



NATION RISE WIND FARM

Renewable Energy Approval - Modification Report

Nation Rise Wind Farm Limited Partnership

Document No.: 10021027-HOU-R-20

Issue: D, **Status:** Final

Date: 15 February 2022



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Project name:	Nation Rise Wind Farm	DNV Energy Systems Canada Inc.
Report title:	Renewable Energy Approval - Modification Report	70 Richmond Street East, Suite 315,
Customer:	Nation Rise Wind Farm Limited Partnership	M5C 1N8, Toronto, CANADA
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	Toronto, Ontario M6K 3J1	Enterprise No.: 860480037
Contact person:	Nathan Roscoe	
Date of issue:	15 February 2022	
Project No.:	10021027	
Document No.:	10021027-HOU-R-20	
Issue/Status:	D/Final	

Task and objective:
This report presents the results of analysis conducted by DNV on behalf of Nation Rise Wind Farm Limited Partnership.

Prepared by:	Verified by:	Approved by:
Gabriel Constantin Team Leader, Environmental and Permitting	Frederic Gagnon Senior Scientist, Environmental and Permitting	Jackie Hanberg Head of Section, Environmental and Permitting

- | | |
|---|--|
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Issue	Date	Reason for Issue	Prepared by	Verified by	Approved by
A	10 June 2021	Draft	G. Constantin	F. Gagnon	J. Hanberg
B	15 June 2021	Second draft after Customer comments	G. Constantin	F. Gagnon	J. Hanberg
C	28 June 2021	Updated report with MNRF confirmation	G. Constantin	F. Gagnon	J. Hanberg
D	15 February 2022	Updated report with landowner and county confirmations	G. Constantin	F. Gagnon	J. Hanberg

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List of abbreviations

Abbreviation	Meaning
DNV	DNV Energy Systems Canada Inc.
EPA	Environmental Protection Act
IESO	Independent Electricity System Operator
LRP	Large Renewable Procurement
MECP	Ministry of the Environment, Conservation and Parks
MHSTCI	Ministry of Heritage, Sport, Tourism and Culture Industries
MNRF	Ministry of Natural Resources and Forestry
MW	Megawatt
NHA	Natural Heritage Assessment
NIA	Noise Impact Assessment
O.Reg.	Ontario Regulation
REA	Renewable Energy Approval

1 INTRODUCTION

Nation Rise Wind Farm Limited Partnership (the “Proponent”) is proposing to develop the Nation Rise Wind Farm (the “Project”) which is subject to *Ontario Regulation (O. Reg.) 359/09* (Renewable Energy Approvals (REA) [1] under Part V.0.1 of the Ontario *Environmental Protection Act* (EPA)), as amended. The Proponent was awarded a contract for this Project in March 2016 from the Independent Electricity System Operator (IESO) under the Large Renewable Procurement (LRP), and has received its Renewable Energy Approval (REA) [0871-AV3TFM] from the Ontario Ministry of the Environment, Conservation and Parks (MECP, formerly the Ontario Ministry of the Environment and Climate Change) on 4 May 2018 [2]. The Project successfully achieved commercial operation on 14 June 2021. The Project is owned and operated by Nation Rise Wind Farm Limited Partnership

The following sections of this Modification Report describe the proposed modification to the Project and resulting changes to the originally approved REA reports.

2 GENERAL INFORMATION

2.1 Project Name and Project Proponent

The name of the Project is Nation Rise Wind Farm (hereafter referred to as “the Project”) and Nation Rise Wind Farm Limited Partnership is the Project Proponent (hereafter referred to as the “Proponent”).

2.2 Location of Project

The Nation Rise Wind Farm is located in eastern Ontario, within the Township of North Stormont and the United Counties of Stormont, Dundas and Glengarry, Ontario. More specifically, the Project is located in the western portion of North Stormont bounded to the south by the Township of South Stormont and to the west by the boundary of the Township of North Dundas. The north portion of the Project is delimited by the municipality boundaries of Russell and The Nation. Courville Road and MacMillan Road are the east boundaries of the Project. The Project has a total study area of approximately 8,974 hectares.

Project components have been installed predominantly on privately-owned agricultural lots. The electrical collector lines were partially sited within public road allowances to connect to the substation that is located in the northern section of the Project study area. There is no proposed transmission line for the Project.

The Project study area is located on private and public lands; the geographic coordinates of the extreme points of the Project study area are presented in Table 2-1 and Figure 2-1. The location of the study area was defined early in the planning process and was selected based on the availability of wind resources, the approximate area required for the proposed Project, and availability of existing infrastructure for connection to the electrical grid. The Project substation is located along the existing L24A 230 kV transmission line just south of County Road 13. Most of the agricultural fields are planted annually with common crops (e.g. corn, soybeans and winter wheat) or are used as pasture lands.

Table 2-1: Geographic coordinates of Project study area

Site Location	Easting	Northing
North	483970	5008222
East	480929	5004950
West	494722	5001252
South	487941	4992782

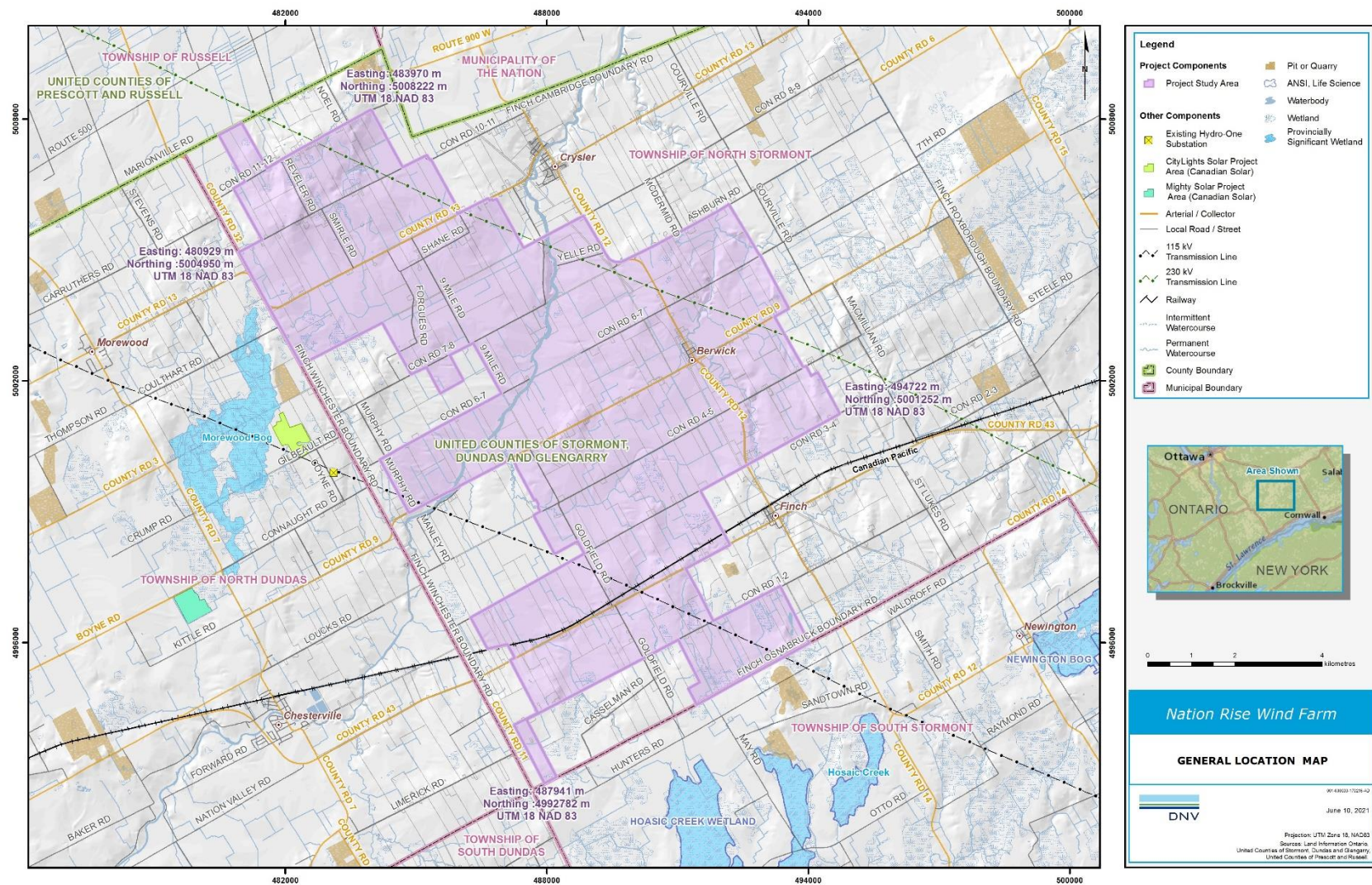


Figure 2-1 General Project study area



2.3 Contact Information

2.3.1 Project Proponent

The Project Proponent has not changed from the initial REA submission. The Proponent is the Nation Rise Wind Farm Limited Partnership, a renewable energy developer, owner and operator, with an office in Toronto, Ontario. The primary contact for this Project is:

Nathan Roscoe

Senior Development Project Manager

Nation Rise Wind Farm Limited Partnership

219 Dufferin St. Unit 217C

Toronto, Ontario M6K 3J1

(416) 502-9463

Project email: nationrise@edpr.com

Project website: <http://nationrisewindfarm.com/>

2.3.2 Project Consultant

DNV Energy Systems Canada Inc. (hereafter referred to as “DNV”), a member of the DNV Group and part of the DNV brand, has been retained to lead the REA for the Project. The Environmental and Permitting Services team of DNV has completed mandates throughout Canada, the United States and in many other parts of the world. These mandates include permitting management, permit applications, environmental impact assessment, and various environmental studies for more than 15,000 MW of wind and solar-PV projects.

DNV Environmental and Permitting Services team is composed of over 20 environmental professionals, including environmental impact specialists, planners, GIS technicians and engineers. DNV has no equity stake in any Project. This rule of operation is central to its philosophy, distinguishing it from many other players and underscoring its independence. DNV’s contact information is as follows:

Gabriel Constantin

Team Leader, Environmental and Permitting Services

DNV – Energy Systems

70 Richmond St E #315,

Toronto, ON M5C 1N8

(416) 320-4636

Email: Gabriel.Constantin@dnv.com

3 PROPOSED PROJECT MODIFICATIONS

While the original REA reports indicated that the staging areas were temporary, the proposed modification to the Project consists of keeping the staging/laydown area located alongside Forgues Road and north of Concession Road 7 (Ashburn Road) and Turbine 16 in place after construction. This staging area is to be left in place at the request of the landowner as this area can be utilized as an extension of the already existing agricultural operation and farm use. The size (3.4 ha) is smaller and location of the staging area will not change compared to the originally approved area.

The proposed Project modification is summarized in Table 3-1 which documents the following:

1. A description of the modification and a rationale for the proposed modification; and
2. New potential environmental effects and corresponding mitigation measures.

Figure 3-1 illustrates the proposed staging/laydown area that is proposed to remain in place after construction. Its size and location are not proposed to be changed compared to the originally approved area.

Table 3-1: Summary of Project Modification

Proposed Modification	Rational for Proposed Modification	New Potential Environmental Effect	New Mitigation Measures
The proposed modification to the Project consists of keeping the staging/laydown area located alongside Forgues Road and north of Concession Road 7 (Ashburn Road) and Turbine 16 in place after construction.	This staging/laydown area is to be left in place at the request of the landowner as this area can be utilized as an extension of the already existing trucking operation and farm use.	<p>None. The location and size of the staging/laydown area located alongside Forgues Road are not proposed to be changed, therefore:</p> <ul style="list-style-type: none"> There are no new natural heritage features within 120 m and no additional adverse effects are anticipated on the natural environment as a result of the proposed change. MNRF re-confirmation letter dating 23 June 2021 and related email are included in Appendix A. No changes to the approved Natural Heritage Reports, including the Natural Heritage Environmental Impact Study Report [2], are needed. There are no new water body features within 120 m. No additional adverse effects are anticipated on water bodies as a result of the proposed change and no changes to the approved Water Body Report [4] are needed. This staging/laydown area was already considered in the approved Stage 2 Archaeological Assessment report for the Project [3] and no report updates are required. A confirmation email provided by the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) on 8 June 2021 is presented in Appendix B. This staging/laydown area footprint and adjacent parcels were already considered in the approved Heritage Impact Assessment report [6] and no adverse impacts to any potential heritage attributes are anticipated. A confirmation email provided by the MHSTCI on 8 June 2021 is included in Appendix C. No impacts to the approved Noise Impact Assessment (NIA) [7] will result from this proposed change. No impacts to land use will result from this proposed change as confirmed by the landowner and the United Counties of Stormont, Dundas and Glengarry (Appendix D). 	N/A



Figure 3-1: Staging/Laydown Area Proposed to Remain in Place After Construction

4 EDITS TO REA REPORTS

There are minor changes to the Project Description Report [8], Design and Operations Report [9] and Construction Plan Report [10] resulting from the propose modification. This will be described in the following sections.

The approved Site Plan maps with a single addition to legend to identify the staging/laydown area along Forgues Road that is proposed to remain in place are presented in Appendix E. Please note that the staging/laydown area along Forgues Road appears on Site Plan 1 and 3.

4.1 Edits to the Project Description Report

Table 4-1 documents the edits to the Project Description Report [8] from the modifications described above.

Table 4-1: Edits to the Project Description Report

Section / Page	Original Text	Revised Text (additions are <i>italicized</i>)
Section 3.1.5 / Page 10	It is anticipated that up to three temporary construction staging areas will be constructed on privately owned lands for the purposes of staging and storing equipment during the construction phase. Activities and facilities within these staging areas will include material storage, equipment refuelling, construction offices, a parking lot, temporary toilet facilities, rinsing and water facilities, and communications equipment. Each temporary staging area will have a footprint of approximately 2-7 ha.	It is anticipated that up to three temporary construction staging areas will be constructed on privately owned lands for the purposes of staging and storing equipment during the construction phase. <i>One staging/laydown area located alongside Forgues Road and north of Concession Road 7 (Ashburn Road) and Turbine 16 will remain in place. The staging/laydown area located on Forgues Road will be left in place at the request of the landowner as this area can be utilized as an extension of the already existing agricultural operation and farm use. This includes the aggregate material, lighting and electricity service.</i> Activities and facilities within these staging areas will include material storage, equipment refuelling, construction offices, a parking lot, temporary toilet facilities, rinsing and water facilities, and communications equipment. Each temporary staging area will have a footprint of approximately 2-7 ha.

4.2 Edits to the Design and Operations Report

Table 4-2 documents the edits to the Design and Operations Report [9] from the modifications described above.

Table 4-2: Edits to the Design and Operations Report

Section / Page	Original Text	Revised Text (additions are <i>italicized</i>)
Section 3.3.1 / Page 8	The Stage 2 archaeological assessment involved a combination of the pedestrian and test pit survey methods across those portions of the study area that are proposed to be impacted by the project, including turbine locations, access roads, substations, collector lines, operations and maintenance buildings, meteorological and microwave towers, and temporary staging areas. The total areas assessed cumulatively to date represented approximately 456 hectares.	The Stage 2 archaeological assessment involved a combination of the pedestrian and test pit survey methods across those portions of the study area that are proposed to be impacted by the project, including turbine locations, access roads, substations, collector lines, operations and maintenance buildings, meteorological and microwave towers, and temporary staging areas. The total areas assessed cumulatively to date represented approximately 456 hectares.
Section 4.6 / Page 14	It is anticipated that up to three temporary construction staging areas will be constructed on privately owned lands for the purposes of staging and storing equipment during the construction phase. Activities and facilities within these staging areas will include material storage, equipment refuelling, construction offices, a parking lot, temporary toilet facilities, rinsing and water facilities, and communications equipment. Each temporary staging area will have a footprint of approximately 2-7 ha.	It is anticipated that up to one temporary construction staging areas will be constructed on privately owned lands for the purposes of staging and storing equipment during the construction phase. <i>One staging/laydown area located alongside Forgues Road and north of Concession Road 7 (Ashburn Road) and Turbine 16 will remain in place. The staging/laydown area located on Forgues Road will be left in place at the request of the landowner as this area can be utilized as an extension of the already existing agricultural operation and farm use. This includes the aggregate material, lighting and electricity service.</i> Activities and facilities within these staging areas will include material storage, equipment refuelling, construction offices, a parking lot, temporary toilet facilities, rinsing and water facilities, and communications equipment. Each temporary staging area will have a footprint of approximately 2-7 ha.

4.3 Edits to the Construction Plan Report

Table 4-3 documents the edits to the Construction Plan Report [10] from the modifications described above.

