasonal Residential
- Mobile Home Park*
- General Commercial

* Mobile Homes permitted

- Resort Commercial
- General Industrial
- Institutional
- Open Space
- Waste Disposal
- Rural*
- Environmental Protection

- Lot Fabric
- Townships

Water

- Lake
- River

Stream

- Permanent
- Intermittent

All Roads

- Arterial
- Collector
- Expressway / Highway
- Local Street
- Ramp
- Resource / Recreation

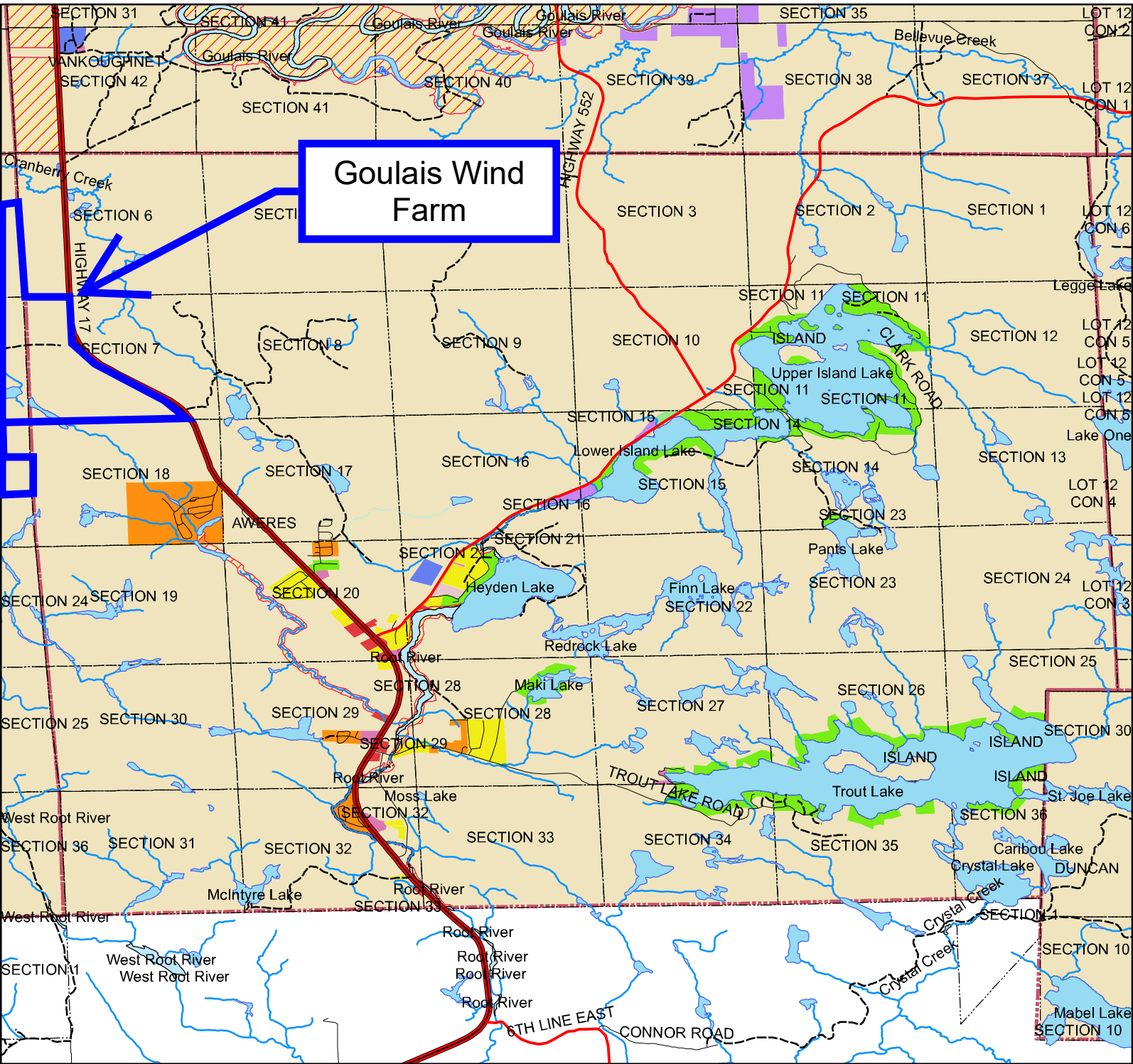


1:70,000

2,200 1,100 0 2,200 Meters



Zoning for Aweres Township



Legend

1982 Zoning

ZONE

- Urban Residential
- Rural Residential*
- Seasonal Residential
- Mobile Home Park*
- General Commercial
- Resort Commercial
- General Industrial
- Institutional
- Open Space
- Waste Disposal
- Rural*
- Environmental Protection

* Mobile Homes permitted

- Lot Fabric
- Townships

Water

- Lake
- River

Stream

- Permanent
- Intermittent

All Roads

- Arterial
- Collector
- Expressway / Highway
- Local Street
- Ramp
- Resource / Recreation

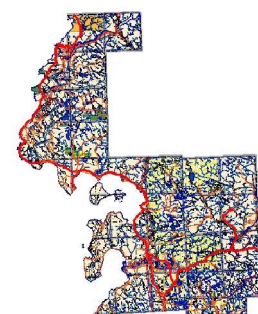


1:70,000

2,200 1,100 0 2,200 Meters

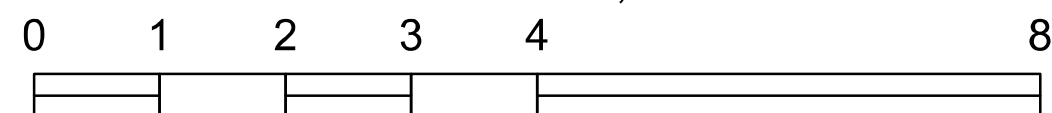


This map illustrates the Goulais Wind Farm area, showing land parcels, roads, and geographical features. The map includes labels for various locations such as Goulais Bay, Goulais Mission, Goulais River, and Goulais Wind Farm. It also shows the boundaries of the Township of Prince, City of Sault Ste. Marie, and the Goulais River. The map is divided into sections (SEC 1, SEC 2, etc.) and includes a legend for symbols like 'Goulais Wind Farm' and 'Goulais River'. The map is oriented with North at the top.



Sault North Planning Board

SCALE 1:60,000



Kilometres
MARCH 2010

End of Report

Attachment C - Limited partnership declaration for Chi-Wiikwedong LP

Declaration of an Ontario Limited Partnership

Limited Partnerships Act

Déclaration d'une société en commandite de l'Ontario

Loi sur les sociétés en commandite

CHI-WIIKWEDONG HOLDINGS LP

Firm Name / Raison sociale

240416685

Business Identification Number / Numéro d'identification d'entreprise

This is to certify that the above named limited partnership declaration has been filed under the laws of the Province of Ontario.

Declaration Date: April 28, 2014

Expiry Date: April 25, 2029

La présente vise à attester que la déclaration de la raison sociale de la société en commandite citée ci-dessus a été déposée conformément aux règles de droit de la province de l'Ontario.

Date de déclaration: 28 avril 2014

Date d'expiration: 25 avril 2029

V. Quintanilla W.

Registrar / Registrateur
Limited Partnerships Act / Loi sur les sociétés en commandite

This certificate is not complete without the Declaration Information.

Certified a true copy of the record of the
Ministry of Public and Business Service Delivery.

V. Quintanilla W.
Director/Registrar



Le présent certificat n'est pas complet sans les renseignements afférents à la déclaration.

Copie certifiée conforme du dossier du
ministère des Services au public et aux
entreprises.

V. Quintanilla W.
Directeur ou registrateur



Ministry of Public and
Business Service Delivery

Declaration Information

Type of Filing:

Renewal of an Ontario Limited Partnership Declaration

Firm Name:

CHI-WIIKWEDONG HOLDINGS LP

Business Identification Number (BIN):

240416685

Address of Principal Place of Business:

155 Wellington St W, 2930, Toronto, Ontario, M5V 3H1, Canada

Activity (NAICS Code):

[Not Provided] - [Not Provided]

Declaration Date:

April 26, 2024

Expiry Date:

April 25, 2029

Number of General Partners:

1

The Declaration Information is not complete without the Declaration Certificate.
Certified a true copy of the record of the Ministry of Public and Business Service Delivery.

A handwritten signature in dark ink, appearing to read "V. Quintanilla W.", written over a light blue horizontal line.

Director/Registrar, Ministry of Public and Business Service Delivery

General Partner(s):

CHI-WIIKWEDONG GP INC., 155 Wellington St W, 2930, Toronto, Ontario, M5V 3H1, Canada

V. Quintanilla W.

Declaration of an Ontario Limited Partnership

Limited Partnerships Act

Déclaration d'une société en commandite de l'Ontario

Loi sur les sociétés en commandite

CHI-WIIKWEDONG LP

Firm Name / Raison sociale

230768665

Business Identification Number / Numéro d'identification d'entreprise

This is to certify that the above named limited partnership declaration has been filed under the laws of the Province of Ontario.

Declaration Date: July 31, 2013

Expiry Date: July 28, 2028

La présente vise à attester que la déclaration de la raison sociale de la société en commandite citée ci-dessus a été déposée conformément aux règles de droit de la province de l'Ontario.

Date de déclaration: 31 juillet 2013

Date d'expiration: 28 juillet 2028

V. Quintanilla W.

Registrar / Registrateur
Limited Partnerships Act / Loi sur les sociétés en commandite

This certificate is not complete without the Declaration Information.

Certified a true copy of the record of the
Ministry of Public and Business Service Delivery.

V. Quintanilla W.
Director/Registrar



Le présent certificat n'est pas complet sans les renseignements afférents à la déclaration.

Copie certifiée conforme du dossier du
ministère des Services au public et aux
entreprises.

V. Quintanilla W.
Directeur ou registrateur



Ministry of Public and
Business Service Delivery

Declaration Information

Type of Filing:

Renewal of an Ontario Limited Partnership Declaration

Firm Name:

CHI-WIIKWEDONG LP

Business Identification Number (BIN):

230768665

Address of Principal Place of Business:

155 Wellington St W, 2930, Toronto, Ontario, Canada, M5V 3H1

Activity (NAICS Code):

[Not Provided] - [Not Provided]

Declaration Date:

August 16, 2023

Expiry Date:

July 28, 2028

Number of General Partners:

1

The Declaration Information is not complete without the Declaration Certificate.
Certified a true copy of the record of the Ministry of Public and Business Service Delivery.

A handwritten signature in black ink, appearing to read "V. Quintanilla W.", written over a light blue horizontal line.

