NATION RISE WIND FARM

Public Community Meeting Summary Report

EDP Renewables Canada Ltd.

On behalf of Nation Rise Wind Farm Limited Partnership.

Document No.: 800916-CAOT-R-02
Issue: A**, Status:** Final
Date: 14 August 2015

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1 INTRODUCTION

In response to the Independent Electricity System Operator (IESO)'s Request for Proposals (RFP) under the Large Renewable Procurement (LRP) process, EDP Renewables Canada Ltd. (EDPR Canada) plans to submit a project proposal for Nation Rise Wind Farm (the Project). EDPR Canada, on behalf of Nation Rise Wind Farm Limited Partnership, is undertaking the required activities outlined in the LRP I RFP, including consultation. As part of this consultation, a public community meeting was held on the 6th of August 2015 in the Township of North Stormont.

The meeting provided a venue for information about the Project to be discussed, ideas exchanged, and feedback gathered from interested stakeholders, including members of the public. This report provides a summary of the public community meeting, including the parties notified, meeting information and participants' comments. This meeting summary report will be delivered to officials of the Township of North Stormont, and made available on the Project website: http://nationrisewindfarm.edpr-windfarms.com/

1.1 General Project Description

The proposed project, known as the Nation Rise Wind Farm is planned to be situated on privately owned properties in the Township of North Stormont. More precisely, this project will be built in the western portion of North Stormont bounded to the south by the Township of South Stormont, to the west by the boundary of the Township of North Dundas. The North part is delimited by the municipal boundaries of Russell and The Nation. Nation River and the Country Road 12 are the east boundaries of Nation Rise Wind Farm (See Figure 1 – General Project Location). It should be noted that EDPR Canada is planning to update the Site Boundary by the bid submission. This area will be a subset of the site boundary presented in Figure 1.

The proposed Project would have a total nameplate capacity of up to 100 MW. EDPR Canada is currently evaluating different wind turbine models for the Project.

The Project will require access roads and laydown areas for assembly of each turbine. The preferred connection point is located on the Transmission Circuit L24A situated within the site and southwest of Crysler. The electrical collection grid could potentially use some existing road right of ways to reach this connection point.

Submission of project proposals to the IESO takes place in September 2015. If the Project is awarded an LRP I contract, further development work would be undertaken in 2016. Construction activities would be expected to begin in 2018 with project completion expected in 2019. The Project life is expected to be 20 years or more.

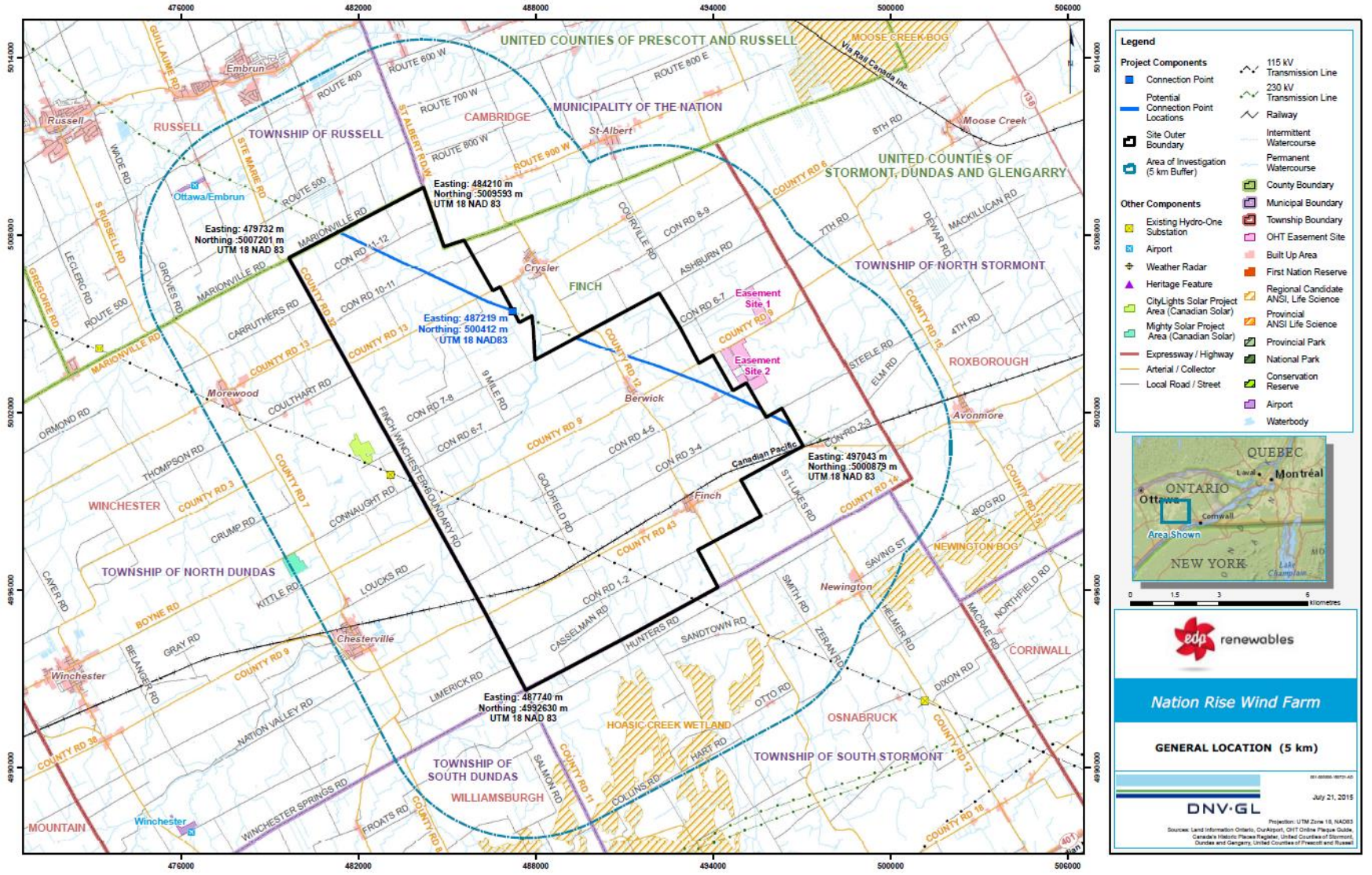


Figure 1 – General Project Location

1.2 Proponent Information

Nation Rise Wind Farm Limited Partnership is the project proponent (the Proponent). EDP Renewables Canada Ltd. is a subsidiary of EDP Renewables North America (EDPR NA) that is the regional office for North America of Energias de Portugal (EDP) which is a vertically-integrated utility company. EDP, which is headquartered in Lisbon (Portugal) is the majority shareholder of EDP Renewables S.A. (EDPR), which is the sole owner of EDPR NA.

EDP Renewables Canada Ltd. is a Qualified Applicant under the LRP program. EDPR is a leading, global renewable energy company devoted to value creation, innovation and sustainability. The company has developed wind farms since 1996 and was first publicly listed in June 2008. More information about EDPR can be found at http://www.edpr.com/.

More information about EDPR Canada can be found at http://www.edpr.com/our-business/our-markets/canada/

Project and contact information for Nation Rise Wind Farm Limited Partnership is as follows:

Qualified Applicant: EDP Renewables Canada Ltd.

Registered Proponent: Nation Rise Wind Farm Limited Partnership

Project Contact: Kenneth Little

Mailing Address: 110 Spadina Ave., Suite 609, Toronto, ON M5V 2K4

Phone number: 1-416-502-9463

Email: Canada.on@edpr.com

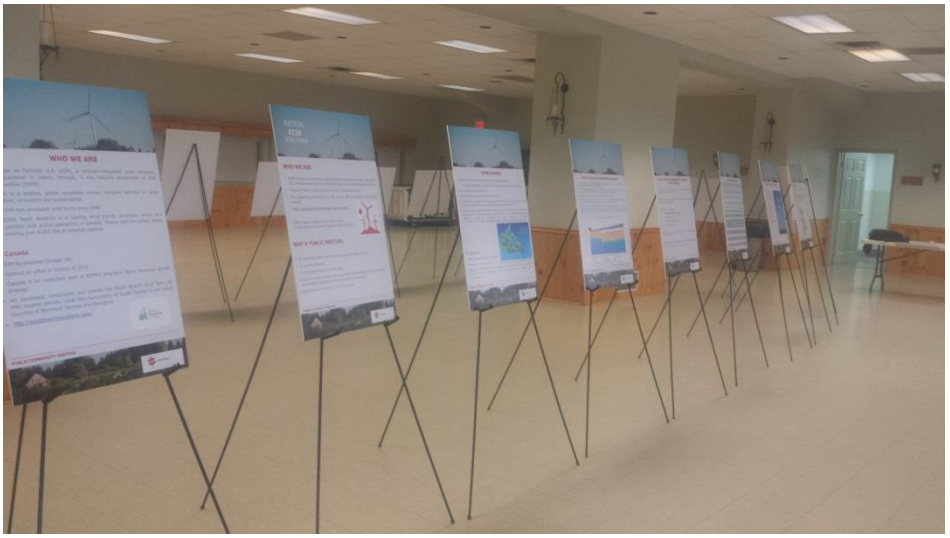
Project website: http://nationrisewindfarm.edpr-windfarms.com/

2 PUBLIC COMMUNITY MEETING

2.1 Meeting Overview

On behalf of the Proponent, EDPR Canada held a public community meeting for the Project on the 6th of August, 2015, from 5:00pm until 8:00pm at the Finch Community Arena in Finch, Ontario. The meeting was attended by approximately 100 members of the public, with 25 individuals signing the provided attendance sheet. Throughout the event, information panels, maps, and background information were available to participants. Ten representatives for the Proponent were at the meeting to discuss the Project, answer questions and gather feedback.

Photos of the event are provided below.


WHO WE ARE


edp

2.2 Public Notification and Project Information

As per the LRP I RFP requirements, the Proponent provided notification as well as project information in advance of the public community meeting. Table 1 provides details on the main notification and information posting events undertaken, as well as other relevant information. Additional public community meeting documentation is included in Appendix A.

Table 1 - Summary of Notification and Information Activities for the Nation Rise Wind Farm Public Community Meeting

Notification and Information Activities			
Event/Activity	**Date**	**Location**	**Comment**
Project documents available for public review	21 July through to 5 August 2015	Posted on the Project website: http://nationrisewindfarm.edpr-windfarms.com/	The following documents were made available: • Site Considerations Information • Community Engagement Plan • Notice of Public Community Meeting
Notice of Public Community Meeting	20-21 July 2015	Sent via Canada Post to: • All assessed landowners within 550 m of the project Site (Connection Line is within the project Site); • All other parties identified in the LRP I RFP Section 3.2.5 (d)(4). Published in the following newspapers: • The Cornwall Standard Freeholder (July 18 & 20, 2015) Posted on the Project website: http://nationrisewindfarm.edpr-windfarms.com/	See Appendix A to view copies of the Notices
Public Community Meeting	6 August 2015	Finch Community Arena – 4 John Street, Finch, ON K0C 1K0	The following were presented to the public: • Display boards • Site Considerations Information • Community Engagement Plan • Large format maps • Comment Sheets

2.3 Information Presented at the Meeting

The information presented at the meeting included the public notice of community meeting, the Site Considerations Information, including sources and background information, the community engagement plan, display boards with information about the Project, siting, timelines, the Renewable Energy Approval process, and wind energy in general. A copy of the display boards are attached in Appendix B of this report.