Table 4-3: Edits to the Construction Plan Report

Section / Page	Original Text	Revised Text (additions are <i>italicized</i>)
Section 3.1.5 / Page 8	It is anticipated that up to three temporary construction staging areas will be constructed on privately owned lands for the purposes of staging and storing equipment during the construction phase. Activities and facilities within these staging areas will include material storage, equipment refuelling, construction offices, a parking lot, temporary toilet facilities, rinsing and water facilities, and communications equipment. Each temporary staging area will have a footprint of approximately 2-7 ha.	It is anticipated that up to three temporary construction staging areas will be constructed on privately owned lands for the purposes of staging and storing equipment during the construction phase. <i>One staging/laydown area located alongside Forgues Road and north of Concession Road 7 (Ashburn Road) and Turbine 16 will remain in place. The staging/laydown area located on Forgues Road will be left in place at the request of the landowner as this area can be utilized as an extension of the already existing agricultural operation and farm use. This includes the aggregate material, lighting and electricity service.</i> Activities and facilities within these staging areas will include material storage, equipment refuelling, construction offices, a parking lot, temporary toilet facilities, rinsing and water facilities, and communications equipment. Each temporary staging area will have a footprint of approximately 2-7 ha.
Section 4.9 / Page 16	Once construction is complete, the areas will be restored to a condition acceptable to the landowner.	Once construction is complete, the areas will be restored to a condition acceptable to the landowner <i>except for the staging/laydown area located alongside Forgues Road and north of Concession Road 7 (Ashburn Road) and Turbine 16 that will remain in place at the request of the landowner.</i>

4.4 Edits to the Decommissioning Plan Report

There are no changes to the Decommissioning Plan Report [11] resulting from the modifications described above.

4.5 Edits to the Consultation Report

There are no changes to the Consultation Report [12] resulting from the modifications described above.

5 SUMMARY AND CONCLUSIONS

The Project modification described in this Modification Report does not change the overall conclusion of the REA Reports which states that the Project can be constructed, installed, operated and decommissioned without any significant adverse residual effects.

6 REFERENCES

- [1] Ontario Regulation 359/09, made under the Environmental Protection Act, Renewable Energy Approvals under Part 1.0 of the Act.
- [2] Ontario Ministry of the Environment and Climate Change, Renewable Energy Approval (0871-AV3TFM) – Nation Rise Wind Farm, 4 May 2018.
- [3] Natural Resource Solutions Inc. (NRSI), Natural Heritage Environmental Impact Study Report - Nation Rise Wind Farm, 10 July 2017.
- [4] Natural Resource Solutions Inc. (NRSI), Water Body Report - Nation Rise Wind Farm, 2 August 2017.
- [5] Golder Associates Ltd., Stage 2 Archaeological Assessment - Nation Rise Wind Farm, 12 July 2017.
- [6] Golder Associates Ltd., Heritage Impact Assessment - Nation Rise Wind Farm, 29 March 2017.
- [7] DNV GL, Noise Impact Assessment – Nation Rise Wind Farm, 26 September 2017.
- [8] DNV GL, Project Description Report – Nation Rise Wind Farm, 29 November 2017.
- [9] DNV GL, Design and Operations Report – Nation Rise Wind Farm, 29 November 2017.
- [10] DNV GL, Construction Plan Report – Nation Rise Wind Farm, 25 April 2018.
- [11] DNV GL, Decommissioning Plan Report – Nation Rise Wind Farm, 29 November 2017.
- [12] DNV GL, Consultation Report – Nation Rise Wind Farm, 4 August 2017.



APPENDIX A – MNRF CORRESPONDENCE

Ministry of Natural

Ministère des Richesses

Resources and Forestry

naturelles et des Forêts

Regional Resources Section
Southern Region
300 Water Street
4th Floor, South Tower
Peterborough, Ontario K9J 8M5



June 23, 2021

Nation Rise Wind Farm Limited Partnership
219 Dufferin St., Suite 217C
Toronto, ON
M6K 3J1

RE: Modifications to Nation Rise Wind Farm

Dear Nathan Roscoe,

The Ministry received email correspondence, including attached mapping, dated June 14th, 2021 that describes modifications to Nation Rise Wind Farm. It is the Ministries understanding that the only proposed change is the maintenance of laydown area south of Turbine T12 as a permanent disturbance. The Ministry recognizes this modification is made subsequent to the Ministries letter confirming the Natural Heritage Assessment in respect of the project.

Upon review of these modifications, the Ministry is satisfied that the Natural Heritage Assessment requirements of Ontario Regulation 359/09 have been met. Please add this letter as an addendum to the original confirmation letter issued along with subsequent confirmation letters, for the Nation Rise Wind Farm.

If you wish to discuss, please contact Kaitlyn McGlade at kaitlyn.mcglade@ontario.ca or at 705-772-9326.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ruth Lindemberger".

Ruth Lindemberger
Regional Land Use Planning Supervisor
Regional Resources Section, Southern Region

From: [McGlade, Kaitlyn \(MNRF\)](#)
To: ["Andrew Ryckman"](#); [Lindenburger, Ruth \(MNRF\)](#)
Cc: [Roscoe, Nathan](#); [Little, Ken](#); [Pinger, Andrew](#); [Lillian Knopf](#); [Constantin, Gabriel](#); [Romic, Zeljko \(MECP\)](#); [LAURA.BASHFORD@EDPR.COM](#); [Raetsen, Sarah \(MECP\)](#); [Greason, Ian \(MECP\)](#)
Subject: RE: Nation Rise WF; Change to Laydown Area
Date: Friday, June 25, 2021 4:28:59 PM
Attachments: [image001.png](#)
[image003.png](#)
[NationRiseAmendment_June2021.pdf](#)

Hello All,

Please see attached letter regarding the proposed change to the Nation Rise Wind Farm outlined in the email below.

Please don't hesitate to contact me should you have any questions.

Thanks,

Kaitlyn McGlade
Regional Planning Ecologist
kaitlyn.mcglade@ontario.ca
705-772-9326

From: Andrew Ryckman <aryckman@nrsl.on.ca>
Sent: June 14, 2021 3:19 PM
To: McGlade, Kaitlyn (MNRF) <Kaitlyn.McGlade@ontario.ca>
Cc: Roscoe, Nathan <Nathan.Roscoe@edpr.com>; Little, Ken <Ken.Little@edpr.com>; Pinger, Andrew <Andrew.Pinger@edpr.com>; Lillian Knopf <lknopf@nrsl.on.ca>; Constantin, Gabriel <gabriel.constantin@dnvgl.com>; Romic, Zeljko (MECP) <Zeljko.Romic@ontario.ca>; LAURA.BASHFORD@EDPR.COM; Raetsen, Sarah (MECP) <Sarah.Raetsen@ontario.ca>; Greason, Ian (MECP) <Ian.Greason@ontario.ca>
Subject: Nation Rise WF; Change to Laydown Area

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

Good afternoon Kaitlyn,

I'm emailing to initiate consultation with the Ministry of Natural Resources and Forestry (MNRF) on a proposed change to the activities being proposed at the Nation Rise Wind Farm. The proposed change relates to the consideration of the laydown area along Forgues Road (south of T12) as a permanent disturbance, rather than a temporary disturbance as presented in the Natural Heritage Assessment (NHA) reports. The change itself is resulting from a landowner request to leave the laydown area in place, rather than converting back to row crop agriculture.

In consideration of the laydown area now being considered a permanent disturbance, NRSL has reviewed Project material and previous assessments to determine whether any changes are warranted to any of the Natural Heritage Assessment documents, findings, or conclusions, including

the detailed impact assessment and mitigation strategy.

This area surrounding this laydown yard was comprehensively studied and addressed in-full as part of the Natural Heritage Assessment, including a minimum area of 120m surrounding the proposed footprint. Field data, as presented in the various Natural Heritage Assessment reports confirmed that there are no potential, confirmed, or treated as significant woodlands, wetlands, or wildlife habitats that occur within 120m of this project component.

An area of perennial cover crop (i.e. hay) was noted within 120m, but not overlapping, this project component and was therefore considered to be Generalized Wildlife Habitat in accordance with provincial guidance documents. NRSI has re-considered this area relative to the change in permanency of the project component, and has determined that it can still be considered Generalized Wildlife Habitat (per Appendix D of the Natural Heritage Assessment Guide), and since Generalized Wildlife Habitat mitigation measures have already been included in the approved Environmental Impact Statement, NRSI has not identified any necessary changes to previously approved reports, including impact assessments and mitigation strategies.