Director/Registrar, Ministry of Public and Business Service Delivery

General Partner(s):

CHI-WIIKWEDONG HOLDINGS LP, 155 Wellington St W, 2930, Toronto, Ontario, Canada, M5V 3H1

V. Quintanilla W.

Attachment D - Limited partnership declaration for Chi-Wiikwedong Holdings LP

002380325



ARTICLES OF AMENDMENT STATUTS DE MODIFICATION

Form 3
*Business
Corporations
Act*

Formule 3
*Loi sur les
sociétés par
actions*

1. The name of the corporation is: (Set out in BLOCK CAPITAL LETTERS)
Dénomination sociale actuelle de la société (écrire en LETTRES MAJUSCULES SEULEMENT):

[illegible]

2. The name of the corporation is changed to (if applicable) : (Set out in BLOCK CAPITAL LETTERS)
Nouvelle dénomination sociale de la société (s'il y a lieu) (écrire en LETTRES MAJUSCULES SEULEMENT) :

[illegible]

3. Date of incorporation/amalgamation:
Date de la constitution ou de la fusion :

2013,07,11

(Year, Month, Day)
(année, mois, jour)

4. Complete only if there is a change in the number of directors or the minimum / maximum number of directors.
Il faut remplir cette partie seulement si le nombre d'administrateurs ou si le nombre minimal ou maximal d'administrateurs a changé.

Number of directors is/are: minimum and maximum number of directors is/are:
 Nombre d'administrateurs : nombres minimum et maximum d'administrateurs :

Number	<u>minimum</u> and <u>maximum</u>
Nombre	<u>minimum</u> et <u>maximum</u>

11/11/2011

or
ou

--	--

5. The articles of the corporation are amended as follows:
Les statuts de la société sont modifiés de la façon suivante :

The articles are amended by changing the name of the Corporation from 2380325 Ontario Inc. to Chi-Wiikwedong GP Inc.

6. The amendment has been duly authorized as required by sections 168 and 170 (as applicable) of the *Business Corporations Act*.
La modification a été dûment autorisée conformément aux articles 168 et 170 (selon le cas) de la *Loi sur les sociétés par actions*.
7. The resolution authorizing the amendment was approved by the shareholders/directors (as applicable) of the corporation on
Les actionnaires ou les administrateurs (selon le cas) de la société ont approuvé la résolution autorisant la modification le

2014, 04, 28
(Year, Month, Day)
(année, mois, jour)

These articles are signed in duplicate.
Les présents statuts sont signés en double exemplaire.

2380325 ONTARIO INC.

(Print name of corporation from Article 1 on page 1)
(Veuillez écrire le nom de la société de l'article un à la page une).

By/
Par :



(Signature)
(Signature)

Michael Bernstein

director

(Description of Office)
(Fonction)

Request ID: 015522387
Demande n°:
Transaction ID: 051468024
Transaction n°:
Category ID: CT
Catégorie:

Province of Ontario
Province de l'Ontario
Ministry of Government Services
Ministère des Services gouvernementaux

Date Report Produced: 2013/07/11
Document produit le:
Time Report Produced: 09:39:20
Imprimé à:

Certificate of Incorporation Certificat de constitution

This is to certify that

Ceci certifie que

2380325 ONTARIO INC.

Ontario Corporation No.

Numéro matricule de la personne morale en
Ontario

002380325

is a corporation incorporated,
under the laws of the Province of Ontario.

est une société constituée aux termes
des lois de la province de l'Ontario.

These articles of incorporation
are effective on

Les présents statuts constitutifs
entrent en vigueur le

JULY 11 JUILLET, 2013



Director/Directrice

Business Corporations Act/Loi sur les sociétés par actions

Request ID / Demande n°
15522387

Ontario Corporation Number
Numéro de la compagnie en Ontario
2380325

FORM 1

FORMULE NUMÉRO 1

BUSINESS CORPORATIONS ACT

/

LOI SUR LES SOCIÉTÉS PAR ACTIONS

ARTICLES OF INCORPORATION
STATUTS CONSTITUTIFS

1. The name of the corporation is: Dénomination sociale de la compagnie:
2380325 ONTARIO INC.

2. The address of the registered office is: Adresse du siège social:

1 RICHMOND STREET WEST

(Street & Number, or R.R. Number & if Multi-Office Building give Room No.)
(Rue et numéro, ou numéro de la R.R. et, s'il s'agit d'édifice à bureau, numéro du bureau)

TORONTO
CANADA

(Name of Municipality or Post Office)
(Nom de la municipalité ou du bureau de poste)

Suite 500

ONTARIO
M5H 3W4

(Postal Code/Code postal)

3. Number (or minimum and maximum number) of directors is: Nombre (ou nombres minimal et maximal) d'administrateurs:

Minimum 1

Maximum 10

4. The first director(s) is/are: Premier(s) administrateur(s):

First name, initials and surname
Prénom, initiales et nom de famille

Address for service, giving Street & No.
or R.R. No., Municipality and Postal Code

Resident Canadian State Yes or No
Résident Canadien Oui/Non

Domicile élu, y compris la rue et le
numéro, le numéro de la R.R., ou le nom
de la municipalité et le code postal

- * ANDREW YES
INGRAM
1 RICHMOND STREET WEST Suite 500

TORONTO ONTARIO
CANADA M5H 3W4

Request ID / Demande n°
15522387

Ontario Corporation Number
Numéro de la compagnie en Ontario
2380325

5. Restrictions, if any, on business the corporation may carry on or on powers the corporation may exercise.
Limites, s'il y a lieu, imposées aux activités commerciales ou aux pouvoirs de la compagnie.
- None

6. The classes and any maximum number of shares that the corporation is authorized to issue:
Catégories et nombre maximal, s'il y a lieu, d'actions que la compagnie est autorisée à émettre:
- The Corporation is authorized to issue an unlimited number of Common Shares;

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Ontario Corporation Number
Numéro de la compagnie en Ontario
2380325

7. Rights, privileges, restrictions and conditions (if any) attaching to each class of shares and directors authority with respect to any class of shares which may be issued in series: *Droits, privilèges, restrictions et conditions, s'il y a lieu, rattachés à chaque catégorie d'actions et pouvoirs des administrateurs relatifs à chaque catégorie d'actions que peut être émise en série:*

1. Dividends

1.1 Dividends. Subject to the prior rights of any class of shares ranking senior to the Common Shares with respect to priority in the payment of dividends, the holders of the Common Shares shall be entitled to receive dividends and the Corporation shall pay dividends thereon, as and when declared by the board of directors of the Corporation out of monies properly applicable to the payment of dividends, in such amount and in such form as the board of directors of the Corporation may from time to time determine, and all dividends which the board of directors of the Corporation may declare on the Common Shares shall be declared and paid in equal amounts per share on all Common Shares at the time outstanding.

2. Liquidation

2.1 Liquidation. In the event of any distribution of assets of the Corporation among its shareholders arising on the liquidation, dissolution or winding up of the Corporation, whether voluntary or involuntary, or any other distribution of assets of the Corporation for the purpose of winding up its affairs, the holders of the Common Shares shall, subject to the prior rights of any shares ranking senior to the Common Shares with respect to priority in such distribution of assets of the Corporation, be entitled to receive the remaining property and assets of the Corporation.

3. Purchase by the Corporation

3.1 Purchase by the Corporation. Subject to the Articles and the provisions of the Business Corporations Act, R.S.O. 1990, chapter B.16, as now enacted or as the same may from time to time be amended, re-enacted or replaced (and, in the case of such amendment, re-enactment or replacement, any references herein shall be read as referring to such amended, re-enacted or replaced provisions), the Corporation may at any time or from time to time purchase (if obtainable) all or any part of the outstanding Common Shares at the lowest price at which, in the opinion of the board of directors, such shares are obtainable. Except where all of the outstanding holders of the Common Shares consent to the purchase, the Corporation may purchase such shares only pursuant to tenders received by the Corporation upon request for tenders addressed to all of the holders of the Common Shares, and the Corporation shall accept only the lowest tenders. Where, in response to the invitation for tenders, two or more shareholders submit tenders at the same price and the tenders are accepted by the Corporation as to only part of the Common Shares offered, the Corporation shall accept part of the Common Shares offered in such tender in proportion as nearly as may be to the total number of Common Shares offered in each such tender

Request ID / Demande n°
15522387

Ontario Corporation Number
Numéro de la compagnie en Ontario
2380325

7. Rights, privileges, restrictions and conditions (if any) attaching to each class of shares and directors authority with respect to any class of shares which may be issued in series: *Droits, privilèges, restrictions et conditions, s'il y a lieu, rattachés à chaque catégorie d'actions et pouvoirs des administrateurs relatifs à chaque catégorie d'actions que peut être émise en série:*

(disregarding fractions).

4. Voting

4.1 Voting. The holders of the Common Shares shall be entitled to receive notice of and to attend (in person or by proxy) and be heard at all meetings of the shareholders of the Corporation (except for meetings at which only holders of another specified class or series of shares of the Corporation are entitled to vote separately as a class or series) and shall have one vote for each Common Share held at all such meetings.

Request ID / Demande n°
15522387

Ontario Corporation Number
Numéro de la compagnie en Ontario
2380325

8. The issue, transfer or ownership of shares is/is not restricted and the restrictions (if any) are as follows:

L'émission, le transfert ou la propriété d'actions est/n'est pas restreinte. Les restrictions, s'il y a lieu, sont les suivantes:

No securities, other than non-convertible debt securities, may be transferred without either:

(a) the approval of the directors of the Corporation expressed by a resolution passed by the board of directors of the Corporation at a meeting of the directors or by an instrument or instruments in writing signed by all of the directors, or

(b) the approval of the holders of a majority of the voting shares of the Corporation for the time being outstanding expressed by a resolution passed by the shareholders or by an instrument or instruments in writing signed by the holders of all of such shares.

Request ID / Demande n°
15522387

Ontario Corporation Number
Numéro de la compagnie en Ontario
2380325

9. Other provisions, (if any, are):
Autres dispositions, s'il y a lieu:

1. The outstanding securities, excluding non-convertible debt securities, of the Corporation may be beneficially owned, directly or indirectly, by not more than 50 persons, exclusive of employees and former employees of the Corporation or its affiliates,

provided that:

A. each person is counted as one beneficial owner unless the person is created or used solely to purchase or hold securities of the Corporation in which case each beneficial owner or each beneficiary of the person, as the case may be, must be counted as a separate beneficial owner; and

B. the Corporation may not distribute securities to a person unless such person purchases the securities as principal and is:

- (a) a director, officer, employee, founder or control person of the Corporation,
- (b) a director, officer or employee of an affiliate of the Corporation;
- (c) a spouse, parent, grandparent, brother, sister, child or grandchild of a director, executive officer, founder or control person of the Corporation,
- (d) a parent, grandparent, brother, sister, child or grandchild of the spouse of a director, executive officer, founder or control person of the Corporation,
- (e) a close personal friend of a director, executive officer, founder or control person of the Corporation,
- (f) a close business associate of a director, executive officer, founder or control person of the Corporation,
- (g) a spouse, parent, grandparent, brother, sister, child or grandchild of the selling security holder or of the selling security holder's spouse,
- (h) a security holder of the Corporation,
- (i) an accredited investor,
- (j) a person of which a majority of the voting securities are beneficially owned by, or a majority of the directors are, persons described in paragraphs (a) to (i),

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15522387

Ontario Corporation Number
Numéro de la compagnie en Ontario
2380325

9. Other provisions, (if any, are):
Autres dispositions, s'il y a lieu:

(k) a trust or estate of which all of the beneficiaries or a majority of the trustees or executors are persons described in paragraphs (a) to (i),
or

(l) a person that is not the public; or

C. the Corporation has completed a transaction and immediately following the completion of the transaction, its securities were beneficially owned only by persons described in subsection B. and since the completion of the transaction has distributed its securities only to persons described in subsection B,

as any of these terms may be defined, from time to time, in National Instrument 45-106 Prospectus and Registration Exemptions, as same may be modified or amended.