A constraints map was presented on a table. A representative for the Proponent explained setbacks that are generally applied for turbine siting and identified areas that could potentially be used for wind development.

2.4 Documents Made Available to the Public

All of the information required in the Notice of Public Community Meeting, the Site Considerations Information, the Community Engagement Plan, and the Project display boards were on public display at the public community meeting. Displayed panels provided further information about the proposed project. A list of the documents made available at the public community meeting, as well as copies the Notice of Public Community Meeting are included in Appendix A and B. These documents can be viewed on the Project Website http://nationrisewindfarm.edpr-windfarms.com/.

2.5 Feedback Received

Project information noted in Section 2.3 was on display and representatives of EDPR Canada were available to discuss the project, answer questions, and collect feedback. A comment box was located after the last board.

Table 2 provides a summary of the comments received from the public, throughout the meeting, the question and answer session, as well as through the comment sheets.

Table 2 - Summary of Questions and Comments Provided by the Public

Category of Comment or Question	Comments/Questions	Answers
General Information	Why is the province procuring new power?	The Large Renewable Procurement (LRP) is an important component of Ontario's ongoing commitment to building a cleaner and more sustainable energy system, and represents a key step in the province's 2025 target for renewable energy to comprise about half of Ontario's installed capacity. The IESO is actively securing new sources of electricity due to the scheduled shutdown and refurbishment of Ontario's nuclear fleet: - Bruce and Darlington nuclear fleet refurbishment of 10 reactors scheduled from 2017 through 2028. - Pickering Nuclear Plant scheduled for 2020 shutdown (3,094 MW).
	Will the towers/cables on Circuit L24A be upgraded?	EDPR Canada is not anticipating any significant upgrades to the towers or cables; however, the interconnection process including potential upgrades will only be available to the Project if a bid is successfully awarded.
	What are the chances that this project will get a contract?	There are over 2,300 MW being proposed for the LRP I. Only 300 MW will obtain a contract with the IESO. While EDPR Canada believes that its project will be highly competitive, it is difficult to answer this question. Results from the LRP I RFP are expected by early 2016.
	Are you the only Proponent developing a project within the municipality?	No, another proponent is also developing a wind project (South Nation Wind).
	Can turbines be sited on prime agricultural land?	Yes, solar projects cannot be sited on prime agricultural lands. This requirement is not applicable for wind projects. During operation, less than 1.5 acres are generally required per turbine, including access roads.
	Is it possible to have a wind turbine on my land?	EDPR Canada suggests you to contact us to further look at your property and the applicable setbacks. Not all lands can be used for wind

		development. It should be noted that this Project does not have an agreement with the IESO yet. Results from the RFP are expected by early 2016. Detailed locations of wind turbines would be presented to the public during the REA process.
	Why did you choose our municipality? It is not as windy as Chatham Kent.	Some factors explain why the site has a great potential for wind development: - Proximity to grid : No overhead transmission line; - Agricultural land use highly compatible as less than 1.5 acres are generally required per turbine, including access roads; - Strong wind resource; and - No major natural features and protected areas.
	When is the wind farm going to be operational if it obtains a contract from the IESO?	The Project must attain commercial operation on or before the milestone date for commercial operation (MCOD) prescribed by the LRP I RFP. For On-Shore Wind Projects, the MCOD is 4 years after the effective date of the LRP I contract (expected to be at the end of 2019).
	Do you have all the buildable area land shown on the constraints map signed?	No, the buildable area lands shows where it could be possible to site wind turbines. Signed lands are only a subset of the buildable areas.
	Why don't we just use power from Hydro-Québec?	In November 2014, Ontario and Québec have signed a Memorandum of Understanding (MOU) to exchange electricity capacity to help make power more affordable and reliable in each province. Any significant increase of capacity would require new transmission lines. While not excluding purchasing power from Hydro-Québec, the IESO opted for a competitive procurement, which will drive prices down.
	Why are wind turbines sited near homes?	The minimum setback from homes in Ontario (550 m) has been set by the Ministry of Environment and Climate Changes (MOECC). The main driver in siting wind turbines is generally the noise regulation (40 dBA). Most wind turbines would then be at greater distance from dwellings.

	What factors influence siting of wind turbines?	Multiple factors are considered in designing a wind turbine layout. These include the following: - Wind speed value and direction; - Noise simulation: Modeled sound levels must be lower than 40 dBA at non-participating dwellings and vacant lot receptors; - Minimum turbine spacing; - Access to private lands (including collection system); - Presence of woodlots, watercourses, waterbodies and wetlands; - Presence of wildlife habitats; - Presence of airports, radar, other radio communication systems and other land uses; and - Presence of archaeological and heritage resources.
	How can I be added to the notification list?	Please send us a request at canada.on@edpr.com.
Cost of Energy	How can wind be cheaper when they are paid so much under FIT?	Under the FIT program, projects were paid a flat price of 13.5 cents/kWh. Under the new procurement, projects will be bidding competitively which will drive prices down. In Quebec, the average price of the accepted bids was 7.6 cents/kWh, including 1.3 cents/kWh for transmission costs. This cost for wind power generation in Quebec is now cheaper than new hydroelectric production. Lower costs are expected under the LRP I RFP.
	Hydro power in Niagara is almost free. How can wind be cheaper?	See answer above. Costs under the LRP I RFP will be lower than the previous FIT and RESOP contracts.
	What does the $162/MWh mean on the cost of energy panel (wind)?	This figure was part of the *Lazard's Levelized Cost of Energy Analysis – Version 8.0*. The $162/MWh represents estimated implied midpoint of levelized cost of energy for offshore wind, assuming a capital cost range of $3.10 – $5.50 per watt. Thus this number does not apply to on-shore wind

		applications.
Benefits	How will the local community benefit from the project?	The local community would benefit from the project (if a 100MW contract capacity is awarded): - Expected property taxes over $150,000 annually to North Stormont; - Community Benefit Fund of $1,000/MW annually will be established to contribute to local community projects, events and organizations. Estimated payments totaling $2,500,000 over 25 years. - Regular income for landowners participating in the Nation Rise Wind Farm.
	Are you going to have local workers for the construction and operation of the wind farm?	The EPC Contractor would likely hire local companies during the construction of the wind farm for civil construction activities, general site support, and supplying concrete and aggregate. The project would also benefit local establishments, such as: gas stations, restaurants, hotels, bed and breakfasts and grocery stores.
Project Infrastructure	What would be the turbine height?	The turbine height varies by turbine model. Since the turbine model selection has not been done yet, EDPR Canada cannot provide final height. Based on turbine models being reviewed by EDPR Canada, the total turbine height would most likely vary from 135 to 180 m.
	What model of turbine are you going to install?	The turbine model selection has not been done yet. A model will be selected during the REA process and before completing the Noise Impact Assessment (NIA).
	When will EDPR disclose turbine locations?	Turbine locations would be presented during the REA process.
Property	Will our property values drop?	Property values should not drop based on most reliable studies. MPAC's study concludes that 2012 Current Value Assessments (CVA) of

		properties located within proximity to an Industrial Wind Turbine (IWT) are assessed at their current value and are equitably assessed in relation to homes at greater distances. No adjustments are required for 2012 CVAs. This finding is consistent with MPAC's 2008 CVA report. The 2012 CVA study also found that there is no statistically significant impact on sale prices of residential properties in these market areas resulting from proximity to an IWT. The study underwent a rigorous independent third-party peer review and includes appendices describing the study parameters and documenting the analyses.
Environmental	How is decommissioning ensured?	As part of the REA process, the EDPR Canada will prepare a Decommissioning Plan Report. It provides a plan after ceasing operation and there is a requirement in the Renewable Energy Approval to update it six month prior to the anticipated retirement date. The Proponent will ensure the financial assurance of the decommissioning cost prior to the expected end of the project lifecycle. As described in the landowner land use agreements, the Proponent will ensure that sufficient equity exists to allow the fulfillment of any and all decommissioning costs. EDPR Canada will establish a decommissioning fund to be held within an escrow account by the date of project commissioning (amount per MW).
	What about the migrations path, I know there are a lot of geese in the migration period.	Studies say that geese are generally good at avoiding wind turbines. The first year of post-construction monitoring at the South Branch Wind Farm confirmed that this does not appear to be a major concern in the region.
	Are wind farms subject to bobolink habitat considerations?	During the REA process, wind farms in Ontario must consider any impacts to breeding habitat for several species of grassland birds, such as the Bobolink. During the required Natural Heritage Assessment studies, the Proponent would evaluate any potential breeding areas for the Bobolink and could be required to minimize disturbance during breeding season as well as follow any further requirements requested by the Ministry of Natural Resources and Forestry (MNRF).

	Did you start wildlife studies for this Project?	No, wildlife studies would be undertaken in 2016 if the Project is successfully awarded a contract in the LRP I process.
	Are you going to site turbines in swamps?	These habitats are typically not used for the siting of wind turbines. It is generally a good practice to maintain a certain distance from wetlands and woodlots in order to minimize impacts.
	How is wind turbine noise modeled?	Noise Impact Assessment (NIA) would be undertaken during the REA process by an independent noise consultant. Turbine manufacturer provides noise specifications (Sound power levels). Projects in Class 3 (Rural communities) areas must ensure that the following noise limits are not exceeded for all Points of Reception: 45 dBA for daytime (7am – 7pm), 40 dBA for the evening and nighttime (7pm – 7am). A software for calculation of environmental noise (e.g. CadnaA) is used to determine the expected sound levels. It is modelled considering meteorological conditions favorable to propagation of sound emissions. Barrier attenuation due to topography, foliage and other obstacles are not included in the calculations. Vacant lots allowing for future residential development are considered as well in the NIA. The Ministry of Environment and Climate Change will assess the NIA for completeness and then undertake a technical review to determine whether to issue an approval.
	How far are wind turbines visible?	Visibility is generally influenced by the site topography and land use. Some turbines could be visible at a distance of 15 km while it could also possible to not be able to see turbines at lower distances (e.g. 1 km) due to obstruction (trees, buildings, topography).
	What is the potential impact of wind turbines on AM radio reception?	AM stations are considered in Electromagnetic Interference (EMI) Studies. AM radio antenna systems are sensitive to any tall structures made of conductive material. Reradiation from steel turbine support structures can

		modify the radiation patterns of AM stations and cause interference to other stations. AM signals use lower frequencies and are then less prone to reflection. No impact is generally expected unless the receiver is located in the close vicinity of the wind turbines (a few meters).
	What is the minimum set back from a home?	The minimum setback from homes in Ontario is 550 m. It has been set by the Ministry of Environment and Climate Changes (MOECC) for all wind projects.
	Is there any impact of wind turbines on agriculture?	During operation, less than 1.5 acres are generally required per turbine, including access roads. Impacts are minimal compared to oil and gas wells or solar projects. Landowners are also compensated for any financial lost associated with the presence of Project infrastructures. Satellite imagery below (Source: Google Earth): Agriculture near wind turbines in southern Ontario. 

Safety	Please reduce traffic by public schools during school pick-up + drop-off times.	Comment noted. A Traffic Management Plan would be prepared as part of the REA process and presented to the Township of North Stormont before construction.

Interested stakeholders can also submit any further questions or comments through the Project website http://nationrisewindfarm.edpr-windfarms.com/.