For ease of review, I have attached a JPG file showing the laydown area. I have also attached a PDF of the compiled maps relating to this laydown area (visible as a blue polygon in the bottom right of the map book) that were included in the approved *Nation Rise Wind Farm: Natural Heritage Environmental Impact Study Report*, which show, in succession, the key map, and then the consideration of woodlands and wetlands, seasonal concentration areas, rare vegetation communities and specialized wildlife habitats, habitats for species of conservation concern, and generalized wildlife habitat, as determined through the NHA process.

Following your review, please let me know if you require any clarification or further information on this proposed change. Otherwise I would appreciate MNRF's confirmation that there are no changes needed to the already approved reports and for MNRF to either a corresponding re-confirmation letter or email acknowledging that the previous confirmation letter remains valid.

Thanks,
Andrew

--



Andrew Ryckman B.Sc. P.Biol.
Senior Terrestrial and Wetland Biologist
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 [@nrsinews](#)

APPENDIX B – MHSTCI CORRESPONDENCE – ARCHAEOLOGICAL RESOURCES

From: [Prowse, Shari \(MHSTCI\)](#)
To: [Mior, Aaron](#)
Cc: [Archaeology \(MHSTCI\)](#); [Drouin, Bradley](#)
Subject: FW: Request for Reply: Confirmation for development impacts to laydown area assessed under PIF No. P311-0307-2016
Date: Tuesday, June 8, 2021 8:35:42 AM
Attachments: [image001.png](#)
[image002.png](#)
[P311-0307-2016_12Jul17_RR-Map 10B.pdf](#)
[P1077-0048-2018_24July2018_RE-Map 9.pdf](#)
[MOD_LaydownAccess_NationRise_ON.jpg.png](#)
[RE Nation Rise Modification for Laydown Area - Email to MHSTCI.msg](#)

EXTERNAL EMAIL

Hi Aaron,

Thank you for the additional information. Based on the assessment and the reporting completed for the lands identified in the attached "MOD_Laydown Access_NationRise_ON.jpg and as detailed in Map 10B of report P311-0307-2016 and Map 9 of P1077-0048-2018, no archaeological resources were documented during the assessment of these lands, as such, no further archaeological assessment is recommended.

I trust this is of assistance but please get back to me if you require additional information.

Shari Prowse, MA

Archaeology Review Officer, Archaeology Program Unit
Programs and Services Branch | Heritage, Tourism and Culture Division
Ministry of Heritage, Sport, Tourism and Culture Industries
659 Exeter Road, London ON
Tel/Mobile: (519) 671-7742

From: Mior, Aaron <Aaron_Mior@golder.com>
Sent: June 7, 2021 3:37 PM
To: Prowse, Shari (MHSTCI) <Shari.Prowse@ontario.ca>
Cc: Drouin, Bradley <Bradley_Drouin@golder.com>; Archaeology (MHSTCI) <archaeology@ontario.ca>
Subject: RE: Request for Reply: Confirmation for development impacts to laydown area assessed under PIF No. P311-0307-2016

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NOTE: This email chain appears to contain email from outside Golder

Hi Shari,

Thanks for your email and my apologies for the mistake on the PIF Number. Please find Map 10B from the P311-0307-2016 report showing the laydown area at T16 attached to this email. As the client map also shows the access corridor, which was assessed under a subsequent report, please find the corresponding Map 9 from the P1077-0048-2018 report also attached to this email.

If there is anything else I can provide please do not hesitate to contact me at your convenience.

All the best.

Aaron

Aaron Mior (M.MA) (he/him)

Senior Archaeologist

Golder Associates Ltd.

T: +1 613 542 9600 | **D:** +1 613 592 9600 x4274 | **C:** +1 613 852 2842

From: Prowse, Shari (MHSTCI) <Shari.Prowse@ontario.ca>

Sent: June 7, 2021 3:22 PM

To: Mior, Aaron <Aaron_Mior@golder.com>

Cc: Drouin, Bradley <Bradley_Drouin@golder.com>; Archaeology (MHSTCI) <archaeology@ontario.ca>

Subject: FW: Request for Reply: Confirmation for development impacts to laydown area assessed under PIF No. P311-0307-2016

EXTERNAL EMAIL

Hi Aaron,

I will see what I can do to help. Can you tell me the original Figure #'s for the mapping of the assessment for the attached. Also, the map attached cites PIF P311-0307-2015 but it is P311-0307-2016.

Shari Prowse, MA

Archaeology Review Officer, Archaeology Program Unit

Programs and Services Branch | Heritage, Tourism and Culture Division

Ministry of Heritage, Sport, Tourism and Culture Industries

659 Exeter Road, London ON

Tel/Mobile: (519) 671-7742

From: Mior, Aaron <Aaron_Mior@golder.com>

Sent: June 2, 2021 9:27 AM

To: Prowse, Shari (MHSTCI) <Shari.Prowse@ontario.ca>; Archaeology (MHSTCI) <archaeology@ontario.ca>

Cc: Drouin, Bradley <Bradley_Drouin@golder.com>

Subject: Request for Reply: Confirmation for development impacts to laydown area assessed under

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

Hi Shari,

As you were the MHSTCI Review Officer for the Nation Rise Wind Farm Stage 2 Assessment in the United Counties of Stormont, Dundas and Glengarry, Ontario, I hope you don't mind that I reach out for your response to this matter.

EDP Renewables Canada Ltd. (Client) is preparing a Modification Report for the Nation Rise Wind Farm Project and one of the proposed changes is to state that "the laydown yard along Forgues Road will remain in place after construction" rather than be used as a temporary laydown area during construction. This laydown area was assessed during the Stage 2 AA under MHSTCI PIF No. P311-0307-2016. Please find a map of the laydown area attached to this email, as well as the MHSTCI letter dated 17 July 2017. Also attached is the email from EDP requesting a response from the MHSTCI regarding this change.

As the laydown area has been archaeologically assessed and mitigated of archaeological potential, can you please confirm no further archaeological assessment is required to accommodate the change from a temporary laydown area to a permanent laydown area. I understand EDP Renewables Canada is intending to submit the Modification Report in the next week and would be grateful to receive a response from the MHSTCI before their submission.

If you have any questions or would like to discuss further, please do not hesitate to contact me at your convenience.

Thanks for your time,

Aaron

Aaron Mior (M.MA) (he/him)
Senior Archaeologist

Golder Associates Ltd.
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 613 542 9600 | **D:** +1 613 592 9600 x4274 | **C:** +1 613 852 2842 | golder.com
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APPENDIX C – MHSTCI CORRESPONDENCE – HERITAGE RESOURCES

From: [Hatcher, Laura \(MHSTCI\)](#)
To: [Drouin, Bradley](#)
Cc: [Barboza, Karla \(MHSTCI\)](#)
Subject: RE: Nation Rise Modification for Laydown Area - Email to MHSTCI
Date: Tuesday, June 8, 2021 1:47:04 PM
Attachments: [image001.png](#)

EXTERNAL EMAIL

Project : Nation Rise Wind Farm
OPA Reference Number : L-006351-WIN-001-100
Subject : REA Heritage Assessment addendum
Report Title : Heritage Impact Assessment Nation Rise Wind Farm
Project
North Stormont Township, United Counties of
Stormont, Dundas and Glengarry, Ontario
MTCS File No. : 0006490

Good afternoon Bradley,

Thank you for consulting with the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) regarding changes to this project. The Heritage Assessment was originally prepared on March 29, 2017, and our ministry (then MTCS) issued written comments on April 18, 2017 for the purposes of the 23(3)(a) of the REA regulation. Following that, an Addendum was submitted on February 8, 2019, and the ministry confirmed that the original MTCS comments letter for the Heritage Assessment was still valid.

I have reviewed the additional information you have provided and I can once again confirm that the original MTCS written comments letter dated April 18, 2017 is valid.

Should you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Laura

Laura Hatcher, MCIP, RPP

Heritage Planner

Heritage Planning Unit | Programs and Services Branch | Heritage, Tourism and Culture Division

Ministry of Heritage, Sport, Tourism and Culture Industries

401 Bay Street Suite 1700 Toronto ON M7A 0A7

Tel. 437-239-3404 [New](#) | email: laura.e.hatcher@ontario.ca

From: Drouin, Bradley <Bradley_Drouin@golder.com>

Sent: Thursday, June 3, 2021 3:26 PM

To: Hatcher, Laura (MHSTCI) <Laura.E.Hatcher@ontario.ca>

Subject: RE: Nation Rise Modification for Laydown Area - Email to MHSTCI

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NOTE: This email chain appears to contain email from outside Golder

Hi Laura,

Thank you for responding so quickly. The following is what was provided to me by the client.