2. The Corporation has a lien on a share registered in the name of a shareholder or his legal representative for a debt of that shareholder to the Corporation.

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15522387

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Numéro de la compagnie en Ontario
2380325

10. The names and addresses of the incorporators are
Nom et adresse des fondateurs

First name, initials and last name
or corporate name

*Prénom, initiale et nom de
famille ou dénomination sociale*

Full address for service or address of registered office or of principal place of business
giving street & No. or R.R. No., municipality and postal code
*Domicile élu, adresse du siège social au adresse de l'établissement principal, y compris
la rue et le numéro, le numéro de la R.R., le nom de la municipalité et le code postal*

* ANDREW INGRAM

1 RICHMOND STREET WEST Suite 500

TORONTO ONTARIO
CANADA M5H 3W4

Attachment E - Certificate of name change for 2380325 Ontario Inc.

002380325



ARTICLES OF AMENDMENT STATUTS DE MODIFICATION

Form 3
*Business
Corporations
Act*

Formule 3
Loi sur les sociétés par actions

1. The name of the corporation is: (Set out in BLOCK CAPITAL LETTERS)
Dénomination sociale actuelle de la société (écrire en LETTRES MAJUSCULES SEULEMENT):

[illegible]

2. The name of the corporation is changed to (if applicable) : (Set out in BLOCK CAPITAL LETTERS)
Nouvelle dénomination sociale de la société (s'il y a lieu) (écrire en LETTRES MAJUSCULES SEULEMENT) :

[illegible]

3. Date of incorporation/amalgamation:
Date de la constitution ou de la fusion :

2013,07,11

(Year, Month, Day)
(année, mois, jour)

4. Complete only if there is a change in the number of directors or the minimum / maximum number of directors.
Il faut remplir cette partie seulement si le nombre d'administrateurs ou si le nombre minimal ou maximal d'administrateurs a changé.

Number of directors is/are: minimum and maximum number of directors is/are:
 Nombre d'administrateurs : nombres minimum et maximum d'administrateurs :

Number	<u>minimum</u> and <u>maximum</u>
Nombre	<u>minimum</u> et <u>maximum</u>

□

or
ou

--	--

5. The articles of the corporation are amended as follows:
Les statuts de la société sont modifiés de la façon suivante :

The articles are amended by changing the name of the Corporation from 2380325 Ontario Inc. to Chi-Wiikwedong GP Inc.

6. The amendment has been duly authorized as required by sections 168 and 170 (as applicable) of the *Business Corporations Act*.
La modification a été dûment autorisée conformément aux articles 168 et 170 (selon le cas) de la *Loi sur les sociétés par actions*.
7. The resolution authorizing the amendment was approved by the shareholders/directors (as applicable) of the corporation on
Les actionnaires ou les administrateurs (selon le cas) de la société ont approuvé la résolution autorisant la modification le

2014, 04, 28
(Year, Month, Day)
(année, mois, jour)

These articles are signed in duplicate.
Les présents statuts sont signés en double exemplaire.

2380325 ONTARIO INC.

(Print name of corporation from Article 1 on page 1)
(Veuillez écrire le nom de la société de l'article un à la page une).

By/
Par :


(Signature)
(Signature)

Michael Bernstein

director

(Description of Office)
(Fonction)

Request ID: 015522387
Demande n°:
Transaction ID: 051468024
Transaction n°:
Category ID: CT
Catégorie:

Province of Ontario
Province de l'Ontario
Ministry of Government Services
Ministère des Services gouvernementaux

Date Report Produced: 2013/07/11
Document produit le:
Time Report Produced: 09:39:20
Imprimé à:

Certificate of Incorporation Certificat de constitution

This is to certify that

Ceci certifie que

2380325 ONTARIO INC.

Ontario Corporation No.

Numéro matricule de la personne morale en
Ontario

002380325

is a corporation incorporated,
under the laws of the Province of Ontario.

est une société constituée aux termes
des lois de la province de l'Ontario.

These articles of incorporation
are effective on

Les présents statuts constitutifs
entrent en vigueur le

JULY 11 JUILLET, 2013



Director/Directrice

Business Corporations Act/Loi sur les sociétés par actions

Request ID / Demande n°
15522387

Ontario Corporation Number
Numéro de la compagnie en Ontario
2380325

FORM 1

FORMULE NUMÉRO 1

BUSINESS CORPORATIONS ACT

/

LOI SUR LES SOCIÉTÉS PAR ACTIONS

ARTICLES OF INCORPORATION
STATUTS CONSTITUTIFS

1. The name of the corporation is: Dénomination sociale de la compagnie:
2380325 ONTARIO INC.

2. The address of the registered office is: Adresse du siège social:

1 RICHMOND STREET WEST

(Street & Number, or R.R. Number & if Multi-Office Building give Room No.)
(Rue et numéro, ou numéro de la R.R. et, s'il s'agit d'édifice à bureau, numéro du bureau)

TORONTO
CANADA

(Name of Municipality or Post Office)
(Nom de la municipalité ou du bureau de poste)

Suite 500

ONTARIO
M5H 3W4

(Postal Code/Code postal)

3. Number (or minimum and maximum number) of directors is: Nombre (ou nombres minimal et maximal) d'administrateurs:

Minimum 1

Maximum 10

4. The first director(s) is/are: Premier(s) administrateur(s):

First name, initials and surname
Prénom, initiales et nom de famille

Address for service, giving Street & No.
or R.R. No., Municipality and Postal Code

Resident Canadian State Yes or No
Résident Canadien Oui/Non

Domicile élu, y compris la rue et le
numéro, le numéro de la R.R., ou le nom
de la municipalité et le code postal

- * ANDREW YES
INGRAM
1 RICHMOND STREET WEST Suite 500

TORONTO ONTARIO
CANADA M5H 3W4

Request ID / Demande n°
15522387

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2380325

5. Restrictions, if any, on business the corporation may carry on or on powers the corporation may exercise.
Limites, s'il y a lieu, imposées aux activités commerciales ou aux pouvoirs de la compagnie.
- None

6. The classes and any maximum number of shares that the corporation is authorized to issue:
Catégories et nombre maximal, s'il y a lieu, d'actions que la compagnie est autorisée à émettre:
- The Corporation is authorized to issue an unlimited number of Common Shares;

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Numéro de la compagnie en Ontario
2380325

7. Rights, privileges, restrictions and conditions (if any) attaching to each class of shares and directors authority with respect to any class of shares which may be issued in series: *Droits, privilèges, restrictions et conditions, s'il y a lieu, rattachés à chaque catégorie d'actions et pouvoirs des administrateurs relatifs à chaque catégorie d'actions que peut être émise en série:*

1. Dividends

1.1 Dividends. Subject to the prior rights of any class of shares ranking senior to the Common Shares with respect to priority in the payment of dividends, the holders of the Common Shares shall be entitled to receive dividends and the Corporation shall pay dividends thereon, as and when declared by the board of directors of the Corporation out of monies properly applicable to the payment of dividends, in such amount and in such form as the board of directors of the Corporation may from time to time determine, and all dividends which the board of directors of the Corporation may declare on the Common Shares shall be declared and paid in equal amounts per share on all Common Shares at the time outstanding.

2. Liquidation

2.1 Liquidation. In the event of any distribution of assets of the Corporation among its shareholders arising on the liquidation, dissolution or winding up of the Corporation, whether voluntary or involuntary, or any other distribution of assets of the Corporation for the purpose of winding up its affairs, the holders of the Common Shares shall, subject to the prior rights of any shares ranking senior to the Common Shares with respect to priority in such distribution of assets of the Corporation, be entitled to receive the remaining property and assets of the Corporation.

3. Purchase by the Corporation

3.1 Purchase by the Corporation. Subject to the Articles and the provisions of the Business Corporations Act, R.S.O. 1990, chapter B.16, as now enacted or as the same may from time to time be amended, re-enacted or replaced (and, in the case of such amendment, re-enactment or replacement, any references herein shall be read as referring to such amended, re-enacted or replaced provisions), the Corporation may at any time or from time to time purchase (if obtainable) all or any part of the outstanding Common Shares at the lowest price at which, in the opinion of the board of directors, such shares are obtainable. Except where all of the outstanding holders of the Common Shares consent to the purchase, the Corporation may purchase such shares only pursuant to tenders received by the Corporation upon request for tenders addressed to all of the holders of the Common Shares, and the Corporation shall accept only the lowest tenders. Where, in response to the invitation for tenders, two or more shareholders submit tenders at the same price and the tenders are accepted by the Corporation as to only part of the Common Shares offered, the Corporation shall accept part of the Common Shares offered in such tender in proportion as nearly as may be to the total number of Common Shares offered in each such tender

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2380325

7. Rights, privileges, restrictions and conditions (if any) attaching to each class of shares and directors authority with respect to any class of shares which may be issued in series: *Droits, privilèges, restrictions et conditions, s'il y a lieu, rattachés à chaque catégorie d'actions et pouvoirs des administrateurs relatifs à chaque catégorie d'actions que peut être émise en série:*

(disregarding fractions).

4. Voting

4.1 Voting. The holders of the Common Shares shall be entitled to receive notice of and to attend (in person or by proxy) and be heard at all meetings of the shareholders of the Corporation (except for meetings at which only holders of another specified class or series of shares of the Corporation are entitled to vote separately as a class or series) and shall have one vote for each Common Share held at all such meetings.

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15522387

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2380325

8. The issue, transfer or ownership of shares is/is not restricted and the restrictions (if any) are as follows:

L'émission, le transfert ou la propriété d'actions est/n'est pas restreinte. Les restrictions, s'il y a lieu, sont les suivantes:

No securities, other than non-convertible debt securities, may be transferred without either:

(a) the approval of the directors of the Corporation expressed by a resolution passed by the board of directors of the Corporation at a meeting of the directors or by an instrument or instruments in writing signed by all of the directors, or

(b) the approval of the holders of a majority of the voting shares of the Corporation for the time being outstanding expressed by a resolution passed by the shareholders or by an instrument or instruments in writing signed by the holders of all of such shares.