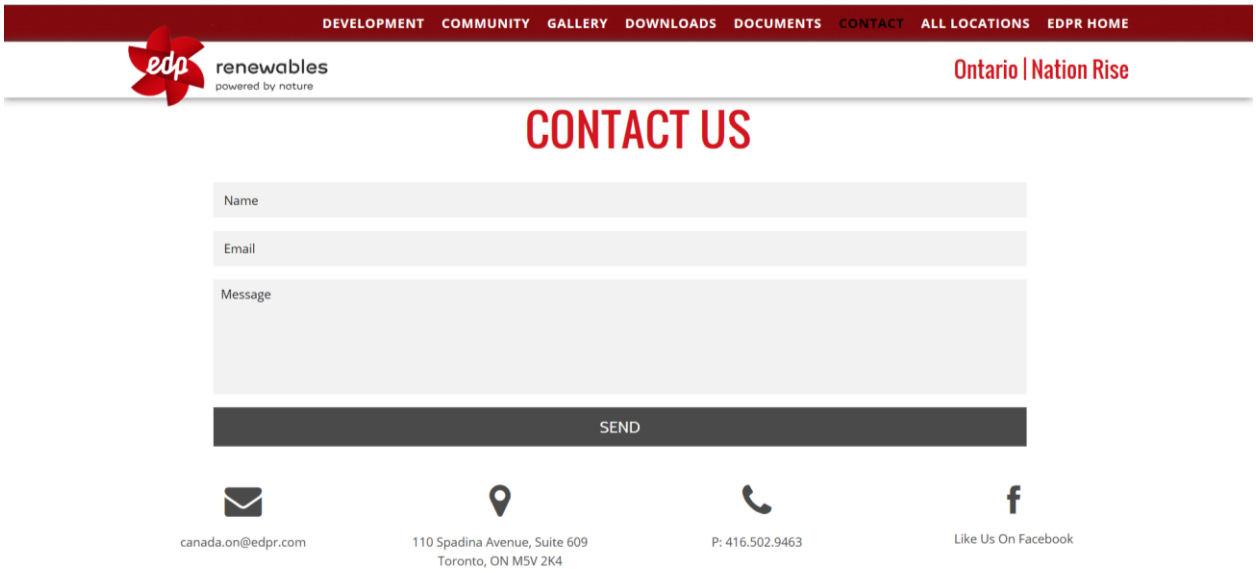


Figure 2: Contact Us - Project Website

3 CONCLUSION

On behalf of the Proponent, EDP Renewables Canada Ltd. held a public community meeting for the Project on the 6th of August, 2015, from 5:00pm until 8:00pm at the Finch Community Arena in Finch, Ontario. The meeting was attended by approximately 100 members of the public.

The public provided feedback in the form of questions and concerns, which have been answered by the ten representatives of the Proponent during the public meeting, documented and addressed in section 2.5. Through this public community meeting, EDPR Canada has provided open communication, information, timely notification and opportunities for feedback to the general public.

EDPR Canada believes that this Project would bring great value to the local economy, create short and long-term job opportunities, and benefit the local community. The Project will also contribute positively to the rate payers, the IESO and province, in producing clean, reliable and cheap energy. Through the REA process, mitigation measures would be proposed to address potential impacts from the Project. As noted in the Community Engagement Plan, the Proponent plans ongoing engagement activities throughout the development and operational phases of the Project. All feedback will also be taken into account in communication with the municipality and in continuing Project development.

APPENDIX A – RELEVANT DOCUMENTATION – PUBLIC COMMUNITY MEETING

Notices of Public Community Meeting

AVIS DE RENCONTRE COMMUNAUTAIRE

par EDP Renewables Canada Ltd. pour Nation Rise Wind Farm Limited Partnership pour une proposition de projet dans le cadre du programme d'approvisionnement en grands projets d'énergie renouvelable (LRP)

EDP Renewables Canada Ltd. conjointement avec the Nation Rise Wind Farm Limited Partnership propose de soumettre une offre à l'Independent Electricity System Operator (IESO) pour concevoir, construire et opérer un projet de génération d'électricité dans le cadre de l'appel d'offres du programme LRP.

Le LRP I RFP est un processus concurrentiel axé sur l'approvisionnement de grands projets d'énergie renouvelable d'une capacité généralement supérieure à 500 kW. Au terme de cette première phase d'appel d'offres, l'IESO pourrait accorder des contrats pour les projets retenus, jusqu'à concurrence des objectifs d'approvisionnement fixés pour chacune des sources d'énergie renouvelable : 300 mégawatts (MW) d'énergie éolien, 140 MW d'énergie solaire, 75 MW d'hydroélectricité et 50 MW de bioénergie.

Le présent avis est distribué pour informer les membres du public de la tenue d'une rencontre communautaire, planifiée pour présenter et échanger sur la proposition de projet à soumettre dans le cadre du LRP I RFP. Des renseignements sur EDP Renewables Canada Ltd., le parc éolien de Nation Rise et la rencontre communautaire sont présentés ci-dessous.

Cette rencontre publique aura lieu dans le cadre des exigences du LRP I RFP relatives à la consultation de la communauté tôt dans le projet. La rencontre communautaire présentera des informations sur le parc éolien de Nation Rise. Des représentants d'EDP Renewables Canada Ltd. seront présents sur place pour discuter du projet et du processus général du LRP I RFP. Si le projet éolien de Nation Rise se voit accorder un contrat, il devra obtenir ultérieurement tous les permis et approbations nécessaires et réaliser toute autre activité exigée de consultation de la communauté. Vous trouverez plus de détails sur le processus du LRP I RFP sur le site internet suivant: www.ieso.ca/lrp (en anglais seulement).

Date de la rencontre: 6 août 2015, De 17 h à 20 h

Localisation de la rencontre: Finch Community Arena – 4 John Street, Finch, ON K0C 1K0

Nom du projet proposé: Parc éolien Nation Rise

Porteur du projet: Nation Rise Wind Farm Limited Partnership

Candidat qualifié dans le cadre du LRP I RFQ: EDP Renewables Canada Ltd.

Source d'énergie renouvelable: Éolien terrestre

Capacité énergétique proposée (MW): 100 MW

Point de raccordement proposé: Le point de raccordement privilégié serait la ligne électrique L24A d'Hydro-One d'un voltage de 230 kV.

Localisation du projet: Le projet de parc éolien Nation Rise serait localisé sur des propriétés privées du canton de North Stormont. De façon plus précise, il serait localisé dans la portion ouest du canton, dont la limite au sud correspond au canton de South Stormont. La limite ouest du projet suit en partie celle du canton de North Dundas alors que le projet se retrouve au sud des municipalités de Russell et de la Nation. À l'est, l'aire du projet suit la rivière Nation et la route 12, à l'exception d'un secteur au centre, couvrant également une zone d'approximativement 3 km à l'est de la route 12.

Description du projet: Le parc éolien Nation Rise est un projet de parc éolien terrestre avec une capacité proposée allant jusqu'à 100 MW (megawatts).

Documentation du projet: L'information sur le projet sera disponible sur le site internet du projet au lien suivant: http://nationrisewindfarm.edpr-windfarms.com/.

Coordonnées pour obtenir de l'information sur le projet :

Personne ressource: Kenneth Little, Gestionnaire du projet
Courriel: canada.on@edpr.com
Téléphone: +1 (416) 502-9463
Site internet: http://nationrisewindfarm.edpr-windfarms.com/
Site internet du développeur: www.edpr.com
Adresse: EDP Renewables Canada Ltd.
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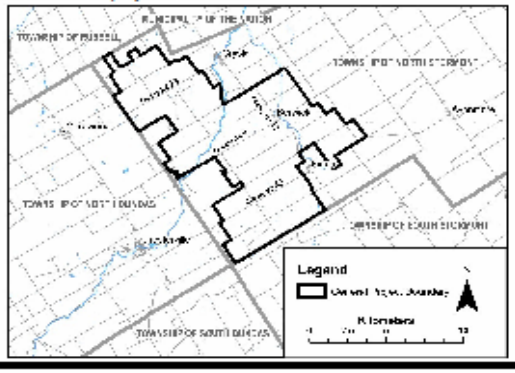


NOTICE OF PUBLIC COMMUNITY MEETING

by EDP Renewables Canada Ltd. on behalf of Nation Rise Wind Farm Limited Partnership
For a Project Proposal Under the Large Renewable Procurement

EDP Renewables Canada Ltd. in conjunction with the Nation Rise Wind Farm Limited Partnership is proposing to submit a proposal to the Independent Electricity System Operator (IESO) to design, build, and operate a Large Renewable Project for the generation of electricity under the IESO's Large Renewable Procurement (LRP).

The LRP is a competitive process for procuring large renewable energy projects generally larger than 500 kilowatts. At the conclusion of the LRP, the IESO may award contracts for successful projects up to the specified procurement targets for each renewable fuel: 300 megawatts (MW) for wind, 140 MW for solar, 75 MW for waterpower, and 50 MW for bioenergy.

This notice is being distributed to notify members of the public of a public community meeting that has been scheduled to discuss the LRP proposal. Information regarding EDP Renewables Canada Ltd., the Nation Rise Wind Farm, and the meeting details are described below.

This public community meeting is being held as part of the early community engagement requirements of the LRP. The public community meeting will present details about the Nation Rise Wind Farm and its proposed connection line. Representatives of EDP Renewables Canada Ltd. will be available to discuss the Nation Rise Wind Farm and the overall LRP process. Should Nation Rise Wind Farm be awarded a contract, the Large Renewable Project would need to obtain all required permits and approvals and conduct any further required community engagement activities. Further details regarding the LRP are available at www.ieso.ca/lrp.

Date of Public Meeting: August 6th, 2015, 5:00pm-8:00pm (17:00 – 20:00)

Location of Public Meeting: Finch Community Arena – 4 John Street, Finch, ON K0C 1K0

Project Name: Nation Rise Wind Farm

Proponent: Nation Rise Wind Farm Limited Partnership

Qualified Applicant From the LRP RFQ Stage: EDP Renewables Canada Ltd.

Renewable Fuel Source: On-Shore Wind

Proposed Capacity: 100 MW

Proposed Connection Point: The Nation Rise Wind Farm is proposed to connect to the 230 kV Hydro One transmission line L24A.

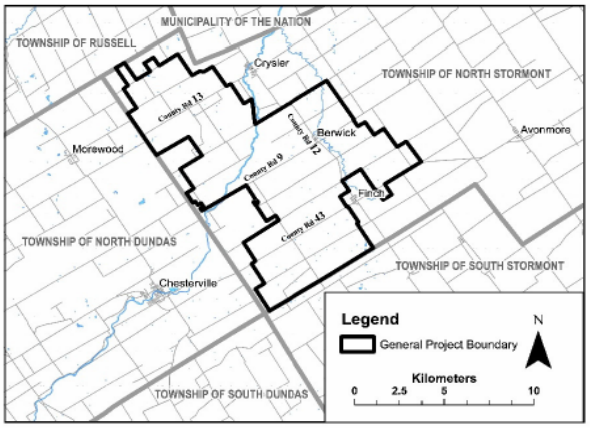
Project Location: The Nation Rise Wind Farm project site is proposed to be located solely on privately owned properties within the Township of North Stormont. The project site is generally located in the western portion of North Stormont bounded to the south by the border of South Stormont, to the west by North Dundas, to the north by Russel and The Nation, to the east by the Nation River north of Concession Road 7-8 and approximately 3 km east of Country Road 12 south of Concession Road 7-8.

Project Description: The Nation Rise Wind Farm is a proposed On-Shore Wind project with a proposed capacity up to 100 MW (megawatts).