The laydown yard located on Forgues road is to be left in place. The laydown yard will be used by the landowner as parking as this yard is already adjacent to his current trucking operation and farm use. The laydown yard will be comprised of the already established aggregate and be used for staging of his transportation equipment.

If you require anything else, please let me know.

All the best,

-Brad-

Bradley Drouin (M.A.)

Associate, Group Leader – B.C. Heritage & Business Operations Support
IMG-Golder Corporation Operations Manager
Golder Associates Ltd.

T: +1 613 592 9600 | **D:** +1 613 592-9600 x4355 | **C:** +1 613 863-7811

From: Hatcher, Laura (MHSTCI) <Laura.E.Hatcher@ontario.ca>

Sent: June 2, 2021 2:26 PM

To: Drouin, Bradley <Bradley_Drouin@golder.com>

Subject: RE: Nation Rise Modification for Laydown Area - Email to MHSTCI

EXTERNAL EMAIL

Hi Brad,

I can look into this and provide confirmation. To help me understand the impact of this change, can you explain the reason for a permanent laydown area at this location? What will it look like? (e.g. sheds, parking lot for permanent storage of equipment)

Thank you,
Laura

From: Drouin, Bradley <Bradley_Drouin@golder.com>

Sent: Wednesday, June 2, 2021 10:10 AM

To: Hatcher, Laura (MHSTCI) <Laura.E.Hatcher@ontario.ca>

Cc: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>

Subject: FW: Nation Rise Modification for Laydown Area - Email to MHSTCI

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sender.

NOTE: This email chain appears to contain email from outside Golder

Hi Laura,

It's my understanding that you were the reviewer for the Heritage Impact Assessment report for the Nation Rise Wind Farm Project dated 29 March 2017. The attached map shows the study area assessed under the original HIA. The only change the client is proposing is to change the use of the laydown area from temporary to permanent. There is no planned changes to size of the Project Location. Can you please confirm that the original letter issued for the HIA is still valid.

The client is looking for this confirmation to support the REA modification report.

Please reach out if you require any additional information.

-Brad-

Bradley Drouin (M.A.)

*Associate, Group Leader – B.C. Heritage & Business Operations Support
IMG-Golder Corporation Operations Manager
Golder Associates Ltd.*

T: +1 613 592 9600 | **D:** +1 613 592-9600 x4355 | **C:** +1 613 863-7811

From: Constantin, Gabriel <gabriel.constantin@dnv.com>

Sent: May 31, 2021 2:38 PM

To: Drouin, Bradley <Bradley_Drouin@golder.com>

Cc: Roscoe, Nathan <Nathan.Roscoe@edpr.com>; Kenneth Little <ken.little@edpr.com>; Laura, Bashford <LAURA.BASHFORD@EDPR.COM>; Gagnon, Frédéric <frederic.gagnon@dnv.com>; Hanberg, Jackie <Jackie.Hanberg@dnv.com>

Subject: Nation Rise Modification for Laydown Area - Email to MHSTCI

EXTERNAL EMAIL

Hi Brad,

For the Nation Rise Wind Farm, we would like to prepare a Modification Report and obtain a clearance email from the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) about a propose change. The change is very simple and all studies have been completed as part of the initial Renewable Energy Approval (REA) and Stage 1 & 2 AA and Heritage Assessment. The proposed change is to revise the Construction and Design and Operations Reports to state that the laydown yard along Forgues Road will remain in place after construction. The attached map illustrate the laydown area that has been previously studied. It's size (6.9 ha) and location will not change. It is located alongside Forgues Road and north of Concession Road 7 (Ashburn Road) and Turbine 16. Since the Project Location is not changing, the laydown area was already considered in the approved Stage 2 Archaeological Assessment report and Heritage Impact Assessment report for the Project and no report updates are required as a result of the proposed change.

We can always refer to the original report and clearance letter received. I believe these are the two reports that addressed the laydown area:

Golder Associates Ltd., Stage 2 Archaeological Assessment - Nation Rise Wind Farm, 12 July 2017.

Golder Associates Ltd., Heritage Impact Assessment - Nation Rise Wind Farm, 29 March 2017.

Could you please contact the staff at the MHSTCI in order to receive the re-confirmation/clearance email

soon (within two weeks if possible)? This would support our complete REA Modification Report.

Don't hesitate to call me to discuss.

Thank you,
Gab

Gabriel Constantin M.Sc
Team Leader – EPS
Environmental & Permitting
Energy Systems

DNV Energy Systems Canada Inc.

gabriel.constantin@dnv.com

Mobile 416 320 4636 |

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APPENDIX D – LANDOWNER AND COUNTY CORRESPONDENCE

Date: June 7th, 2021

RE: Nation Rise Wind Farm – Laydown Yard Amendment

To whom it may concern,

I am the landowner of the property which currently hosts the Nation Rise Wind Farm laydown/staging area located off Forgues Road in the municipality of North Stormont Township. I can confirm that I have requested this staging area to be left in place as this will be utilized as a natural extension of my existing agricultural and grain transportation operation and farm use. For example, this area will be used for the staging of farm equipment during planting and harvest season and will also be used to stage transportation of grain/crops during and after the harvest season. I can also confirm that the area will not require future restoration or reclamation once the Nation Rise Wind Project has been retired.

Sincerely,

A handwritten signature in black ink, appearing to read 'Walter Konink', with a stylized, cursive script.

Walter Konink

Constantin, Gabriel

From: Peter Young <pyoung@sdgcounties.ca>
Sent: Thursday, January 6, 2022 9:14 AM
To: NATHAN ROSCOE
Cc: Walter & Kaitlyn Konink; Moe Hammoud; Craig Calder
Subject: RE: Wall Konink Yard
Attachments: NRWF_Laydown_Yard_Silage.pdf

Good morning Nathan,

Based on our site visit, the attached site plan and your description of the intended uses below, I can confirm the proposed use of lands at 2025 Forgues Road would be permitted under the Township of North Stormont Zoning By-law 08-2014 as an "Agricultural use" and/or "Agriculture-related use"

Sincerely,



Peter Young, MCIP RPP
Director of Planning Services

United Counties of Stormont, Dundas and Glengarry
26 Pitt Street Cornwall, ON K6J 3P2
P: (613) 932-1515 x 1266
E: pyoung@sdgcounties.ca
W: www.sdgcounties.ca



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From: NATHAN ROSCOE <NATHAN.ROSCOE@EDP.COM>
Sent: January 5, 2022 2:27 PM
To: Peter Young <pyoung@sdgcounties.ca>
Cc: Walter & Kaitlyn Konink <koninkfarms@gmail.com>
Subject: RE: Wall Konink Yard

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Good afternoon Peter,

Hope you had a healthy and restful end of year break. I am sending this email in regards to the site visit that occurred in October regarding the yard on the Konink Farms property. Per our discussion, I spoke to the landowner and they have confirmed the following:

I can confirm that the laydown yard area will be utilized as a natural extension of our existing agricultural and grain transportation operation and farm use. This area was selected as a staging area due to its shallow depth to bedrock

which at times is exposed in areas. As depicted in the attached map, the area will be utilized to stage agricultural seed bags as the storage, management and safety associated with these storage bags are more beneficial than typical silage practices. This area will also be used to stage the farming equipment during planting and harvest season.

I have included Wally Konink on this email and have attached the yard map. Please let us know if you have any questions regarding this submission and you subsequent direction.