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Ontario Corporation Number
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2380325

9. Other provisions, (if any, are):
Autres dispositions, s'il y a lieu:

1. The outstanding securities, excluding non-convertible debt securities, of the Corporation may be beneficially owned, directly or indirectly, by not more than 50 persons, exclusive of employees and former employees of the Corporation or its affiliates,

provided that:

A. each person is counted as one beneficial owner unless the person is created or used solely to purchase or hold securities of the Corporation in which case each beneficial owner or each beneficiary of the person, as the case may be, must be counted as a separate beneficial owner; and

B. the Corporation may not distribute securities to a person unless such person purchases the securities as principal and is:

- (a) a director, officer, employee, founder or control person of the Corporation,
- (b) a director, officer or employee of an affiliate of the Corporation;
- (c) a spouse, parent, grandparent, brother, sister, child or grandchild of a director, executive officer, founder or control person of the Corporation,
- (d) a parent, grandparent, brother, sister, child or grandchild of the spouse of a director, executive officer, founder or control person of the Corporation,
- (e) a close personal friend of a director, executive officer, founder or control person of the Corporation,
- (f) a close business associate of a director, executive officer, founder or control person of the Corporation,
- (g) a spouse, parent, grandparent, brother, sister, child or grandchild of the selling security holder or of the selling security holder's spouse,
- (h) a security holder of the Corporation,
- (i) an accredited investor,
- (j) a person of which a majority of the voting securities are beneficially owned by, or a majority of the directors are, persons described in paragraphs (a) to (i),

Request ID / Demande n°
15522387

Ontario Corporation Number
Numéro de la compagnie en Ontario
2380325

9. Other provisions, (if any, are):
Autres dispositions, s'il y a lieu:

(k) a trust or estate of which all of the beneficiaries or a majority of the trustees or executors are persons described in paragraphs (a) to (i),
or

(l) a person that is not the public; or

C. the Corporation has completed a transaction and immediately following the completion of the transaction, its securities were beneficially owned only by persons described in subsection B. and since the completion of the transaction has distributed its securities only to persons described in subsection B,

as any of these terms may be defined, from time to time, in National Instrument 45-106 Prospectus and Registration Exemptions, as same may be modified or amended.

2. The Corporation has a lien on a share registered in the name of a shareholder or his legal representative for a debt of that shareholder to the Corporation.

Request ID / Demande n°
15522387

Ontario Corporation Number
Numéro de la compagnie en Ontario
2380325

10. The names and addresses of the incorporators are
Nom et adresse des fondateurs

First name, initials and last name
or corporate name

*Prénom, initiale et nom de
famille ou dénomination sociale*

Full address for service or address of registered office or of principal place of business
giving street & No. or R.R. No., municipality and postal code
*Domicile élu, adresse du siège social au adresse de l'établissement principal, y compris
la rue et le numéro, le numéro de la R.R., le nom de la municipalité et le code postal*

* ANDREW INGRAM

1 RICHMOND STREET WEST Suite 500

TORONTO ONTARIO
CANADA M5H 3W4

Attachment F – Correspondence with Ministry of Natural Resources



RE: Goulais Wind Farm - Renewable Energy Approval Modification Document

From Simard, Julie (MNR) <julie.simard@ontario.ca>

Date Wed 7/30/2025 1:55 PM

To Irene Davies <irene.davies@avaanz.ca>

Cc Lindenburger, Ruth (MNR) <Ruth.Lindenburger@ontario.ca>; Mark van der Woerd <mark.vanderwoerd@avaanz.ca>; knagothu@capstoneinfra.com <knagothu@capstoneinfra.com>; shealey@capstoneinfra.com <shealey@capstoneinfra.com>; wabdulaal@capstoneinfra.com <wabdulaal@capstoneinfra.com>; Romic, Zeljko (MECP) <Zeljko.Romic@ontario.ca>; Doll, Kendrick (MECP) <Kendrick.Doll@ontario.ca>; REA program delivery (MECP) <REAprgramdelivery@ontario.ca>; Thompson, Melinda (MNR) <Melinda.Thompson@ontario.ca>

Hello Irene

Based on the Modification Document that you have provided, we agree with your assessment that the proposed change to update the maximum rating of each turbine to 2.5 MW from previously 2.3 MW will result in no changes to natural features affected by the project.

Upon review of the modifications, MNR is satisfied that the Natural Heritage Assessment requirements of Ontario Regulation 359/09 have been met. Please add this email as an addendum to the confirmation letter issued November 2012 for Goulais Wind Farm.

Thank you,

Julie Simard (pronouns: she, her, hers)

A/Land Use Planning Supervisor |Southern Region, Regional Operations Division

Ontario Ministry of Natural Resources | Ontario Public Service

Cell: 705-761-9364 | julie.simard@ontario.ca



Taking pride in strengthening Ontario, its places and its people



Please note: As part of providing [accessible customer service](#), if you have any accommodation needs, require communication supports, or alternate formats please let me know.

From: Irene Davies <irene.davies@avaanz.ca>

Sent: Tuesday, July 29, 2025 3:47 PM

To: Simard, Julie (MNR) <julie.simard@ontario.ca>

Cc: Lindenburger, Ruth (MNR) <Ruth.Lindenburger@ontario.ca>; Mark van der Woerd <mark.vanderwoerd@avaanz.ca>; knagothu@capstoneinfra.com; shealey@capstoneinfra.com; wabdulaal@capstoneinfra.com; Romic, Zeljko (MECP) <Zeljko.Romic@ontario.ca>; Doll, Kendrick (MECP) <Kendrick.Doll@ontario.ca>; REA program delivery (MECP) <REAprgramdelivery@ontario.ca>
Subject: Re: Goulais Wind Farm - Renewable Energy Approval Modification Document

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.
Hi Julie,

Thank you for your quick reply. We were directed by MECP (Kendrick) to submit the application to MNR for your review to confirm you did not have any issues or concerns related to the NHA and that you agree, no changes are needed to the NHA.

Following your confirmation that no changes are needed to the NHA, we will resubmit our REA amendment to MECP for their review and approval. The submission will include a copy of our correspondence.

Let me know if you have any questions or would like to have a quick call to discuss.

Thanks,

Irene

From: Simard, Julie (MNR) <julie.simard@ontario.ca>
Sent: Tuesday, July 29, 2025 1:21 PM
To: Irene Davies <irene.davies@avaanz.ca>
Cc: Lindenburger, Ruth (MNR) <Ruth.Lindenburger@ontario.ca>; Mark van der Woerd <mark.vanderwoerd@avaanz.ca>; knagothu@capstoneinfra.com <knagothu@capstoneinfra.com>; shealey@capstoneinfra.com <shealey@capstoneinfra.com>; wabdulaal@capstoneinfra.com <wabdulaal@capstoneinfra.com>; Romic, Zeljko (MECP) <Zeljko.Romic@ontario.ca>; Doll, Kendrick (MECP) <Kendrick.Doll@ontario.ca>; REA program delivery (MECP) <REAprgramdelivery@ontario.ca>
Subject: RE: Goulais Wind Farm - Renewable Energy Approval Modification Document

Some people who received this message don't often get email from julie.simard@ontario.ca. [Learn why this is important](#)

Good afternoon Irene,

I have reviewed the information you provided and am pleased to respond.

The Ministry of the Environment, Conservation and Parks (MECP) is the regulatory agency for REA projects and is responsible for all matters related to REA amendments. Please direct your request to MECP. To assist in this redirect, I have cc'd MECPs REA program inbox and two people at MECP who should be able to help you find the appropriate staff person(s) for your request.

Best,

Julie Simard (pronouns: she, her, hers)
A/Land Use Planning Supervisor | Southern Region, Regional Operations Division
Ontario Ministry of Natural Resources | Ontario Public Service
Cell: 705-761-9364 | julie.simard@ontario.ca



Taking pride in strengthening Ontario, its places and its people



Please note: As part of providing accessible customer service, if you have any accommodation needs, require communication supports, or alternate formats please let me know.

From: Irene Davies <irene.davies@avaanz.ca>

Sent: Thursday, July 24, 2025 4:03 PM

To: Lindenburger, Ruth (MNR) <Ruth.Lindenburger@ontario.ca>; Simard, Julie (MNR) <julie.simard@ontario.ca>

Cc: Mark van der Woerd <mark.vanderwoerd@avaanz.ca>; Keerthi Nagothu <knagothu@capstoneinfra.com>; Syd Healey <shealey@capstoneinfra.com>; wabdulaal@capstoneinfra.com

Subject: Goulais Wind Farm - Renewable Energy Approval Modification Document

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.
Hello Ruth and Julie,

We are supporting our client with the submission of an amendment application to Renewable Energy Approval NO 3507-9ABJWH (attached here for your reference) for the Goulais Wind Farm. As you will see in the Modification Document, Goulais wishes to amend the REA to allow for additional operational flexibility and to update the company name to reflect the new corporate structure. I have attached the supporting Modification Document for your review and to see if you have any feedback.

I left you both a voicemail to let you know this document was on its way. Can you please confirm your receipt of the files and let us know how long it might take for you to review?

Thanks in advance for your time and please don't hesitate to reach out with any questions.

Irene



Irene Davies (She/Her)

Senior Environmental Planner

Phone: [204-223-9748](tel:204-223-9748)

Website: avaanz.ca

Central Time Zone

Attachment G – Notice of a Proposed Change to an Approved Renewable Energy Project

NOTICE OF PROPOSED CHANGE TO AN APPROVED RENEWABLE ENERGY PROJECT

Project Name: Goulais Wind Farm

Renewable Energy Approval Number: 3507-9ABJWH

IESO Reference Number: F-000662-WIN-130-601

Project Location: Section 12, Unorganized Township of Pennefather, District of Algoma (north of Sault Ste. Marie)

Dated at District of Algoma this the 3rd day of November, 2025.

Chi-Wiikwedong LP, by its general partner Chi-Wiikwedong Holdings LP, by its general partner Chi-Wiikwedong GP Inc. (Goulais) was issued a Renewable Energy Approval on October 4, 2013 and amended on September 3, 2014, in respect of the Goulais Wind Farm. Information with respect to the decision on this project can be viewed at <https://capstoneinfrastructure.com/our-businesses/operating-facilities/Goulais-Wind>.