Project Documentation: The supporting documents for this project will be posted to the project website: http://nationrisewindfarm.edpr-windfarms.com/.

Project Contact Information:
For further information regarding the project please use any of the following methods.

Point of Contact: Kenneth Little, Project Manager
E-mail: canada.on@edpr.com
Phone: +1 (416) 502-9463
Project Website: http://nationrisewindfarm.edpr-windfarms.com/
Proponent Website: www.edpr.com
Mail : EDP Renewables Canada Ltd.
Attn: Kenneth Little
110 Spadina Ave, Suite 609
Toronto, ON M5V 2K4



ieso
Independent Electricity System Operator

120 Adelaide Street West, Suite 1600
Toronto, Ontario M5H 1T1

T 416-967-7474
F 416-967-1947
www.ieso.ca

Capitalized terms not defined herein have the meanings ascribed to them in the LRP I RFP.

Notice of Public Community Meeting
For a Project Proposal Under the Large Renewable Procurement

The proponent identified below is proposing to submit a proposal to the Independent Electricity System Operator (IESO) to design, build, and operate a Large Renewable Project for the generation of electricity under the IESO's Large Renewable Procurement (LRP).

The LRP is a competitive process for procuring large renewable energy projects generally larger than 500 kilowatts. At the conclusion of the LRP, the IESO may award contracts for successful projects up to the specified procurement targets for each renewable fuel: 300 megawatts (MW) for wind, 140 MW for solar, 75 MW for waterpower, and 50 MW for bioenergy.

This notice is being distributed to notify members of the public of a public community meeting that has been scheduled to discuss the Large Renewable Project proposal. Information regarding the proponent, the Large Renewable Project proposal, and the meeting details are described below.

This public community meeting is being held as part of the early community engagement requirements of the LRP. The public community meeting will present details about the Large Renewable Project and its proposed connection line. Representatives of the proponent will be available to discuss the Large Renewable Project and the overall LRP process. Should this Large Renewable Project be awarded a contract, the Large Renewable Project would need to obtain all required permits and approvals and conduct any further required community engagement activities.

Further details regarding the LRP are available at www.ieso.ca/lrp.

Proponent and the Large Renewable Project proposal

Proponent:	Nation Rise Wind Farm Limited Partnership
Qualified Applicant from the LRP Request for Qualifications stage associated with the proponent:	EDP Renewables Canada Ltd.
Name of the Large Renewable Project proposal:	Nation Rise Wind Farm
Renewable fuel of the Large Renewable Project:	On-Shore Wind
Proposed capacity of the Large Renewable Project (MW):	100 MW
Proposed connection point of the Large Renewable Project:	Transmission Circuit L24A

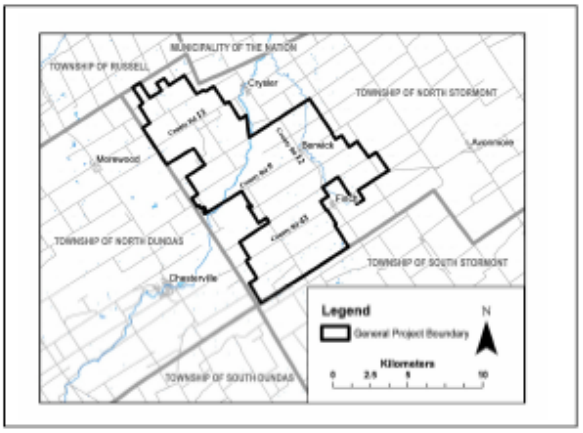
ieso
Independent Electricity System Operator

120 Adelaide Street West, Suite 1600
Toronto, Ontario M5H 1T1

T 416-967-7474
F 416-967-1947
www.ieso.ca

Proposed location of the Large Renewable Project and proposed connection line

The Nation Rise Wind Farm project site is proposed to be located solely on privately owned properties within the Township of North Stormont. The project site is generally located in the western portion of North Stormont bounded to the south by the border of South Stormont, to the west by North Dundas, to the north by Russel and The Nation, to the east by the Nation River north of Concession Road 7-8 and approximately 3 km east of Country Road 12 south of Concession Road 7-8.
It is not anticipated that the Nation Rise Wind Farm project site will incorporate any provincial Crown lands.



Public community meeting information

Finch Community Arena 4 John Street, Finch, ON K0C 1K0
August 6th, 2015
1700-2000 (5:00pm – 8:00pm)

Contact information for the proponent

Kenneth Little
Project Manager
+1 (416) 502-9463
Canada.on@edpr.com
110 Spadina Ave., Suite 609 Toronto, ON M5V 2K4
http://nationrisewindfarm.edpr-windfarms.com/
www.edpr.com

A2 ■ CORNWALL STANDARD FREEHOLDER ■ SATURDAY, JULY 18, 2015

GREAT LAKES SUSTAINABILITY FUND

Mapping industrial sediment

This map shows the zones of mercury sediments along the Cornwall waterfront.

Swimmer Merpaw arrives in Cornwall

Swimmer David Merpaw arrived in Cornwall at noon on Friday to a crowd of people cheering him on. Merpaw is swimming from Kingston to Montreal to raise awareness of the work of the St. Lawrence River Institute of Environmental Sciences.

WORKING GROUP FORMED

Deciding future of Kemptville campus

NOTICE OF PUBLIC COMMUNITY MEETING

by EDP Renewables Canada Ltd. on behalf of Nation Rise Wind Farm Limited Partnership For a Project Proposal Under the Large Renewable Procurement

EDP Renewables Canada Ltd. in conjunction with the Nation Rise Wind Farm Limited Partnership is proposing to submit a proposal to the Independent Electricity System Operator (IESO) to design, build, and operate a Large Renewable Project for the generation of electricity under the IESO's Large Renewable Procurement (LRP).

The LRP is a competitive process for procuring large renewable energy projects generally larger than 500 kilowatts. At the conclusion of the LRP, the IESO may award contracts for successful projects up to the specified procurement targets for each renewable fuel: 300 megawatts (MW) for wind, 140 MW for solar, 75 MW for waterpower, and 50 MW for bioenergy.

This notice is being distributed to notify members of the public of a public community meeting that has been scheduled to discuss the LRP proposal. Information regarding EDP Renewables Canada Ltd., the Nation Rise Wind Farm, and the meeting details are described below.

This public community meeting is being held as part of the early community engagement requirements of the LRP. The public community meeting will present details about the Nation Rise Wind Farm and its proposed connection line. Representatives of EDP Renewables Canada Ltd. will be available to discuss the Nation Rise Wind Farm and the overall LRP process. Should Nation Rise Wind Farm be awarded a contract, the Large Renewable Project would need to obtain all required permits and approvals and conduct any further required community engagement activities.
Further details regarding the LRP are available at www.ieso.ca/lrp.

Date of Public Meeting: August 6th, 2015, 5:00pm-8:00pm (17:00 – 20:00)
Location of Public Meeting: Finch Community Arena – 4 John Street, Finch, ON K0C 1K0 [illegible]
Project Name: Nation Rise Wind Farm
Proponent: Nation Rise Wind Farm Limited Partnership
Qualified Applicant From the LRP RFQ Stage: EDP Renewables Canada Ltd.
Renewable Fuel Source: On-Shore Wind
Proposed Capacity: 100 MW
Proposed Connection Point: The Nation Rise Wind Farm is proposed to connect to the 230 kV Hydro One transmission line L24A.
Project Location: The Nation Rise Wind Farm project site is proposed to be located solely on privately owned properties within the Township of North Stormont. The project site is generally located in the western portion of North Stormont bounded to the south by the border of South Stormont, to the west by North Dundas, to the north by Russell and The Nation, to the east by the Nation River north of Concession Road 7-8 and approximately 3 km east of County Road 12 south of Concession Road 7-8.
Project Description: The Nation Rise Wind Farm is a proposed On-Shore Wind project with a proposed capacity up to 100 MW (megawatts).
Project Documentation: The supporting documents for this project will be posted to the project website: http://nationrisewindfarm.edpr-windfarms.com/

Project Contact Information:
For further information regarding the project please use any of the following methods.
Point of Contact: Kenneth Little, Project Manager
E-mail: canada.on@edpr.com
Phone: +1 (416) 502-8463
Project Website: http://nationrisewindfarm.edpr-windfarms.com/
Proponent Website: www.edpr.com
Mail: EDP Renewables Canada Ltd.
Attn: Kenneth Little
110 Spadina Ave, Suite 609
Toronto, ON M5V 2K4

IN BRIEF

Sexual assault

CONTACT US

AGAPE CENTRE

Children's Treatment Centre
Saturday, July 18th, 2015
Hon. Edward Lumley & Mrs. Pat Lumley

IN PICTURES

K9 Sports Festival

Victory leaps over a jump lead on by handler Kelly St. Jacques during the K9 Sports Fest on Sunday in Moorefield.

K9 Sports Fest participant Traffic lands in the water in the long jump competition as handler Sue Joy looks on.

Ava follows handler Kelly St. Jacques in a sprint competition during the K9 Sports Fest on Sunday at the Metcalfe Fairgrounds.

Jax herds as he up during the K9 Sports Fest herding contest on Sunday.

NOTICE OF PUBLIC COMMUNITY MEETING

by EDP Renewables Canada Ltd. on behalf of South Branch Wind Farm II Limited Partnership For a Project Proposal Under the Large Renewable Procurement

EDP Renewables Canada Ltd. in conjunction with the South Branch Wind Farm II Limited Partnership is proposing to submit a proposal to the Independent Electricity System Operator (IESO) to design, build, and operate a Large Renewable Project for the generation of electricity under the IESO's Large Renewable Procurement (LRP).

The LRP is a competitive process for procuring large renewable energy projects generally larger than 500 kilowatts. At the conclusion of the LRP, the IESO may award contracts for successful projects up to the specified procurement targets for each renewable fuel: 300 megawatts (MW) for wind, 140 MW for solar, 75 MW for waterpower, and 50 MW for bioenergy.

This notice is being distributed to notify members of the public at a public community meeting that has been scheduled to discuss the LRP proposal. Information regarding EDP Renewables Canada Ltd., the South Branch II Wind Farm, and the meeting details are described below.

This public community meeting is being held as part of the early community engagement requirements of the LRP. The public community meeting will present details about the South Branch II Wind Farm and its proposed connection line. Representatives of EDP Renewables Canada Ltd. will be available to discuss the South Branch II Wind Farm and the overall LRP process. Should South Branch II Wind Farm be awarded a contract, the Large Renewable Project would need to obtain all required permits and approvals and conduct any further required community engagement activities. Further details regarding the LRP are available at www.ieso.ca/lrp.