Best regards,



NATHAN ROSCOE

EDP Renewables Canada Ltd.
Development - Senior Project Manager
219 Dufferin Street Toronto
Mobile: 647-204-1043



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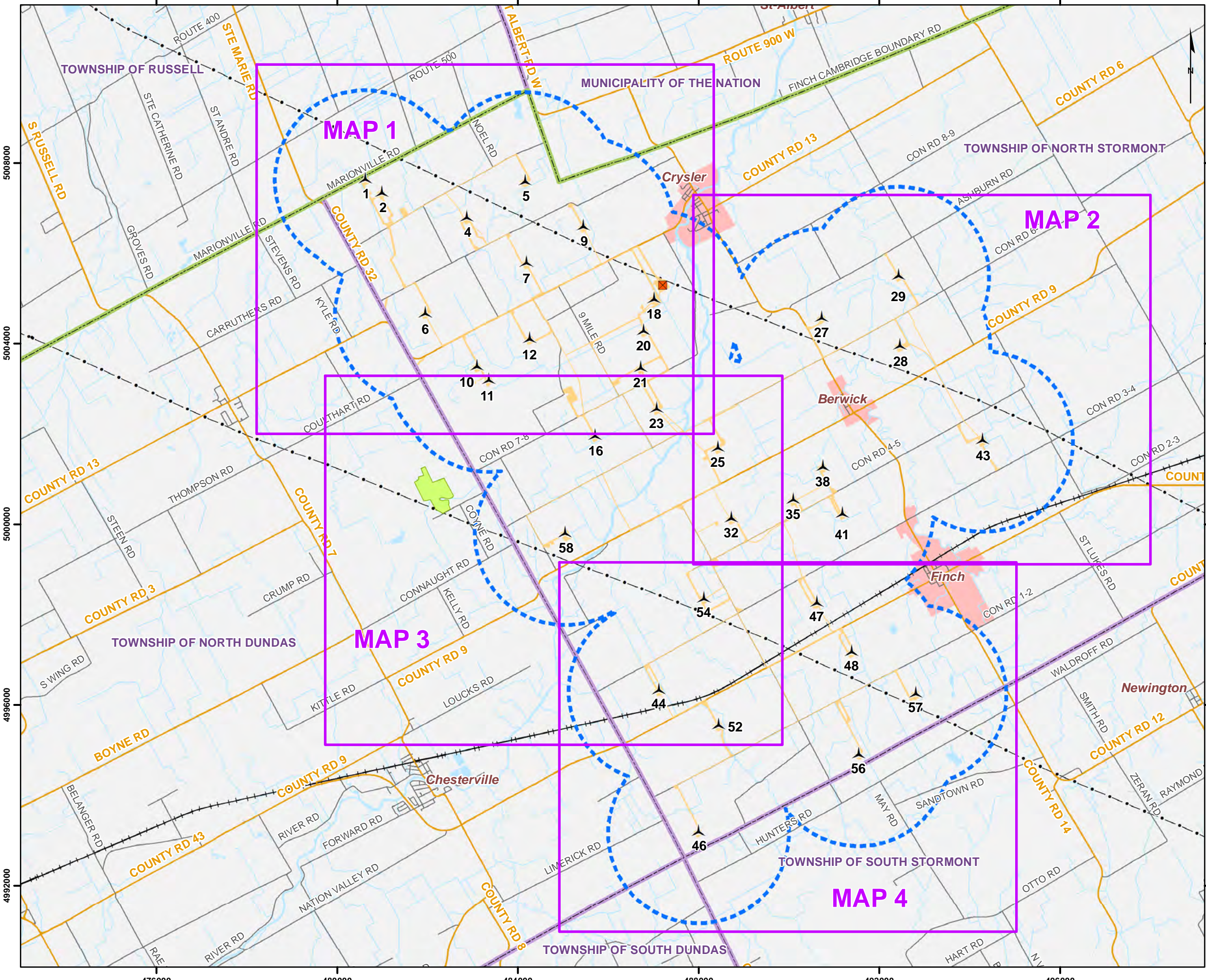
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APPENDIX E – SITE PLAN MAPS



Legend

Project Components

- Substation, Switchyard
- Project Location
- Wind Turbine (2 km Buffer)
- City Light Solar Farm

Other Components

- Railroad
- Local Road
- Secondary Road
- Existing HONI Transmission Line
- Watercourse
- Built Up Area
- Waterbody

0 0.5 1 2 3 4 Kilometers

Nation Rise Wind Farm

SITE PLAN MAP EXTENTS

001-10021027-210610-AB
10 June 2021

















Projection: UTM Zone 18, NAD83

Sources: Land Information Ontario, ArcGIS Online, United Counties of Stormont, Dundas and Glengarry, United Counties of Prescott and Russell, DRAPE (Sept 2014), First Base Solutions (March 2017), NRSI, Golder.




Legend

Project Components

-  Wind Turbine (33)
-  Substation, Switchyard
-  Meteorological Mast
-  Collection System
-  Access Road
-  Crane Path
-  Temporary Construction Access Road
-  Turning Radii
-  Project Location
-  Substation Area
-  Permanent Staging / Laydown Area
-  Property Boundary Setback (132 m)
-  Road and Railway Setback (81 m)
-  Noise Receptor Setback (550 m)
-  Project Location (120 m)
-  Project Location (300 m)

-  Significant Seasonal Concentration Areas
-  Treated As Significant Seasonal Concentration Areas 2
-  Generalized Significant Wildlife Habitat 3













Cultural Heritage Features

-  Cultural Heritage Value Interest

Noise Receptor *

- 1 Storey Receptor
- 2 Storey Receptor
- 3 Storey Receptor
- Vacant Lot Receptor
- Participant Receptor

Other Components

-  Arterial / Collector
-  Local Road / Street
-  Railway
-  Existing HONI Transmission Line
-  Intermittent Watercourse
-  Permanent Watercourse
-  Municipal Drain
-  Contour (Interval: 5 m)
-  County Boundary
-  Municipal Boundary
-  Property Boundary
-  Waterbody

Waterbody Assessment *

- Watebody Assessment Point

Natural Heritage Features*

-  Significant Wetland¹
-  Significant Woodland
-  Significant Habitats for Species of Conservation Concern
-  Treated as Significant Specialized Wildlife Habitats and Rare Vegetation Communities

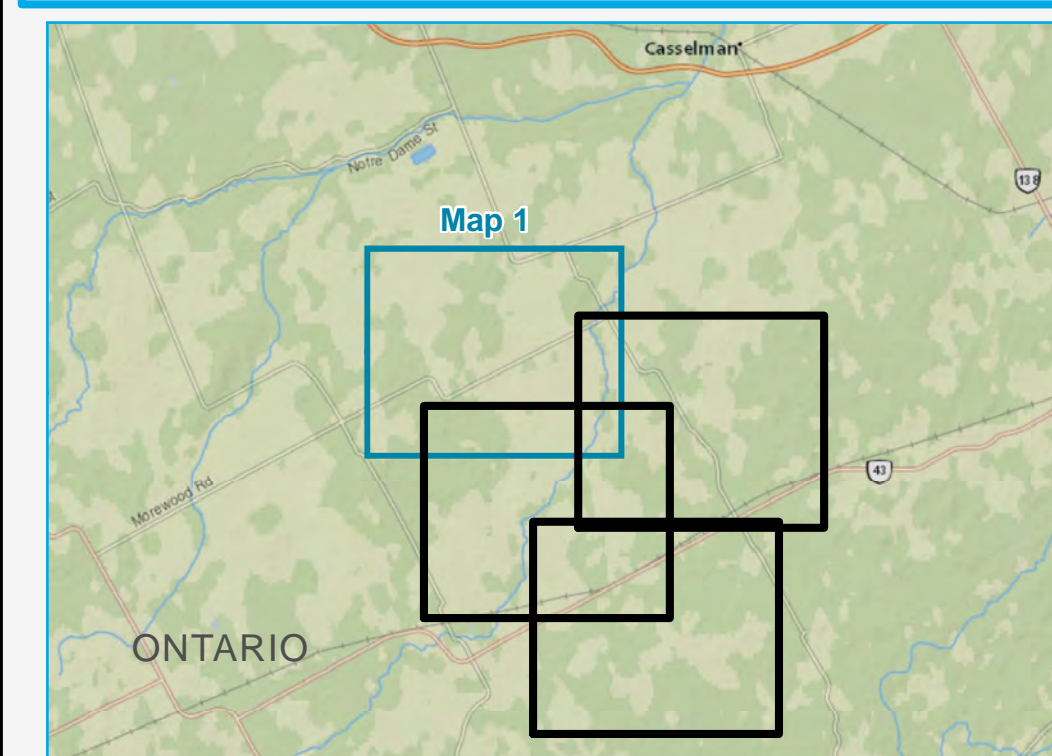
* Natural Features Distance: See App. E Evaluation of Significance Report Table 7 and 8.
Waterbody Distance: See App. F Water Body Report Table 4.

1 - Natural Features that have been Treated as Significant following Appendix C: Wetland Characteristics and Ecological Functions Assessment for Renewable Energy Projects of the

Characteristics and Ecological Functions Assessment for Renewable Energy Projects of the Natural Heritage Assessment Guide for Renewable Energy Projects. (OMNR 2012).