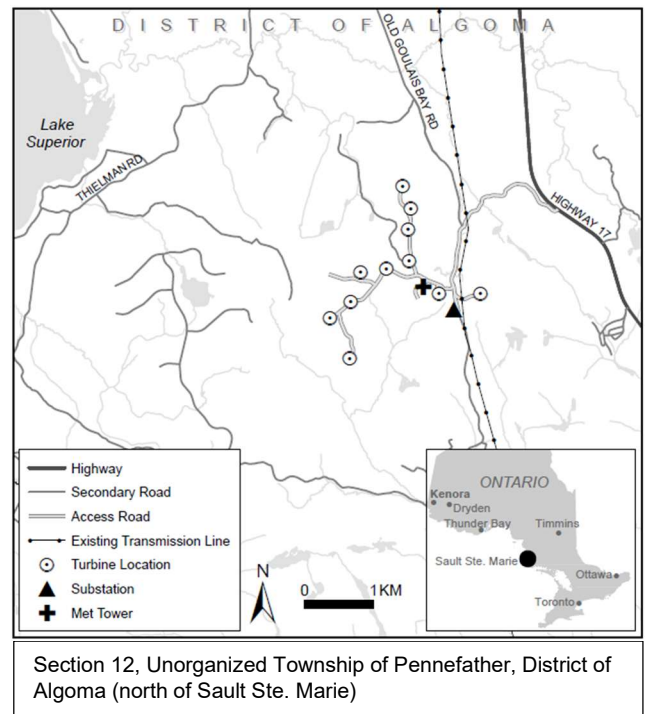
Goulais is proposing to make a change to the project and the project itself is subject to the provisions of the *Environmental Protection Act (Act)* Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 32.2 of the Regulation. This notice is being distributed to make the public aware of a **proposed change to the project**.

Project Description and Proposed Change:

Pursuant to the Act and Regulation, the project in respect of which the Renewable Energy Approval (REA) was issued, is a Class 4 Wind Facility.

An application has been made to the Ministry of Environment, Conservation and Parks (MECP) to **change the project** and alter the terms and conditions of the existing Renewable Energy Approval as follows:

- The Project is proposing to amend the REA to update the maximum rating of each turbine to 2.5 MW from 2.3 MW to allow for operational flexibility. If approved with this change, this facility will continue to have a total maximum name plate capacity of 25 MW. The project location, taking the proposed change into account, remains the same and is described in the map below.
- Corporate Name Change. The name of the general partner of Chi-Wiikwedong LP is now Chi-Wiikwedong Holdings LP.



Documents for Public Inspection:

Goulais has prepared a Modification Document to form part of the application to be submitted to the MECP. The Modification Document details the changes that are required to the supporting REA documents to reflect the amended approval. A written copy of the draft Modification Document is available at <https://capstoneinfrastructure.com/our-businesses/operating-facilities/Goulais-Wind>.

Project Contacts and Information:

To learn more about the project proposal or to communicate concerns, please contact:

Naithen Joseph, njoseph@capstoneinfra.com

<https://capstoneinfrastructure.com/our-businesses/operating-facilities/Goulais-Wind>

Attachment H - REA Amendment Notification Project Contact List

Goulais Wind Project - Public and Agency Contacts

First Name	Last Name	Agency	Position	Address	City	Province	Postal Code	Phone Number	Fax / Email
Karen	Bell	Garden River First Nation	Chief	7 Shingwauk Street	Garden River	ON	P6A 7A9	(705) 946-6300	karenbell@gardenriver.org
Chad	Edgar	Michipicoten First Nation	Chief	P.O. Box 1, Site 8, RR#1	Wawa	ON	P0S 1K0	(705) 856-1993 ext. 215	c.edgar@michipicoten.com
Mark	McCoy	Batchewana First Nation	Chief	236 Frontenac Street	Batchewana First Nation	ON	P6A 6Z1	(705) 759-0914	info@batchewana.com
Stephen	Gjos	MNO Historical Sault Ste. Marie Métis Council	President	136 John St	Sault Ste. Marie	ON	P6A 1P1		whitewolfclan61@gmail.com
Keith	Bell	Algoma District Services Administration Board	Chief Administrative Officer	1 Collver Road	Thessalon	ON	P0R 1L0	705-842-3370 Ext. 247	kbell@adsab.on.ca
Kelly	Lasook	Fenwick, Pennefather & Vankoughnet Local Roads Board	Secretary / Treasurer	108 Grant Road	Goulais River	ON	P0S 1E0	705-910-1770	fpvlrb@gmail.com
		Aweres Local Roads Board #1							
		#2							
		Vankoughnet and Aweres Local Roads Board							
Tom	Bye	Goulais Local Services Board	Secretary / Treasurer	50 Goulais Bay Rd	Algoma, Unorganized, North Part	ON	P0S 1E0	705-257-8641	goulaislsb@hotmail.ca
Linda	Rutledge	Aweres Local Services Board	Secretary / Treasurer	399 A Hwy 17N	Algoma Unorganized North Part	ON	P6A 5K7	705-777-3439	localservicesboardofaweres@shaw.ca bruce@trouthouse.ca lindarutledge@shaw.ca
Jessica	Boyer	Salt Ste. Marie North Planning Board	Administrative & Communications Assistant	1100 Fifth Line East	Sault Ste. Marie	ON	P6A 5K7	(705) 254-6649	info@ssmnpb.ca
Leigh	Colpitts	Ministry of Natural Resources, Sault Ste. Marie Office	District Manager	64 Church St	Sault Ste. Marie	ON	P6A 3H3	705-255-2697	leigh.colpitts@ontario.ca
		NAV Canada Land Use Office		151 Slater Street, Suite 120	Ottawa	ON	K1P 5H3	1-613-563-5588	landuse@navcanada.ca
		Transport Canada Ontario Regional Office		4900 Yonge St, Suite 300	North York	ON	M2N 6A5	1-800-305-2059	aviation.ont@tc.gc.ca
Rachel	Tyczinski	City of Sault Ste. Marie	City Clerk	99 Foster Drive	Sault Ste. Marie	ON	P6A 5X6	705-759-5388	cityclerk@cityssm.on.ca

Attachment I – Correspondence with REA Amendment Notification Project Contact List

Jenny Phan

From: Jenny Phan
Sent: November 3, 2025 9:39 AM
Cc: Irene Davies; njoseph@capstoneinfra.com
Subject: Goulais Wind Project - Notice of Proposed Change to an Approved Renewable Energy Project
Attachments: 2025-11-03_Notice of Proposed Change to an Approved Renewable Energy Project.pdf

Good morning,


On behalf of our clients Chi-Wiikwedong Holdings LP, I am reaching out to inform you of some upcoming technical changes at the Goulais Wind Farm (the Project). The Project team is working with the turbine manufacturer, Siemens Energy, to increase the maximum output of each turbine from 2.3 MW to 2.5 MW, while maintaining the overall substation capacity at 25 MW. This adjustment is strictly for efficiency purposes and will help ensure the Project consistently operates at maximum capacity. For instance, when a turbine is offline for maintenance, the remaining units will be able to generate additional power to compensate for the offline tower.

Although this is not considered a major project change, an amendment to the Project's Renewable Energy Approval is required to be submitted to the Ministry of Conservation, Environment and Parks (MECP) to reflect the updated turbine capacity. As part of this amendment, the company name will also be updated from **Chi-Wiikwedong LP** to **Chi-Wiikwedong Holdings LP**.

In accordance with O.Reg 359/09, the Project is notifying participating and adjoining landowners, local Indigenous communities, local governments and service boards, and publishing a notice in the local newspaper. Please see the attached Notice of Proposed Change to an Approved Renewable Energy Project.

Should you have any questions or concerns, please don't hesitate to contact the site manager, Naithen M. Joseph, directly by email njoseph@capstoneinfra.com or by phone **705-971-1668**.

Regards,


Jenny Phan
Environmental and Socio-Economic
Consultant
Phone: (519) 697-4772
—Eastern Time Zone
Website: avaanz.ca
A \ / A A \ I

Goulais Wind Project - Notice of Proposed Change to an Approved Renewable Energy Project



Jenny Phan

To

Cc Irene Davies; njoseph@capstoneinfra.com

Bcc 'shealey@capstoneinfra.com'; 'kbell@adsab.on.ca'; 'fpvlrb@gmail.com'; 'goulaislb@hotmail.ca'; 'localservicesboardofaweres@shaw.ca'; 'bruce@trouthouse.ca';
 'lindarutledge@shaw.ca'; 'info@ssmnpb.ca'; 'leigh.colpitts@ontario.ca'; 'landuse@navcanada.ca'; 'aviation.ont@tc.gc.ca'; 'cityclerk@cityssm.on.ca'



2025-11-03_Notice of Proposed Change to an Approved Renewable Energy Project.pdf
406 KB



Reply



Reply All



Forward



Mon 2025-11-03 9:39 AM

Good morning,

On behalf of our clients Chi-Wiikwedong Holdings LP, I am reaching out to inform you of some upcoming technical changes at the Goulais Wind Farm (the Project). The Project team is working with the turbine manufacturer, Siemens Energy, to increase the maximum output of each turbine from 2.3 MW to 2.5 MW, while maintaining the overall substation capacity at 25 MW. This adjustment is strictly for efficiency purposes and will help ensure the Project consistently operates at maximum capacity. For instance, when a turbine is offline for maintenance, the remaining units will be able to generate additional power to compensate for the offline tower.

Although this is not considered a major project change, an amendment to the Project's Renewable Energy Approval is required to be submitted to the Ministry of Conservation, Environment and Parks (MECP) to reflect the updated turbine capacity. As part of this amendment, the company name will also be updated from **Chi-Wiikwedong LP** to **Chi-Wiikwedong Holdings LP**.

In accordance with O.Reg 359/09, the Project is notifying participating and adjoining landowners, local Indigenous communities, local governments and service boards, and publishing a notice in the local newspaper. Please see the attached Notice of Proposed Change to an Approved Renewable Energy Project.

Should you have any questions or concerns, please don't hesitate to contact the site manager, Naithen M. Joseph, directly by email njoseph@capstoneinfra.com or by phone **705-971-1668**.

Regards,



Jenny Phan

Environmental and Socio-Economic
Consultant

Phone: (519) 697-4772

Eastern Time Zone

Website: avaanz.ca

Attachment J – REA Amendment Notification in Public Newspapers

SPONSORED CONTENT

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Notice of proposed change to an approved renewable energy project

Nov 3, 2025 7:00 AM



[Listen to this article](#)

00:03:21

Project Name: Goulais Wind Farm

Renewable Energy Approval Number: 3507-9ABJWH

IESO Reference Number: F-000662-WIN-130-601

Project Location: Section 12, Unorganized Township of Pennefather, District of Algoma (north of Sault Ste. Marie)

Dated at District of Algoma this the 3rd day of November, 2025.

Chi-Wiikwedong LP, by its general partner Chi-Wiikwedong Holdings LP, by its general partner Chi-Wiikwedong GP Inc. (Goulais) was issued a Renewable Energy Approval on October 4, 2013 and amended on September 3, 2014, in respect of the Goulais Wind Farm. Information with respect to the decision on this project [can be viewed here](#).