Date of Public Meeting: August 5th, 2015, 5:00pm-8:00pm (17:00 – 20:00)
Location of Public Meeting: Matilda Hall - 4401 County Road 16/Matilda Road, Matilda, ON K0E 1S0
Project Name: South Branch II Wind Farm
Proponent: South Branch Wind Farm II Limited Partnership
Qualified Applicant: EDP Renewables Canada Ltd.
Renewable Fuel Source: On-Shore Wind
Proposed Capacity: 75 MW
Proposed Connection Point: The South Branch II Wind Farm is proposed to connect to one or a combination of the 230 kV Hydro One transmission lines L20H, L21H or L22H.
Project Location: The South Branch II Wind Farm project site is proposed to be located solely on privately owned properties within the Township of South Dundas. The project site is generally located in the northern portion of South Dundas bounded to the south by Weddell Road, to the west by County Road 15 and Dewitse Road, to the north by the boundary of North Dundas, and extending approximately 1 km east of Country Road 3/1.
Project Description: The South Branch II Wind Farm is a proposed On-Shore Wind project with a proposed capacity up to 75 MW (megawatts). Project Documentation: The supporting documents for this project will be posted to the project website: http://southbranch-2.edpr-windfarms.com/

Project Contact Information:
For further information regarding the project please use any of the following methods.
Point of Contact: Kenneth Little,
Project Manager
E-mail: canada.on@edpr.com
Phone: +1 (416) 500-9463
Project Website:
http://southbranch-2.edpr-windfarms.com/
Proponent Website: www.edpr.com
Mail: EDP Renewables Canada Ltd.
Attn: Kenneth Little
110 Spadina Ave, Suite 600
Toronto, ON M5V 2K4

NOTICE OF PUBLIC COMMUNITY MEETING

by EDP Renewables Canada Ltd. on behalf of Nation Rise Wind Farm Limited Partnership For a Project Proposal Under the Large Renewable Procurement

EDP Renewables Canada Ltd. in conjunction with the Nation Rise Wind Farm Limited Partnership is proposing to submit a proposal to the Independent Electricity System Operator (IESO) to design, build, and operate a Large Renewable Project for the generation of electricity under the IESO's Large Renewable Procurement (LRP).

The LRP is a competitive process for procuring large renewable energy projects generally larger than 500 kilowatts. At the conclusion of the LRP, the IESO may award contracts for successful projects up to the specified procurement targets for each renewable fuel: 300 megawatts (MW) for wind, 140 MW for solar, 75 MW for waterpower, and 50 MW for bioenergy.

This notice is being distributed to notify members of the public at a public community meeting that has been scheduled to discuss the LRP proposal. Information regarding EDP Renewables Canada Ltd., the Nation Rise Wind Farm, and the meeting details are described below.

This public community meeting is being held as part of the early community engagement requirements of the LRP. The public community meeting will present details about the Nation Rise Wind Farm and its proposed connection line. Representatives of EDP Renewables Canada Ltd. will be available to discuss the Nation Rise Wind Farm and the overall LRP process. Should Nation Rise Wind Farm be awarded a contract, the Large Renewable Project would need to obtain all required permits and approvals and conduct any further required community engagement activities. Further details regarding the LRP are available at www.ieso.ca/lrp.

Date of Public Meeting: August 6th, 2015, 5:00pm-8:00pm (17:00 – 20:00)
Location of Public Meeting: Finch Community Arena – 4 John Street, Finch, ON K0C 1K0
Project Name: Nation Rise Wind Farm
Proponent: Nation Rise Wind Farm Limited Partnership
Qualified Applicant From the LRP RFQ Stage: EDP Renewables Canada Ltd.
Renewable Fuel Source: On-Shore Wind
Proposed Capacity: 100 MW
Proposed Connection Point: The Nation Rise Wind Farm is proposed to connect to the 230 kV Hydro One transmission line L24A.
Project Location: The Nation Rise Wind Farm project site is proposed to be located solely on privately owned properties within the Township of North Stormont. The project site is generally located in the western portion of North Stormont bounded to the south by the border of South Stormont, to the west by North Dundas, to the north by Russell and The Nation, to the east by the Nation River north of Concession Road 7-8 and approximately 3 km east of Country Road 12 south of Concession Road 7-8.
Project Description: The Nation Rise Wind Farm is a proposed On-Shore Wind project with a proposed capacity up to 100 MW (megawatts).
Project Documentation: The supporting documents for this project will be posted to the project website: http://nationrisewindfarm.edpr-windfarms.com/

Project Contact Information:
For further information regarding the project please use any of the following methods.
Point of Contact: Kenneth Little,
Project Manager
E-mail: canada.on@edpr.com
Phone: +1 (416) 500-9463
Project Website:
http://nationrisewindfarm.edpr-windfarms.com/
Proponent Website: www.edpr.com
Mail: EDP Renewables Canada Ltd.
Attn: Kenneth Little
110 Spadina Ave, Suite 600
Toronto, ON M5V 2K4

APPENDIX B –DISPLAY BOARDS– PUBLIC COMMUNITY MEETING

WELCOME TO THE NATION RISE WIND FARM PUBLIC COMMUNITY MEETING

BIENVENUE À LA SÉANCE D'INFORMATION PUBLIQUE DU PARC ÉOLIEN NATION RISE

AUGUST 2015

edp renewables

WHO WE ARE

- Energias de Portugal, S.A. (EDP), a vertically-integrated utility company, headquartered in Lisbon, Portugal, is the majority shareholder of EDP Renewables (EDPR).
- EDPR is a leading, global renewable energy company devoted to value creation, innovation and sustainability.
  - EDPR has developed wind farms since 1996.
  - EDPR North America is a leading wind energy developer, owner and operator with active operations in Canada, Mexico and the United States totaling over 4,000 MW of installed capacity.

In Canada

- EDP Renewables Canada Ltd.
- Opened an office in Toronto in 2010.
- Canada is an important part of EDPR's long-term North American growth strategy.
- We developed, constructed and operate the South Branch Wind Farm (30 MW) located entirely inside the municipality of South Dundas in the United Counties of Stormont, Dundas and Glengarry.
- http://southbranchwindfarm.com/

SOUTH BRANCH WIND FARM

PUBLIC COMMUNITY MEETING

edp renewables

WHO WE ARE

- EDPR Canada is planning to submit the Nation Rise Wind Project in the 2015 LRP I RFP facilitated by the Independent Electricity System Operator (IESO).
- Proponent Name: Nation Rise Wind Farm Limited Partnership
- The supporting documents for this project will be posted to the project website:

  http://nationrisewindfarm.edpr-windfarms.com

- EDPR Canada hosted the first open house for the Nation Rise Wind Project on May 7th, 2015.

WHY A PUBLIC MEETING

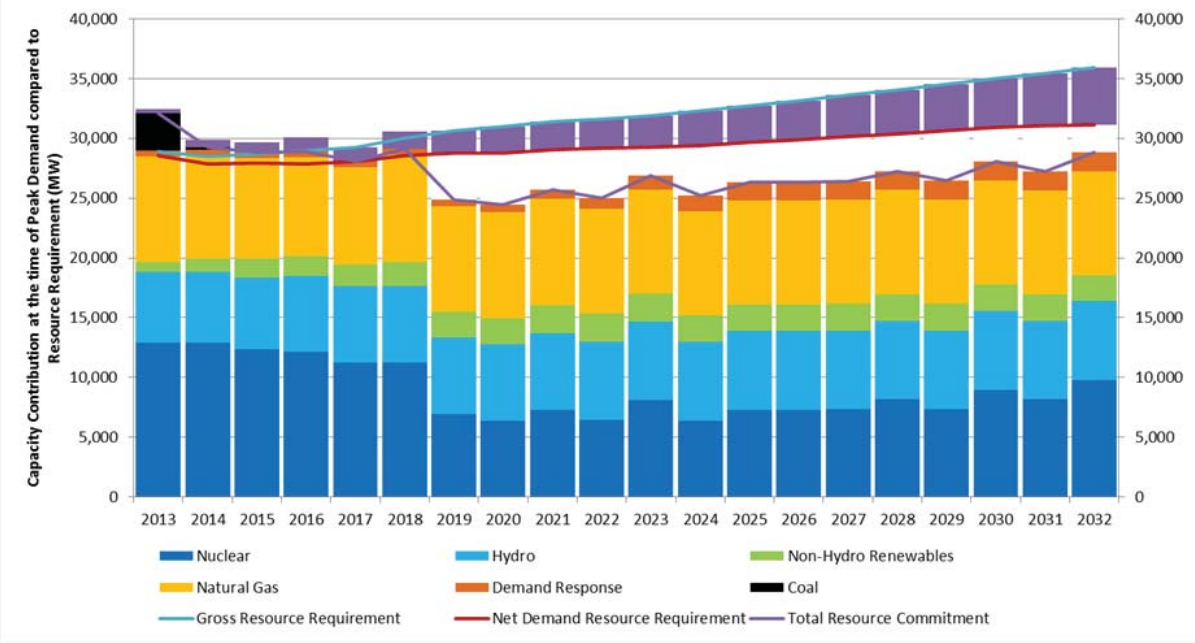
- To inform the public and discuss the project in greater detail.
- To answer questions.
- To meet and engage with the public.
- Allow for exchange with citizens and take into consideration their comments and feedback regarding the development of the project.

PUBLIC COMMUNITY MEETING

WHY IS THE IESO PROCURING POWER?

- The IESO is actively securing new sources of electricity due to the scheduled shutdown and refurbishment of Ontario's nuclear fleet (Figure 1).
  - Bruce and Darlington nuclear fleet refurbishment of 10 reactors scheduled from 2017 through 2028, creating 750 – 2,381 MW of reduced generation capacity annually.
  - Pickering Nuclear Plant scheduled for 2020 shutdown (3,094 MW).
- The IESO is procuring additional power to account for these reductions through the LRP process, increased Quebec import commitments, and the creation of a capacity market.
- Wind energy is an integral component to the new procurement strategy as it is the second cheapest new-build generation in North America, offers a fixed contract pricing over 20 years, and compliments other generation sources on the grid as wind can be curtailed quickly by the IESO.

Figure 1. Ontario's Generation Mix



*Source: Power Advisory LLC, 2014

PUBLIC COMMUNITY MEETING

IESO's LARGE RENEWABLE PROCUREMENT (LRP) PROCESS

- The LRP is a competitive process for procuring large renewable energy projects generally larger than 500 kilowatts.

- IESO will award contracts based on LRP results up to specified procurement targets for each renewable fuel.

- Targets for each renewable fuel:
  - **300 megawatts (MW) for wind**;
  - 140 MW for solar;
  - 75 MW for waterpower; and
  - 50 MW for bioenergy.

- Selected projects will be awarded 20 year electricity contracts, indexed at 20% of inflation (CPI).

- EDP Renewables Canada Ltd. (EDPR Canada) is a Qualified Applicant eligible to submit proposals under the LRP I Request for Proposal.

PUBLIC COMMUNITY MEETING

LRP PROCESS OVERVIEW

1	Government of Ontario releases the Long Term Energy Plan. The plan commits Ontario to procure the remaining MWs to meet a target of 20,000 MW of renewable power by 2025	**DECEMBER 2013**
2	Minister of Energy cancels Feed-In Tariff program in favor of the LRP - a competitive bid process that will lower the price of renewable electricity and focus on community engagement.	**MARCH 2014**
3	OPA issues a Request for Qualification (RFQ) to prequalify companies for the LRP	**JULY 2014**
4	Developer qualifies to participate in the Request for Proposals (RFP) stage	**NOVEMBER 2014**
5	IESO finalizes RFP rules	**APRIL 2015**
6	Public Meeting	**AUGUST 2015**
7	RFP Project submission to the new IESO	**SEPEMBER 1 2015**
8	LRP 1 to be awarded to the best renewable energy projects in Ontario for: - 300 MW Wind; - 140 MW Solar; - 75 MW Hydroelectric, and; - 50 MW Bioenergy	**WINTER 2015**
9	Consultation process to continue for 2-3 more years before construction by continuing project design/layout, and environmental permitting	**POST CONTRACT**
10	Continue engaging host communities; Aboriginals Communities; and all other interested stakeholders: REA process commences	**ONGOING**
11	On-shore wind projects expected to reach Commercial Operations Date	**4 YEARS AFTER CONTACT AWARD**

PUBLIC COMMUNITY MEETING

WIND ENERGY

- Almost no pollutant emissions during the operations phase:
  - Produce no greenhouse gases or air pollution as they generate electricity.
- Low electricity production cost
- Wind farms life expectancy is 25 to 30 years.
- Provides new income for local community through property taxes, annual Community Benefit Fund, and stable revenues for landowners.
- Wind energy compliments other generation sources in Ontario due to the fast response to curtailment requests from the IESO. This capability allowed the IESO to avoid an estimated 18 nuclear shutdowns in 2014. (Source: Bruce Campbell, IESO CEO http://www.ieso.ca/Documents/media/BCampbell_OEN_20150126.pdf)

In Ontario

- Total installed capacity: 3,927 MW
- Number of turbines: 1,852

Source: http://canwea.ca/wind-energy/installed-capacity/

- Ontario is a leader in new installations of wind energy, with close to 1,000 MW of new capacity delivered in 2014, worth more than $1.7 billion in new investments.