2 - Candidate Significant Wildlife Habitats that have been Treated As Significant with a commitment to conduct pre-construction surveys to determine significance, or which access to the habitat to conduct surveys has been denied.

3 - Generalized Candidate Significant Wildlife Habitats that have been Treated As Significant following the Natural Heritage Assessment Guide for Renewable Energy Projects (OMNR 2012).



Nation Rise Wind Farm

SITE PLAN MAP 1



001-10021027-190117

10 June 2021

Projection: UTM Zone 18, NAD83

Sources: Land Information Ontario, ArcGIS Online, United Counties of Stormont, Dundas and Glengarry, United Counties of Prescott and Russell, DRAPE (Sept 2014), First Base Solutions (March 2017), NRSI, Golder.



Legend

Project Components

- Wind Turbine (33)
- Meteorological Mast
- Collection System
- Access Road
- Crane Path
- Turning Radii
- Project Location
- Property Boundary
- Setback (132 m)
- Road and Railway Setback (81 m)
- Noise Receptor Setback (550 m)
- Project Location (120 m)
- Project Location (300 m)

Cultural Heritage Features

- Cultural Heritage Value Interest

Noise Receptor *

- 1 Storey Receptor
- 2 Storey Receptor
- 3 Storey Receptor
- Vacant Lot Receptor
- Participant Receptor

Other Components

- Arterial / Collector
- Local Road / Street
- Railway
- Existing HONI Transmission Line
- Intermittent Watercourse
- Permanent Watercourse
- Municipal Drain
- Contour (Interval: 5 m)
- County Boundary
- Municipal Boundary
- Property Boundary
- Waterbody

Waterbody Assessment *

- Waterbody Assessment Point

Natural Heritage Features*

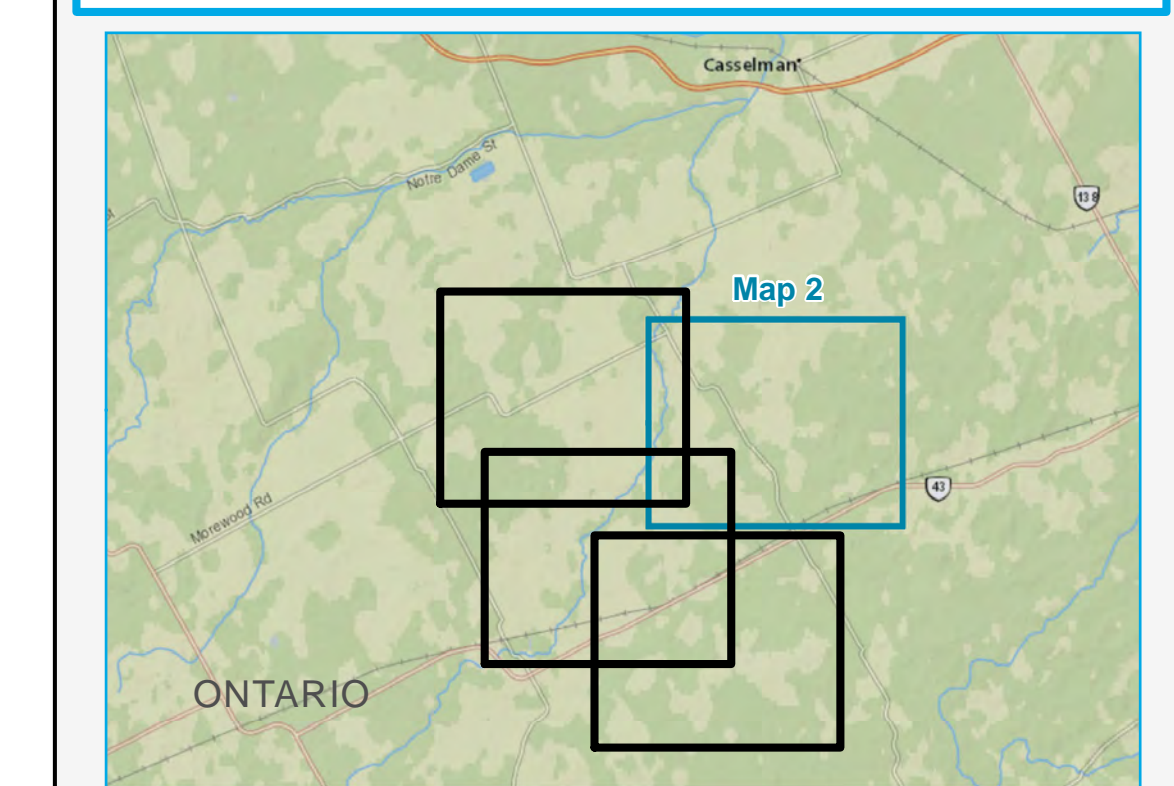
- Significant Wetland¹
- Significant Woodland
- Significant Habitats for Species of Conservation Concern
- Treated as Significant Specialized Wildlife Habitats and Rare Vegetation Communities²
- Significant Seasonal Concentration Areas
- Treated as Significant Seasonal Concentration Areas²
- Generalized Significant Wildlife Habitats³

* Natural Features Distance: See App. E Evaluation of Significance Report Table 7 and 8.
Waterbody Distance: See App. F Water Body Report Table 4.
Receptor Distance: See App. G NIA Table 7-2.

1 - Natural Features that have been Treated as Significant following Appendix C: Wetland Characteristics and Ecological Functions Assessment for Renewable Energy Projects of the Natural Heritage Assessment Guide for Renewable Energy Projects. (OMNR 2012).

2 - Candidate Significant Wildlife Habitats that have been Treated As Significant with a commitment to conduct pre-construction surveys to determine significance, or which access to the habitat to conduct surveys has been denied.

3 - Generalized Candidate Significant Wildlife Habitats that have been Treated As Significant following the Natural Heritage Assessment Guide for Renewable Energy Projects (OMNR 2012).



Nation Rise Wind Farm

**SITE PLAN
MAP 2**



























001-10021027-211006
10 June 2021

Projection: UTM Zone 18, NAD83
Sources: Land Information Ontario, ArcGIS Online, United Counties of Stormont, Dundas and Glengarry, United Counties of Prescott and Russell, DRAPE (Sept 2014), First Base Solutions (March 2017), NRSL, Goldier.



Legend








Project Components

- | | | | |
|---|------------------------------------|---|--|
|  | Wind Turbine (33) |  | Concentration Areas |
|  | Meteorological Mast |  | Treated as Significant Seasonal Concentration Areas ² |
|  | Collection System |  | Generalized Significant Wildlife Habitat ³ |
|  | Access Road | Cultural Heritage Features | |
|  | Crane Path |  | Cultural Heritage Value Interest |
|  | Temporary Construction Access Road | | |
|  | Turning Radii | | |
|  | Project Location | | |
|  | Permanent Staging / Laydown Area | | |
|  | Property Boundary Setback (132 m) | Noise Receptor * | |
|  | Road and Railway Setback (81 m) |  | 1 Storey Receptor |
|  | Noise Receptor Setback (550 m) |  | 2 Storey Receptor |
|  | Project Location (120 m) |  | 3 Storey Receptor |
|  | Project Location (300 m) |  | Vacant Lot Receptor |
| | |  | Participant Receptor |
| | | Other Components | |
| | |  | Arterial / Collector |
| | |  | Local Road / Street |
| | |  | Railway |

Waterbody Assessment *

- Watebody Assessment Point

Natural Heritage Features*

- | | | | |
|---|---|---|--------------------------------|
|  | Significant Wetland ¹ |  | Watercourse |
|  | Significant Woodland |  | Municipal Drain |
|  | Significant Habitats for Species of Conservation Concern |  | Contour (Interval: 5 m) |
|  | Treated as Significant Specialized Wildlife Habitats and Rare Vegetation Communities ² |  | County Boundary |
| | |  | Municipal Boundary |
| | |  | Property Boundary |
| | |  | City Lights Solar Project Area |
| | |  | Waterbody |