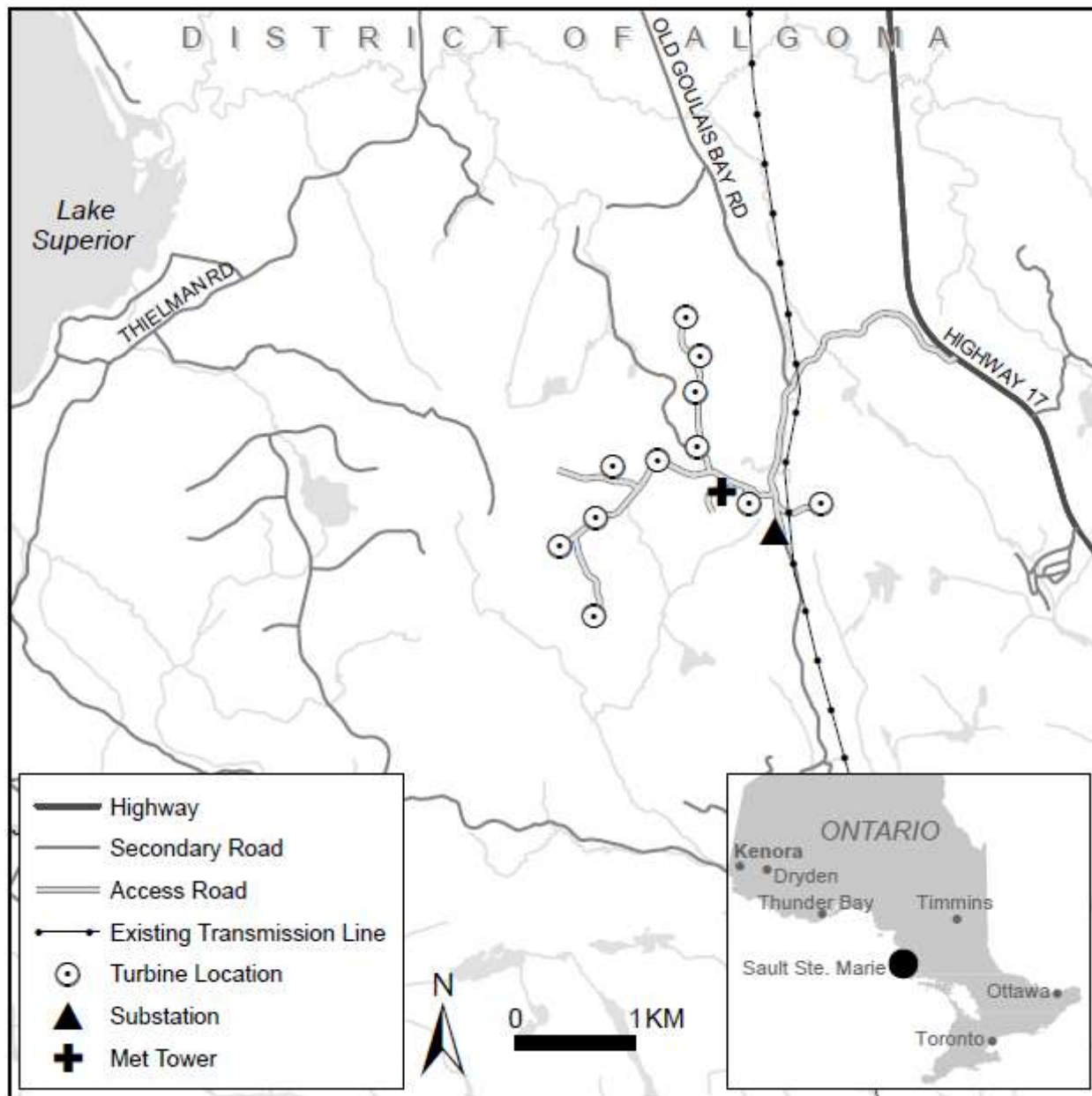
Goulais is proposing to make a change to the project and the project itself is subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 32.2 of the Regulation. This notice is being distributed to make the public aware of a proposed change to the project.

Project Description and Proposed Change:

Pursuant to the Act and Regulation, the project in respect of which the Renewable Energy Approval (REA) was issued, is a Class 4 Wind Facility.

An application has been made to the Ministry of Environment, Conservation and Parks (MECP) to change the project and alter the terms and conditions of the existing Renewable Energy Approval as follows:

- The Project is proposing to amend the REA to update the maximum rating of each turbine to 2.5 MW from 2.3 MW to allow for operational flexibility. If approved with this change, this facility will continue to have a total maximum name plate capacity of 25 MW. The project location, taking the proposed change into account, remains the same and is described in the map below.



Section 12, Unorganized Township of Pennefather, District of Algoma (north of Sault Ste. Marie)

- Corporate Name Change. The name of the general partner of Chi-Wiikwedong LP is now Chi-Wiikwedong Holdings LP.

Documents for Public Inspection:

Goulais has prepared a Modification Document to form part of the application to be submitted to the MECP. The Modification Document details the changes that are required to the supporting REA documents to reflect the amended approval. [A written copy of the draft Modification Document is available here.](#)

Project Contacts and Information:

To learn more about the project proposal or to communicate concerns, please contact:

- Naithen Joseph, njoseph@capstoneinfra.com
- <https://capstoneinfrastructure.com/our-businesses/operating-facilities/Goulais-Wind>

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BOB DAVIES

BUSHPLANE CRAFT SHOW Chanelle and Adam Martelli take in the sights and scents at one of the vendor stations during the Holiday Gift and Craft Show held Saturday morning at the Canadian Bushplane Heritage Centre. The couple travelled from Dubreuilville, for the event and to visit family in Sault Ste. Marie. The annual craft show brought together dozens of local and regional artisans offering visitors a chance to browse hand-made goods, holiday décor, jewelry, soaps, candles, baked treats, and seasonal gifts. The event marked the start of the local holiday shopping season and runs over one more weekend — Nov. 8-9.

Psychotherapy master’s program information session planned

Algoma University will host an information session on Monday, Nov. 10 to present its newly approved Master of Psychotherapy program, the first graduate program of its kind in Northern Ontario.

The MAP program was developed

in collaboration with community partners to address the region’s growing need for mental health services, says a media release.

It is meant to prepare graduates to deliver clinical care that supports individual well-being and strengthens community re-

silience. The session will offer an overview of the program’s structure, admission requirements, and opportunities for clinical practice and community-based internships.

The event will take place from 6 p.m. to 8 p.m. at the Convergence

Centre (Room CC201) on Algoma University’s Sault Ste. Marie campus.

Presentations will be led by Dr. Teryn Bruni, Assistant Professor and Program Planning Lead in the School of Psychology.

Attendees — including prospective students, professionals in related fields, and community members — will have the opportunity to engage with faculty, ask questions at dedicated Q&A tables, and learn more about practicum placements and flexible study options.

From a media release

Sault Museum exhibit explores nature through art

Sault Ste. Marie Museum will host the opening of its latest exhibition, *A Fragile Beauty*, on Thursday, Nov. 6, from 6:30 to 9:30 p.m.

The exhibit features works by artists Gordon Burke, Michael Burtch, and Annie King, and includes sculpture, painting, multimedia pieces, ceramics, and natural specimens.

The exhibition centers on themes inspired by butterflies, moths, and small birds. The artists use these subjects to explore broader environmental concerns, including threats to biodiversity and ecological balance, says a media release from the museum. Their work also reflects aspects of natural wonder, such as the metamorphosis and migration of monarch butterflies, the attraction of moths to light, and the coordinated flight patterns of starlings.

Michael Burtch presents wall-mounted sculptures that combine human forms with butterfly wings, emphasizing the interconnectedness of life. Annie King contributes sculpted collages and suspended starling figures, cast in clear material and designed to move with air currents, symbolizing cycles of life and renewal. Gordon Burke showcases ceramic pieces that highlight the beauty and transformation of butterflies, alongside a global collection of butterfly specimens.

The exhibit continues until Tuesday, Dec. 16.

From a media release

NOTICE OF PROPOSED CHANGE TO AN APPROVED RENEWABLE ENERGY PROJECT

Project Name: Goulais Wind Farm

Renewable Energy Approval Number: 3507-9ABJWH

IESO Reference Number: F-000662-WIN-130-601

Project Location: Section 12, Unorganized Township of Pennefather, District of Algoma (north of Sault Ste. Marie)

Dated at District of Algoma this the 3rd day of November, 2025.

Chi-Wiikwedong LP, by its general partner Chi-Wiikwedong Holdings LP, by its general partner Chi-Wiikwedong GP Inc. (Goulais) was issued a Renewable Energy Approval on October 4, 2013 and amended on September 3, 2014, in respect of the Goulais Wind Farm. Information with respect to the decision on this project can be viewed at <https://capstoneinfrastructure.com/our-businesses/operating-facilities/Goulais-Wind>.

Goulais is proposing to make a change to the project and the project itself is subject to the provisions of the *Environmental Protection Act (Act)* Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 32.2 of the Regulation. This notice is being distributed to make the public aware of a **proposed change to the project**.

Project Description and Proposed Change:

Pursuant to the Act and Regulation, the project in respect of which the Renewable Energy Approval (REA) was issued, is a Class 4 Wind Facility.

An application has been made to the Ministry of Environment, Conservation and Parks (MECP) to **change the project** and alter the terms and conditions of the existing Renewable Energy Approval as follows:

- The Project is proposing to amend the REA to update the maximum rating of each turbine to 2.5 MW from 2.3 MW to allow for operational flexibility. If approved with this change, this facility will continue to have a total maximum name plate capacity of 25 MW. The project location, taking the proposed change into account, remains the same and is described in the map below.
- Corporate Name Change. The name of the general partner of Chi-Wiikwedong LP is now Chi-Wiikwedong Holdings LP.