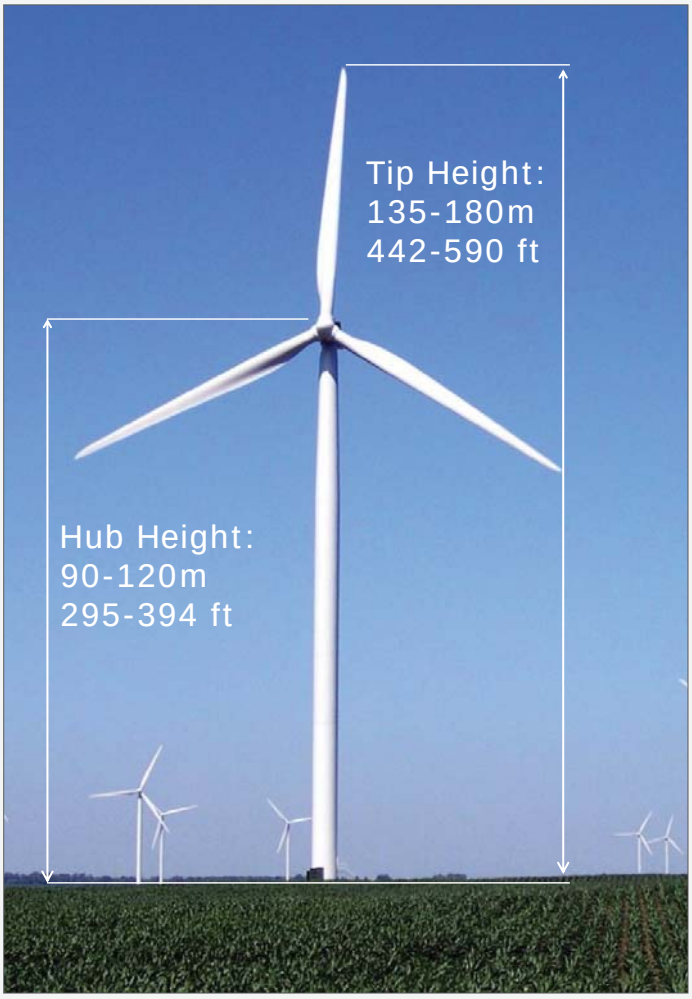
PUBLIC COMMUNITY MEETING

TYPICAL PROJECT INFRASTRUCTURE

- Wind Turbine
  - Blades (45 to 60 m)
  - Hub Height (90 to 120 m)
  - Tip Height (135 to 180 m)
  - Hub
  - Foundation
  - Capacity (2 to 3.5 MW)
- Access Roads
- Collector System

(Underground cables)

- Substation
- Operation and maintenance building



PUBLIC COMMUNITY MEETING

NATION RISE WIND FARM

PROJECT DESCRIPTION

- Development of the Nation Rise wind project began in 2012 with the installation of one 60m meteorological tower.
- Since then, the EDPR Canada development team has constructed an additional 100m meteorological tower and secured more than 12,000 acres through land agreements with approximately 70 individuals.
- Proposed capacity of the Large Renewable Project: 100 MW.
- Proposed connection point of the Large Renewable Project: 230 kV Hydro One transmission line L24A.
- Project infrastructure design is under development.
- Generation of clean energy to power approximately 28,000 Ontario homes.

ADVANTAGES OF THE SITE

Proximity to grid : No overhead transmission line

Agricultural land use highly compatible as less than 1.5 acres are generally required per turbine, including access roads

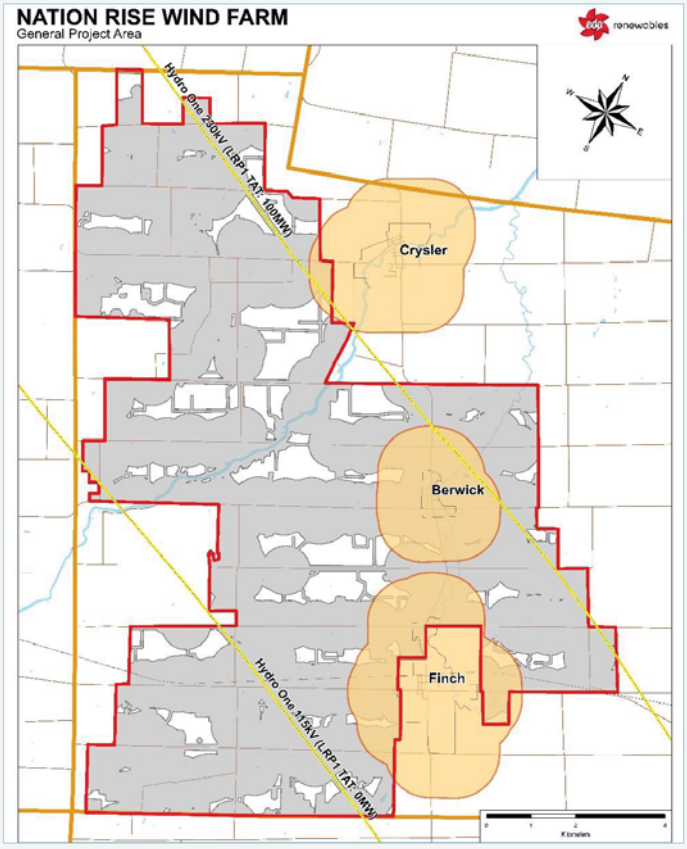
Strong wind resource

No significant natural features in the vicinity of the site

PUBLIC COMMUNITY MEETING

PROJECT LOCATION

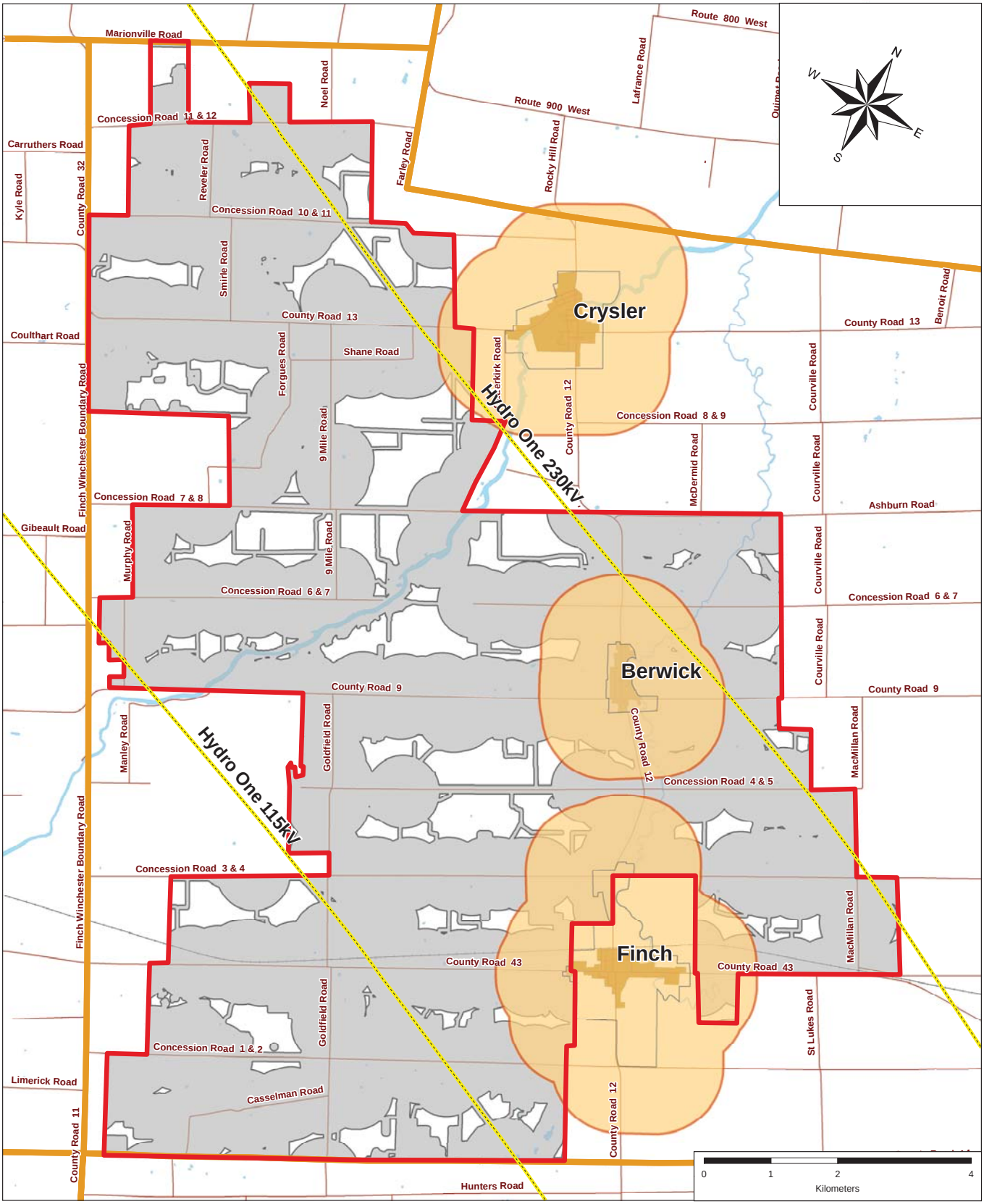
- Nation Rise Wind Farm is set to be located approximately 60 kilometers Southeast of Ottawa in the United Counties of Stormont, Dundas and Glengarry.
- More precisely, this project would be built in the western part of the Township of North Stormont, generally west of Crysler, Berwick and Finch.
- Wind turbines would be installed on privately owned properties only.