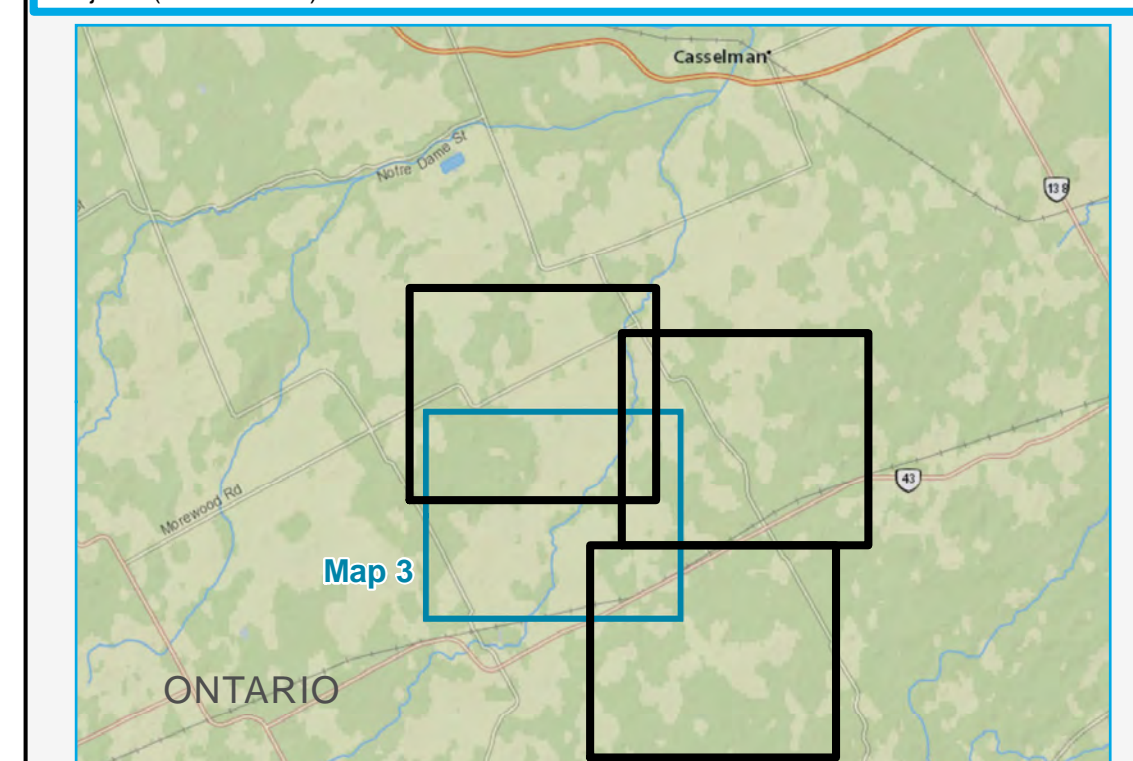
* Natural Features Distance: See App. E Evaluation of Significance Report Table 7 and 8.
Waterbody Distance: See App. F Water Body Report Table 4.

Receptor Distance: See App. G NIA Table 7-2.

1 - Natural Features that have been Treated as Significant following Appendix C: Wetland Characteristics and Ecological Functions Assessment for Renewable Energy Projects of the Natural Heritage Assessment Guide for Renewable Energy Projects. (OMNR 2012).

2 - Candidate Significant Wildlife Habitats that have been Treated As Significant with a commitment to conduct pre-construction surveys to determine significance, or which access to the habitat to conduct surveys has been denied.

3 - Generalized Candidate Significant Wildlife Habitats that have been Treated As Significant following the Natural Heritage Assessment Guide for Renewable Energy Projects (OMNR 2012).



Nation Rise Wind Farm

SITE PLAN MAP 3



001-10021027-210610

10 June 2021

Projection: UTM Zone 18, NAD83

Sources: Land Information Ontario, ArcGIS Online, United Counties of Stormont, Dundas and Glengarry, United Counties of Prescott and Russell, DRAPE (Sept 2014), First Base Solutions (March 2017), NRSI, Golder.



Legend

Project Components

- Wind Turbine (33)
- Substation, Switchyard
- Meteorological Mast
- Collection System
- Access Road
- Project Location
- Substation Area
- Property Boundary Setback (132 m)
- Road and Railway Setback (81 m)
- Noise Receptor Setback (550 m)
- Project Location (120 m)
- Project Location (300 m)

Generalized Significant Wildlife Habitat ³

Cultural Heritage Features

Cultural Heritage Value Interest

Noise Receptor *

- 1 Storey Receptor
- 2 Storey Receptor
- 3 Storey Receptor
- Vacant Lot Receptor
- Participant Receptor

Other Components

- Arterial / Collector
- Local Road / Street
- Railway
- Existing HONI Transmission Line
- Intermittent Watercourse
- Permanent Watercourse
- Municipal Drain
- Contour (Interval: 5 m)
- County Boundary
- Municipal Boundary
- Property Boundary
- City Lights Solar Project Area
- Waterbody

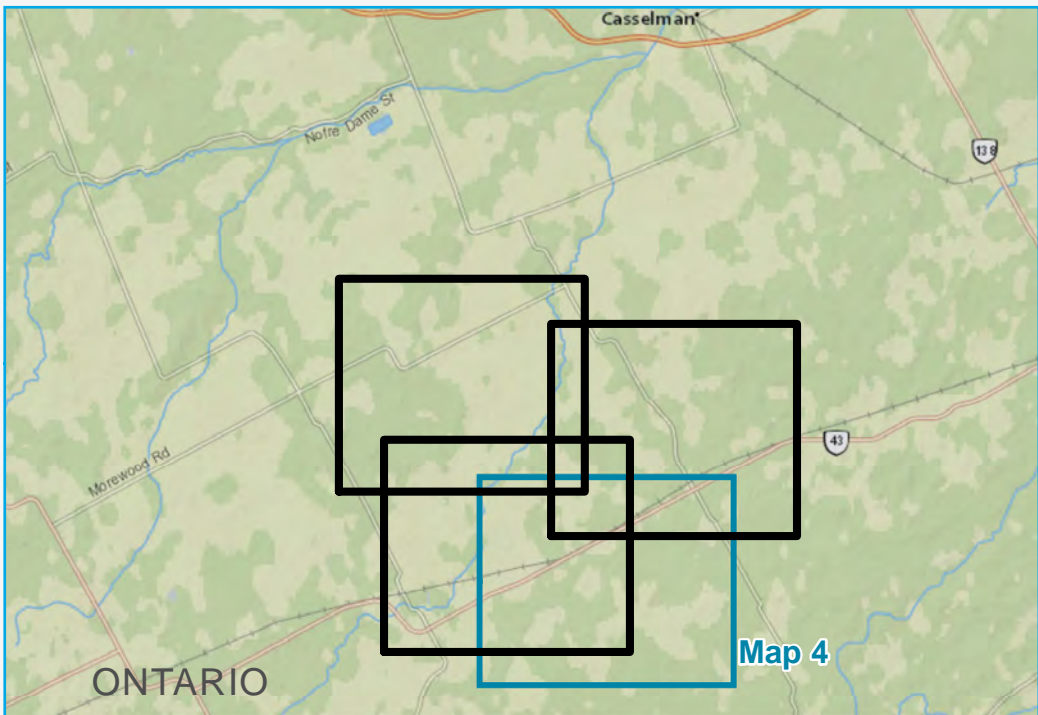
Waterbody Assessment *

- Waterbody Assessment Point

Natural Heritage Features*

- Significant Wetland¹
- Significant Woodland
- Significant Habitats for Species of Conservation Concern
- Significant Specialized Wildlife Habitats and Rare Vegetation Communities
- Treated as Significant Specialized Wildlife Habitats and Rare Vegetation Communities²
- Treated as Significant Seasonal Concentration Areas²

* Natural Features Distance: See App. E Evaluation of Significance Report Table 7 and 8.
Waterbody Distance: See App. F Water Body Report Table 4.
Receptor Distance: See App. G NIA Table 7-2.
1 - Natural Features that have been Treated as Significant following Appendix C: Wetland Characteristics and Ecological Functions Assessment for Renewable Energy Projects of the Natural Heritage Assessment Guide for Renewable Energy Projects (OMNR 2012).
2 - Candidate Significant Wildlife Habitats that have been Treated As Significant with a commitment to conduct pre-construction surveys to determine significance, or which access to the habitat to conduct surveys has been denied.
3 - Generalized Candidate Significant Wildlife Habitats that have been Treated As Significant following the Natural Heritage Assessment Guide for Renewable Energy Projects (OMNR 2012).



Nation Rise Wind Farm

**SITE PLAN
MAP 4**



Projection: UTM Zone 18, NAD83
Sources: Land Information Ontario, ArcGIS Online, United Counties of Stormont, Dundas and Glengarry, United Counties of Prescott and Russell, DRAPE (Sept 2014), First Base Solutions (March 2017), NRSL, Goldier.

001-1002-1027-210610
10 June 2021



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