Documents for Public Inspection:

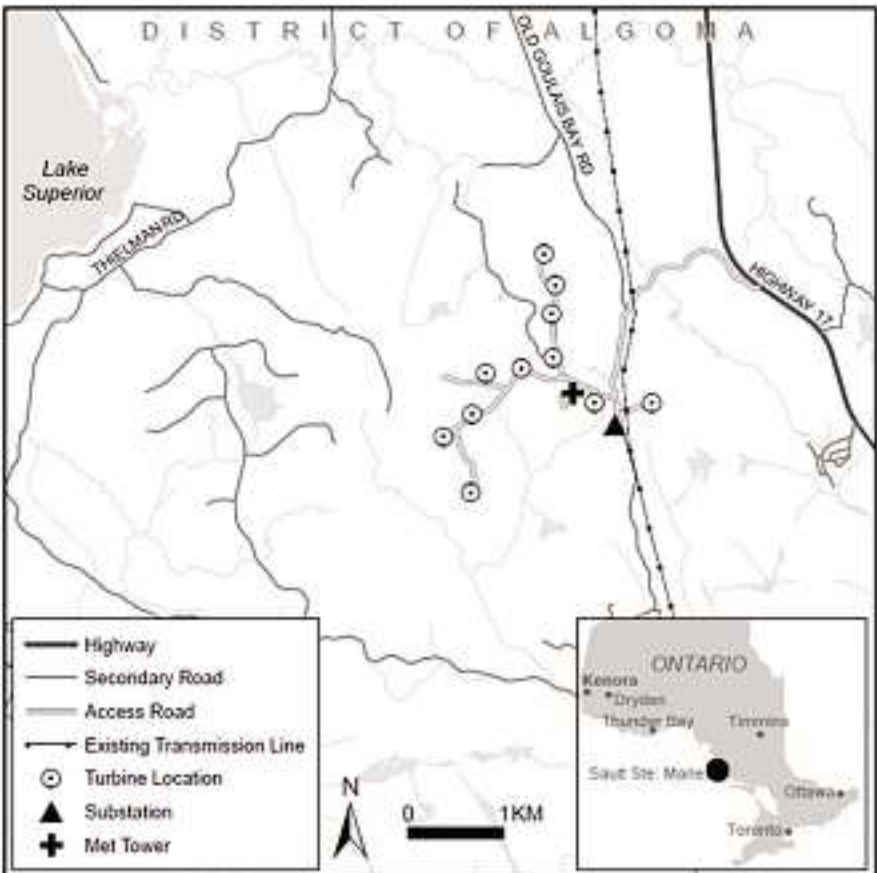
Goulais has prepared a Modification Document to form part of the application to be submitted to the MECP. The Modification Document details the changes that are required to the supporting REA documents to reflect the amended approval. A written copy of the draft Modification Document is available at <https://capstoneinfrastructure.com/our-businesses/operating-facilities/Goulais-Wind>.

Project Contacts and Information:

To learn more about the project proposal or to communicate concerns, please contact:

Naithen Joseph, njoseph@capstoneinfra.com

<https://capstoneinfrastructure.com/our-businesses/operating-facilities/Goulais-Wind>



Section 12, Unorganized Township of Pennefather, District of Algoma (north of Sault Ste. Marie)

Attachment K – Correspondence with Indigenous Communities



Outlook

Notice of Technical Changes to the Goulais Windfarm

From Naithen Joseph <njoseph@Capstoneinfra.com>

Date Tue 10/28/2025 10:33 AM

To Patrick Murray <patrick.murray@batchewana.ca>; Jim Tait <jim.tait@batchewana.ca>

 1 attachment (400 KB)

2025-10-21_Notice of Proposed Change to an Approved Renewable Energy Project_FINAL.pdf;

Good Morning Jim & Patrick,

I'm reaching out to inform you of some upcoming technical changes at the Goulais Wind Farm. We are working with the turbine manufacturer, Siemens Energy, to increase the maximum output of each turbine from 2.3 MW to 2.5 MW, while maintaining the overall substation capacity at 25 MW. This adjustment is strictly for efficiency purposes and will help ensure the project consistently operates at maximum capacity. For instance, when a turbine is offline for maintenance, the remaining units will be able to generate additional power to compensate for the offline tower.

Although this is not considered a major project change, we are required to amend our Renewable Energy Agreement with the Ministry to reflect the updated turbine capacity. As part of this amendment, the company name will also be updated from **Chi-Wiikwedong LP** to **Chi-Wiikwedong Holdings LP**.

In accordance with the Ministry's requirements, we will be providing notice to participant and adjoining landowners, local Indigenous groups, local service boards, as well as publishing a notice in the local newspaper. I wanted to personally inform you in advance, before these public notices are issued.

Please forward this to anyone in your organization who should have been copied. If you have any questions or concerns, please don't hesitate to contact me directly at **705-971-1668**.

Regards,

Naithen M. Joseph, B.Tech., C.E.T.

Site Manager, Goulais Wind Farm

CAPSTONE INFRASTRUCTURE CORPORATION

Direct 1 (705) 649-4444 ext. 1

Mobile 1 (705) 971-1668

Email njoseph@Capstoneinfra.com

Web www.capstoneinfrastructure.com

Jenny Phan

From: Jenny Phan
Sent: November 3, 2025 9:29 AM
To: 'karenbell@gardenriver.org'
Cc: Irene Davies; 'njoseph@capstoneinfra.com'
Subject: Goulais Wind Project - Notice of Proposed Change to an Approved Renewable Energy Project
Attachments: 2025-11-03_Notice of Proposed Change to an Approved Renewable Energy Project.pdf

Good morning Chief Bell,


On behalf of our clients Chi-Wiikwedong Holdings LP, I am reaching out to inform you of some upcoming technical changes at the Goulais Wind Farm (the Project). The Project team is working with the turbine manufacturer, Siemens Energy, to increase the maximum output of each turbine from 2.3 MW to 2.5 MW, while maintaining the overall substation capacity at 25 MW. This adjustment is strictly for efficiency purposes and will help ensure the Project consistently operates at maximum capacity. For instance, when a turbine is offline for maintenance, the remaining units will be able to generate additional power to compensate for the offline tower.

Although this is not considered a major project change, an amendment to the Project's Renewable Energy Approval is required to be submitted to the Ministry of Conservation, Environment and Parks (MECP) to reflect the updated turbine capacity. As part of this amendment, the company name will also be updated from **Chi-Wiikwedong LP** to **Chi-Wiikwedong Holdings LP**.

In accordance with O.Reg 359/09, the Project is notifying participating and adjoining landowners, local Indigenous communities, local governments and service boards, and publishing a notice in the local newspaper. Please see the attached Notice of Proposed Change to an Approved Renewable Energy Project.

Should you have any questions or concerns, please don't hesitate to contact the site manager, Naithen M. Joseph, directly by email njoseph@capstoneinfra.com or by phone **705-971-1668**.

Regards,


Jenny Phan
Environmental and Socio-Economic
Consultant
Phone: (519) 697-4772
Eastern Time Zone
Website: avaanz.ca

Jenny Phan

From: Jenny Phan
Sent: November 3, 2025 9:35 AM
To: whitewolfclan61@gmail.com
Cc: Irene Davies; njoseph@capstoneinfra.com
Subject: Goulais Wind Project - Notice of Proposed Change to an Approved Renewable Energy Project
Attachments: 2025-11-03_Notice of Proposed Change to an Approved Renewable Energy Project.pdf

Good morning President Gjos,


On behalf of our clients Chi-Wiikwedong Holdings LP, I am reaching out to inform you of some upcoming technical changes at the Goulais Wind Farm (the Project). The Project team is working with the turbine manufacturer, Siemens Energy, to increase the maximum output of each turbine from 2.3 MW to 2.5 MW, while maintaining the overall substation capacity at 25 MW. This adjustment is strictly for efficiency purposes and will help ensure the Project consistently operates at maximum capacity. For instance, when a turbine is offline for maintenance, the remaining units will be able to generate additional power to compensate for the offline tower.

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Should you have any questions or concerns, please don't hesitate to contact the site manager, Naithen M. Joseph, directly by email njoseph@capstoneinfra.com or by phone **705-971-1668**.

Regards,


Jenny Phan
Environmental and Socio-Economic
Consultant
Phone: (519) 697-4772
Eastern Time Zone
Website: avaanz.ca

Jenny Phan

From: Jenny Phan
Sent: November 3, 2025 9:33 AM
To: c.edgar@michipicoten.com
Cc: Irene Davies; njoseph@capstoneinfra.com
Subject: Goulais Wind Project - Notice of Proposed Change to an Approved Renewable Energy Project
Attachments: 2025-11-03_Notice of Proposed Change to an Approved Renewable Energy Project.pdf

Good morning Chief Edgar,


On behalf of our clients Chi-Wiikwedong Holdings LP, I am reaching out to inform you of some upcoming technical changes at the Goulais Wind Farm (the Project). The Project team is working with the turbine manufacturer, Siemens Energy, to increase the maximum output of each turbine from 2.3 MW to 2.5 MW, while maintaining the overall substation capacity at 25 MW. This adjustment is strictly for efficiency purposes and will help ensure the Project consistently operates at maximum capacity. For instance, when a turbine is offline for maintenance, the remaining units will be able to generate additional power to compensate for the offline tower.

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In accordance with O.Reg 359/09, the Project is notifying participating and adjoining landowners, local Indigenous communities, local governments and service boards, and publishing a notice in the local newspaper. Please see the attached Notice of Proposed Change to an Approved Renewable Energy Project.

Should you have any questions or concerns, please don't hesitate to contact the site manager, Naithen M. Joseph, directly by email njoseph@capstoneinfra.com or by phone **705-971-1668**.

Regards,


Jenny Phan
Environmental and Socio-Economic
Consultant
Phone: (519) 697-4772
Eastern Time Zone
Website: avaanz.ca


Jenny Phan

From: Jenny Phan
Sent: October 8, 2025 12:52 PM
To: 'SSM Metis Heritage Centre'
Subject: RE: Goulais Wind Project - E-newsletter Submission

Hi Mary,

Thanks so much for your quick response. We understand and appreciate your time!

All the best,


Jenny Phan
Environmental and Socio-Economic
Consultant
Phone: (519) 697-4772
Eastern Time Zone
Website: avaanz.ca

From: SSM Metis Heritage Centre <info@ssmmetisheritage.ca>
Sent: October 8, 2025 11:48 AM
To: Jenny Phan <jenny.phan@avaanz.ca>
Subject: RE: Goulais Wind Project - E-newsletter Submission

Hello,

We don't typically include notifications from third parties in our e-newsletter. It is for sharing updates about the Heritage Centre and its activities, and news or events regarding the Metis community both locally and province-wide.

While we agree renewable energy is an important topic, in this instance it does not relate to the Metis people or the Metis Heritage Centre community directly, and so we would not include it.

Thank you for understanding.

Mary Williams

Curator

info@ssmmetisheritage.ca



Sault Ste. Marie

From: Jenny Phan <jenny.phan@avaanz.ca>
Sent: October 8, 2025 10:52 AM
To: SSM Metis Heritage Centre <info@ssmmetisheritage.ca>
Cc: Irene Davies <irene.davies@avaanz.ca>
Subject: Goulais Wind Project - E-newsletter Submission

Hello,

I am working on the Goulais Wind project and would like to publish a notification related to a Renewable Energy Approval (REA) amendment in your next upcoming monthly community e-newsletter. Can you please advise on what the deadline for submission for publication in the November newsletter edition is and if there are any other requirements we should be aware of before we submit?

Thank you in advance for your time!

King regards,



Jenny Phan

Environmental and Socio-Economic
Consultant

Phone: (519) 697-4772

—Eastern Time Zone

Website: avaanz.ca

Jenny Phan

From: Jenny Phan
Sent: November 5, 2025 11:28 AM
To: 'Michipicoten Communications'
Cc: Irene Davies
Subject: RE: Goulais Wind Project - November Community Flyer Submission

Hi Ashley,

Thanks for letting us know! If you could post the notice in the community that would be much appreciated.