PUBLIC COMMUNITY MEETING

NATION RISE WIND FARM

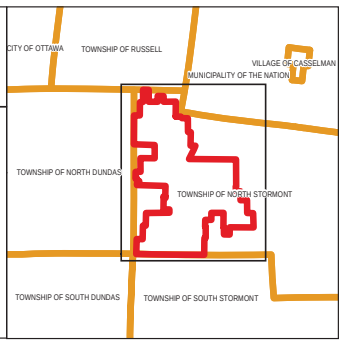
General Project Area



Legend

- Transmission Line
- General Project Area
- Township Boundary
- Current Urban Areas
- SD&G Settlement Areas
- 1km No Turbine buffer from Settlement Areas
- Indicative No Turbine Areas

Author: Ryan O'Connor
Date / Time: 04 August 2015 / 11:19 AM
Version: FOR PUBLIC CONSULTATION PURPOSES
Datum: WGS 1984
Projection: WGS 1984 UTM Zone 18N
Scale: 1:25,390
Sources: EDPR, ESRI, Ventyx, GLGH



PUBLIC INFORMATION

ECONOMIC BENEFITS

- **Construction**
  - Local employment. The 30 MW South Branch Wind Farm provided over 100 jobs at peak construction activity, with over $4,000,000 in local spend. The amount of local spend will increase proportionally with project size, likely greater than $10,000,000 for a 100 MW project.
  - Commitment from EDPR to establish a Road User's Agreement (RUA) modelled after the agreement reached with South Dundas, North Dundas and SD&G Counties. $2,700,000 was paid to the county and townships from the construction of the South Branch Wind Farm through the RUA.
- **Operation**
  - Local employment.
  - Regular income for the landowners.
  - Expected property taxes of over $150,000 annually to North Stormont.
  - An annual Community Benefit Fund of $1,000/MW of installed capacity will be in place to contribute to local community projects, events and organizations.

PUBLIC COMMUNITY MEETING

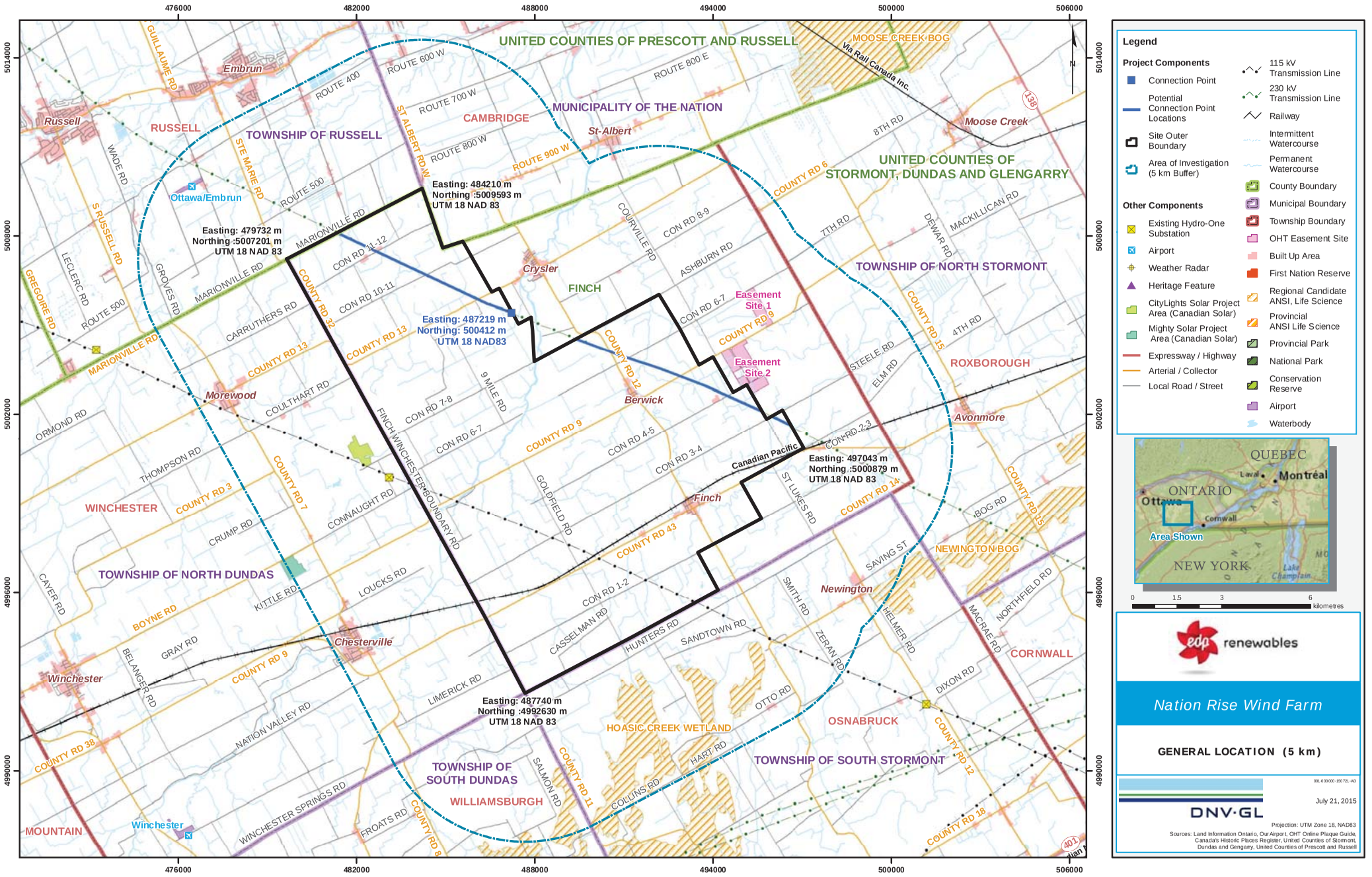
SITE CONSIDERATIONS INFORMATION

- Prepared by DNV GL

  - World's largest provider of independent renewable energy advice. The recognised authority in onshore wind energy, they are also at the forefront of the offshore wind, wave, tidal, and solar sectors.
  - In Ontario, DNV GL has an in-depth knowledge of the Renewable Energy Approval (REA) process for large scale wind projects.

- Key Features Reviewed for the Site Considerations Information:
  - Provincial Park and Conservation Reserve
  - First Nation Lands
  - Provincially Significant Wetland
  - Significant and Other ANSI (earth and life science) and all candidates
  - Woodland
  - Waterbody, Watercourse and Wetland
  - Endangered or Threatened Species
  - Heritage Resources
  - Highway and Railway
  - Geographic Township and Municipality Boundary
  - Airport and Weather Radar
  - Adjacent Renewable Energy Projects
  - Transmission Line, Gas Pipeline, Quarry

PUBLIC COMMUNITY MEETING



Legend

Project Components

- Connection Point
- Potential Connection Point Locations
- Site Outer Boundary
- Area of Investigation (5 km Buffer)

Other Components

- Existing Hydro-One Substation
- Airport
- Weather Radar
- Heritage Feature
- CityLights Solar Project Area (Canadian Solar)
- Mighty Solar Project Area (Canadian Solar)
- Expressway / Highway
- Arterial / Collector
- Local Road / Street
- 115 kV Transmission Line
- 230 kV Transmission Line
- Railway
- Intermittent Watercourse
- Permanent Watercourse
- County Boundary
- Municipal Boundary
- Township Boundary
- OHT Easement Site
- Built Up Area
- First Nation Reserve
- Regional Candidate ANSI, Life Science
- Provincial ANSI Life Science
- Provincial Park
- National Park
- Conservation Reserve
- Airport
- Waterbody

edp renewables

Nation Rise Wind Farm

GENERAL LOCATION (5 km)

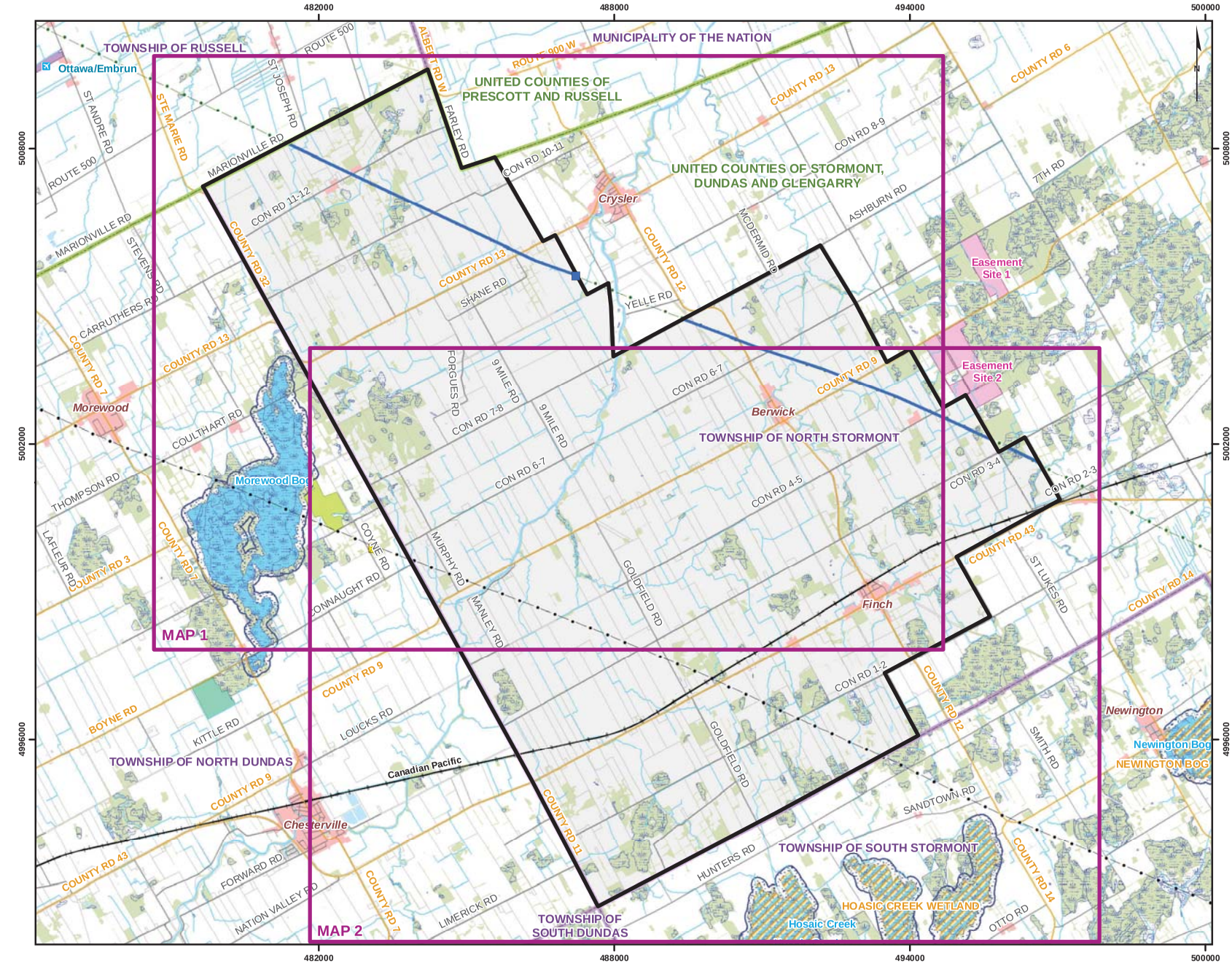
001-0100000-150721-AD

DNV·GL

July 21, 2015

Projection: UTM Zone 18, NAD83

Sources: Land Information Ontario, OurAirport, OHT Online Plaque Guide, Canada's Historic Places Register, United Counties of Stormont, Dundas and Gengarry, United Counties of Prescott and Russell



Legend

Project Components

- Conection Point
- Potential Connection Point Locations
- Site Outer Boundary

Other Components

- Existing Hydro-One Substation
- Airport
- Heritage Feature
- OHT Easement Site
- CityLights Solar Project Area (Canadian Solar)
- Mighty Solar Project Area (Canadian Solar)
- Arterial / Collector
- Local Road / Street
- Railway
- 115 kV Transmission Line
- 230 kV Transmission Line
- Intermittent Watercourse
- Permanent Watercourse
- County Boundary
- Municipal Boundary
- Lot Line
- Built Up Area
- Regional Candidate ANSI, Life Science
- Provincial ANSI Life Science
- Airport
- Wetland
- Provincially Significant Wetland
- Waterbody
- Wooded Area