All the best,
Jenny

From: Michipicoten Communications <communications@michipicoten.com>
Sent: November 5, 2025 9:16 AM
To: Jenny Phan <jenny.phan@avaanz.ca>
Cc: Irene Davies <irene.davies@avaanz.ca>
Subject: RE: Goulais Wind Project - November Community Flyer Submission

Good morning Jenny,

The weekly flyer is only circulated to our on-reserve members, so I don't think the submission you provided is relevant to be included. However, we can post it in all MFN buildings for members to see.

Miigwetch / Thank You,

Ashley Omolida
Operations Admin Assistant / Communications Coordinator
T: 705-856-1993 ext 222
C: 705-914-0940
F: 705-856-1642
E: a.omolida@michipicoten.com
W: www.michipicoten.com

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 Please consider the environment before printing this e-mail

From: Jenny Phan <jenny.phan@avaanz.ca>
Sent: November 3, 2025 10:32 AM
To: Michipicoten Communications <communications@michipicoten.com>
Cc: Irene Davies <irene.davies@avaanz.ca>
Subject: RE: Goulais Wind Project - November Community Flyer Submission

Hello Ashley,

I hope you had a great weekend! I am following up with the final copy of the notification for the Goulais Wind project. Please see attached PDF. If you require a different format or if you have any questions at all, please let me know!

Thanks,
Jenny

From: Michipicoten Communications <communications@michipicoten.com>
Sent: October 28, 2025 10:17 AM
To: Jenny Phan <jenny.phan@avaanz.ca>; Michipicoten Communications <communications@michipicoten.com>
Cc: Irene Davies <irene.davies@avaanz.ca>
Subject: RE: Goulais Wind Project - November Community Flyer Submission

Yes, please send it next week.

Miigwetch / Thank You,

Ashley Omolida
Operations Admin Assistant / Communications Coordinator
T: 705-856-1993 ext 222
C: 705-914-0940
F: 705-856-1642
E: a.omolida@michipicoten.com
W: www.michipicoten.com

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 Please consider the environment before printing this e-mail

From: Jenny Phan <jenny.phan@avaanz.ca>
Sent: October 28, 2025 9:54 AM
To: Michipicoten Communications <communications@michipicoten.com>
Cc: Irene Davies <irene.davies@avaanz.ca>
Subject: RE: Goulais Wind Project - November Community Flyer Submission

Thank you for confirming! If there is still availability, we would like to be included in next week's flyer, publishing on November 5th. Would you prefer if I hold off on sending the notification until next week?

Thanks,
Jenny

From: Michipicoten Communications <communications@michipicoten.com>
Sent: October 28, 2025 9:52 AM
To: Jenny Phan <jenny.phan@avaanz.ca>; Michipicoten Communications <communications@michipicoten.com>
Cc: Irene Davies <irene.davies@avaanz.ca>
Subject: RE: Goulais Wind Project - November Community Flyer Submission

Good morning,

I apologize for the delay in response. Yes the deadline is Wednesday's at 10:00am for the weekly community flyer.

Miigwetch / Thank You,

Ashley Omolida
Operations Admin Assistant / Communications Coordinator
T: 705-856-1993 ext 222
C: 705-914-0940
F: 705-856-1642
E: a.omolida@michipicoten.com
W: www.michipicoten.com

The information contained in this communication is intended for the use of the recipient named; and may contain privileged, confidential or undisclosed information. If you are not the intended recipient, you are hereby notified that you have received this transmission in error, and that any review, distention, distribution or copying is strictly prohibited. If you have received this communication in error, please notify by return email or by phone and delete or destroy any copies of it. Miigwetch/Thank you.


 Please consider the environment before printing this e-mail

From: Jenny Phan <jenny.phan@avaanz.ca>
Sent: October 21, 2025 3:56 PM
To: Michipicoten Communications <communications@michipicoten.com>
Cc: Irene Davies <irene.davies@avaanz.ca>
Subject: RE: Goulais Wind Project - November Community Flyer Submission

Hello,

I hope this email finds you well! I am just following up on my email below. Please let us know if there are any considerations or requirements needed for submissions to the weekly community flyer.

Warm regards,


Jenny Phan
Environmental and Socio-Economic
Consultant
Phone: (519) 697-4772
—Eastern Time Zone
Website: avaanz.ca


From: Jenny Phan
Sent: October 14, 2025 11:03 AM
To: 'communications@michipicoten.com' <communications@michipicoten.com>
Cc: Irene Davies <irene.davies@avaanz.ca>
Subject: Goulais Wind Project - November Community Flyer Submission

Hello,

I am working on the Goulais Wind project and would like to publish a notification related to a Renewable Energy Approval (REA) amendment in your weekly community flyer. Can you please confirm that the deadline to submit is the 10:00 AM on Wednesdays? We will be sending the notification for the first week of November flyer edition.

Thanks so much for your help!

Kind regards,



Jenny Phan
Environmental and Socio-Economic
Consultant
Phone: (519) 697-4772
Eastern Time Zone
Website: avaanz.ca

Attachment L – REA Amendment Notification in Indigenous Community Newsletters



Brookfield Renewable N.A.

We welcome the Batchewana First Nation Community to a Prince Wind Repowering Project Open House

When:

Wednesday, November 12, 2025, 4:00 PM to 7:00 PM

Where:

White Pines Collegiate & Vocational School, in the Cafeteria

1007 Trunk Rd., Sault Ste. Marie, ON, P6A 0C6 | Light snacks and refreshments will be provided.

What is the Prince Wind Farm?

The Prince Wind Farm is an operating wind facility consisting of 126 1.5-megawatt (MW) wind turbine generators (WTGs), two 34.5 kilovolt (kV) - 230 kV substations and a 230 kV switching station with a total nameplate capacity of 189 MW. It is located in the Prince, Dennis, Peneleuther and Aweres Townships within Ontario's District of Algoma. The original build of the facility was approved under an Environmental Assessment in 2005.

What is a wind repowering project?

The proposed repowering of the facility will involve retrofitting or replacing the turbines as well as corresponding changes to associated equipment and facilities. This will allow the facility to have improved performance, extend the project's operating life and increase energy output. These projects are becoming more common as older wind farms become due for operational updates or as technology advances.

What type of Environmental Assessment will take place?

The Project is subject to the Ministry of Environment, Conservation and Parks Environmental Screening Process for electricity projects under Ontario Regulation 50/24 of the Environmental Assessment Act. An Environmental Review Report (ERR) will be prepared to document the data collection, detailed studies, analysis and engagement which will be undertaken to assess the potential environmental effects of the Project (e.g., to natural heritage and aquatic resources). The ERR will be made available for Batchewana First Nation's review and input upon completion.

Share Your Feedback

The voice of the Batchewana First Nation community matters to us! This is an opportunity to share your thoughts, ask questions, and provide input that will help shape the project.

Email: princwind.info@brookfieldrenewable.com
Phone: 1-888-509-4360 (Toll Free)
Website: <http://www.evologen.com/facilities/prince-wind-repowering>

NOTICE OF PROPOSED CHANGE TO AN APPROVED RENEWABLE ENERGY PROJECT

Project Name: Goulais Wind Farm

Renewable Energy Approval Number: 3507-9ABJWH

IESO Reference Number: F-000662-WN-130-601

Project Location: Section 12, Unorganized Township of Peneleuther, District of Algoma (north of Sault Ste. Marie)

Dated at District of Algoma this the 3rd day of November, 2025.

Chi-Wikwedong LP, by its general partner Chi-Wikwedong Holdings LP, by its general partner Chi-Wikwedong GP Inc. (Goulais) was issued a Renewable Energy Approval on October 4, 2013 and amended on September 3, 2014, in respect of the Goulais Wind Farm. Information with respect to the decision on this project can be viewed at <https://capstoneinfrastructure.com/our-businesses/operating-facilities/Goulais-Wind>.

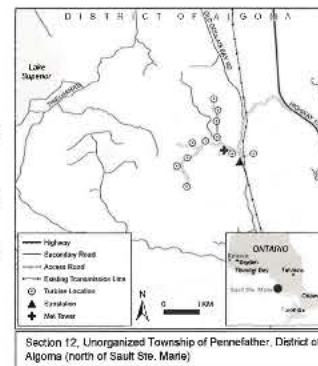
Goulais is proposing to make a change to the project and the project itself is subject to the provisions of the *Environmental Protection Act (Act)* Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 32.2 of the Regulation. This notice is being distributed to make the public aware of a **proposed change to the project**.

Project Description and Proposed Change:

Pursuant to the Act and Regulation, the project in respect of which the Renewable Energy Approval (REA) was issued, is a Class 4 Wind Facility.

An application has been made to the Ministry of Environment, Conservation and Parks (MECP) to **change the project and alter the terms and conditions of the existing Renewable Energy Approval** as follows:

- The Project is proposing to amend the REA to update the maximum rating of each turbine to 2.5 MW from 2.3 MW to allow for operational flexibility. If approved with this change, this facility will continue to have a total maximum name plate capacity of 25 MW. The project location, taking the proposed change into account, remains the same and is described in the map below.
- Corporate Name Change. The name of the general partner of Chi-Wikwedong LP is now Chi-Wikwedong Holdings LP.



Documents for Public Inspection:

Goulais has prepared a Modification Document to form part of the application to be submitted to the MECP. The Modification Document details the changes that are required to the supporting REA documents to reflect the amended approval. A written copy of the draft Modification Document is available at <https://capstoneinfrastructure.com/our-businesses/operating-facilities/Goulais-Wind>.

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NOTICE OF PROPOSED CHANGE TO AN APPROVED RENEWABLE ENERGY PROJECT

Project Name: Goulais Wind Farm

Renewable Energy Approval Number: 3507-9ABJWH

IESO Reference Number: F-000662-WIN-130-601

Project Location: Section 12, Unorganized Township of Pennepather, District of Algoma (north of Sault Ste. Marie)

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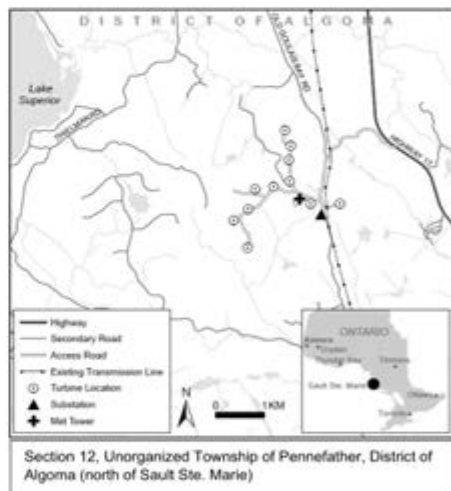
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Project Contacts and Information:

To learn more about the project proposal or to communicate concerns, please contact:

Naithen Joseph, njoseph@capstoneinfra.com
<https://capstoneinfrastructure.com/our-businesses/operating-facilities/Goulais-Wind>