Consultation Zones

- Provincially Significant Wetland (120 m)

edp renewables

Nation Rise Wind Farm

DETAILED MAP
- OVERVIEW -

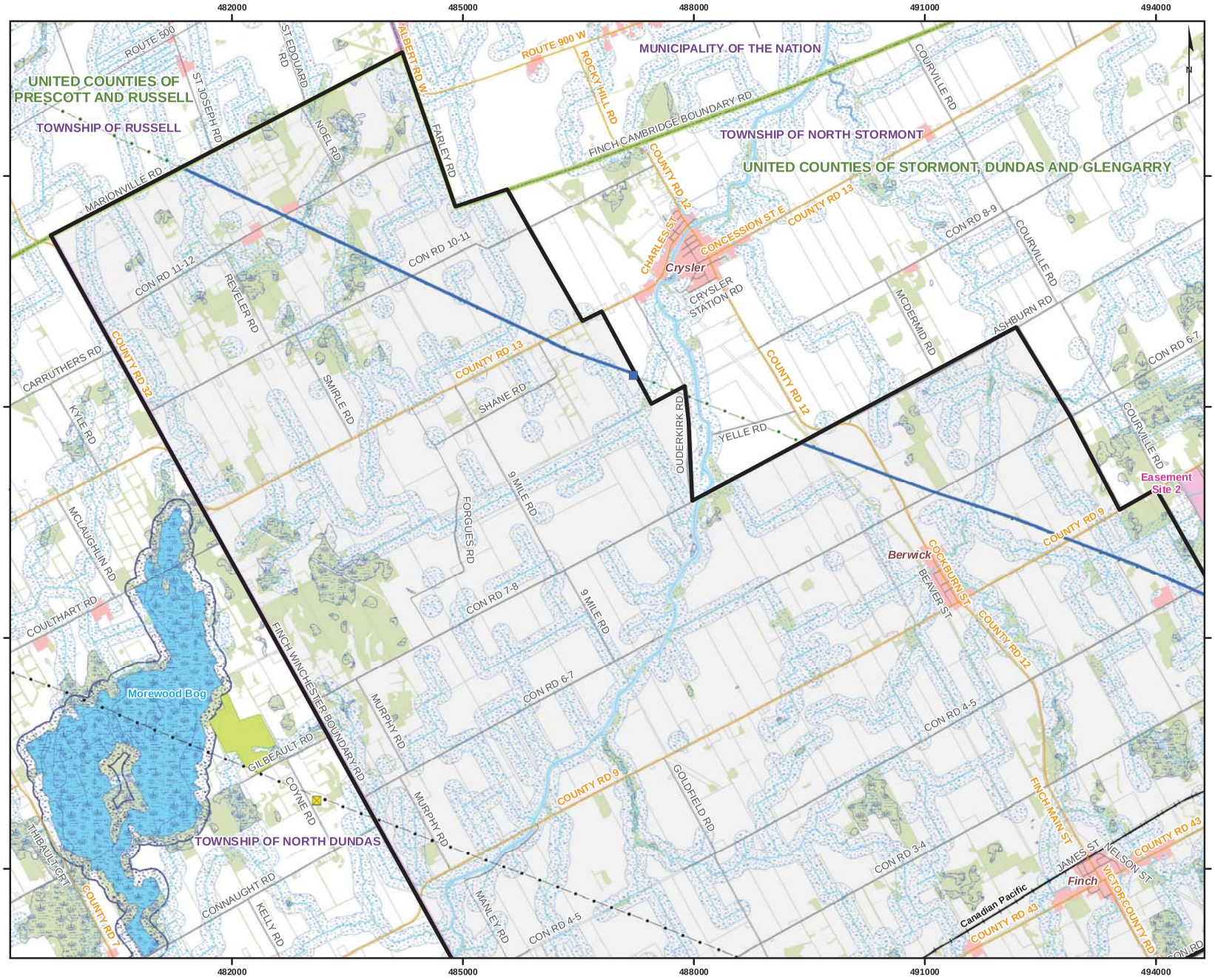
001-000000-150703-AD

July 13, 2015

DNV·GL

Projection: UTM Zone 18, NAD83

Sources: Land Information Ontario, OurAirport, OHT Online Plaque Guide, Canada's Historic Places Register, United Counties of Stormont, Dundas and Gengarry, United Counties of Prescott and Russell



Legend

Project Components

- Connection Point
- Potential Connection Point Locations
- Site Outer Boundary

Other Components

- Existing Hydro-One Substation
- CityLights Solar Project Area (Canadian Solar)
- Arterial / Collector
- Local Road / Street
- Railway
- 115 kV Transmission Line
- 230 kV Transmission Line
- Intermittent Watercourse
- Permanent Watercourse
- County Boundary
- Municipal Boundary
- Lot Line
- Built Up Area
- Regional Candidate ANSI, Life Science
- Provincial ANSI Life Science
- OHT Easement Site
- Airport
- Wetland
- Provincially Significant Wetland
- Waterbody
- Wooded Area

Consultation Zones

- Watercourse / Waterbody (120 m)
- Provincially Significant Wetland (120 m)

0 0.5 1 2 kilometres

edp renewables

Nation Rise Wind Farm

DETAILED MAP - MAP 1 -

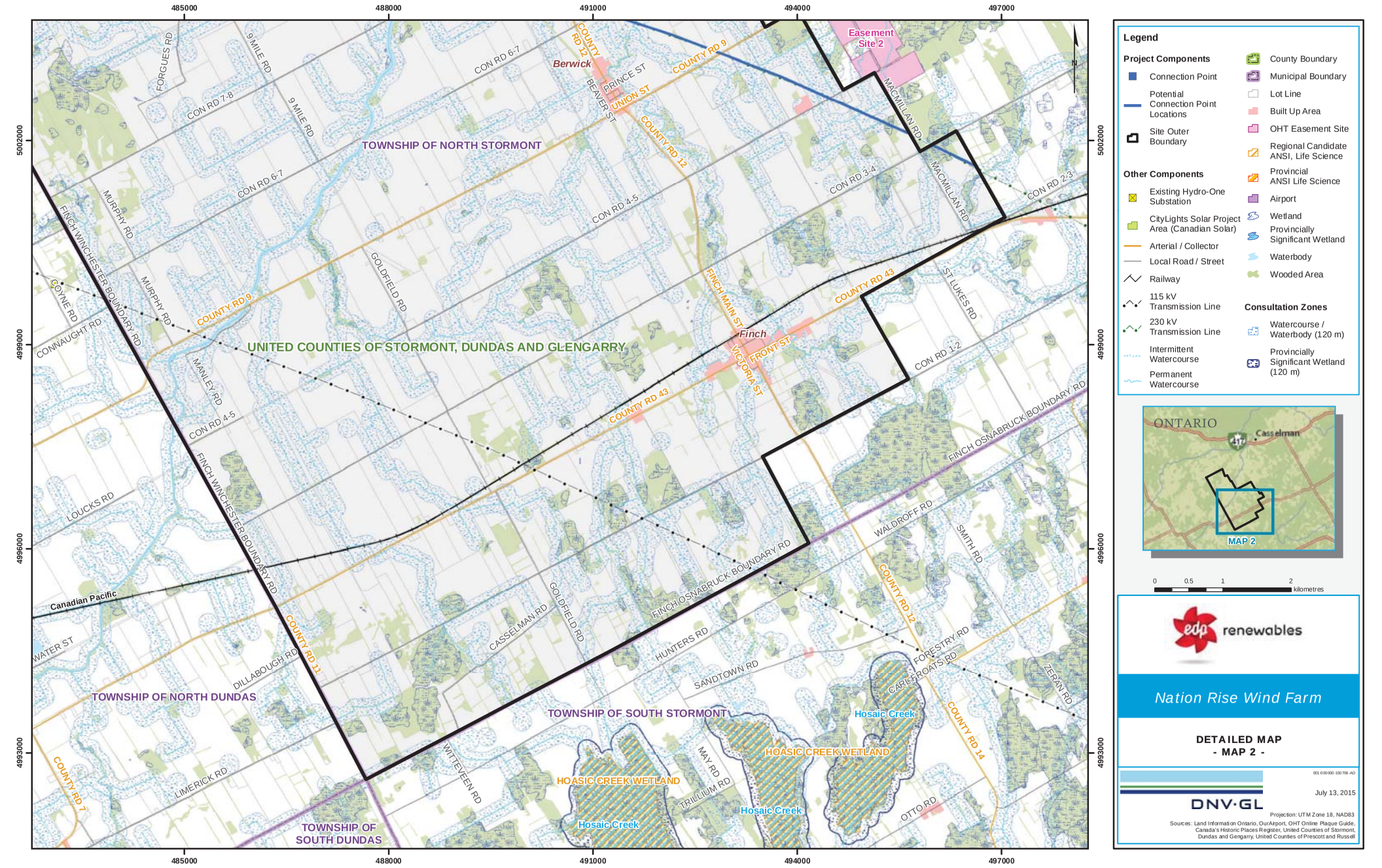
001-000000-150700-AD

July 13, 2015

DNV·GL

Projection: UTM Zone 18, NAD83

Sources: Land Information Ontario, OurAirport, OHT Online Plaque Guide, Canada's Historic Places Register, United Counties of Stormont, Dundas and Gengarry, United Counties of Prescott and Russell



Legend

Project Components

- Connection Point
- Potential Connection Point Locations
- Site Outer Boundary

Other Components

- Existing Hydro-One Substation
- CityLights Solar Project Area (Canadian Solar)
- Arterial / Collector
- Local Road / Street
- Railway
- 115 kV Transmission Line
- 230 kV Transmission Line
- Intermittent Watercourse
- Permanent Watercourse
- County Boundary
- Municipal Boundary
- Lot Line
- Built Up Area
- OHT Easement Site
- Regional Candidate ANSI, Life Science
- Provincial ANSI Life Science
- Airport
- Wetland
- Provincially Significant Wetland
- Waterbody
- Wooded Area

Consultation Zones

- Watercourse / Waterbody (120 m)
- Provincially Significant Wetland (120 m)

0 0.5 1 2 kilometres

renewables

Nation Rise Wind Farm

DETAILED MAP
- MAP 2 -

001-0100000-150700-AD

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July 13, 2015

Projection: UTM Zone 18, NAD83

Sources: Land Information Ontario, OurAirport, OHT Online Plaque Guide, Canada's Historic Places Register, United Counties of Stormont, Dundas and Gengarry, United Counties of Prescott and Russell

ONTARIO'S RENEWABLE ENERGY APPROVAL (REA) FOR LARGE WIND PROJECTS

- The Renewable Energy Approval (REA) Process, outlined in Ontario Regulation 359/09, is a requirement for large wind power projects under Ontario's *Green Energy Act*.
- The Ministry of the Environment and Climate Change (MOECC) will assess the application for completeness and then undertake a technical review to determine whether to issue an approval.
- **Reports included in application:**
  - **Project Description Report** – overview of the Project and a summary of all the required REA reports.
  - **Construction Plan, Design and Operation, Decommissioning Reports** – describe these activities and identify any potential effects resulting from the various project phases.
  - **Consultation Report** – demonstrate how the developer engaged local and Aboriginal governments, and the public, during the development phase.
  - **Archaeology and Cultural Heritage Assessment Reports** – identify potential effects on archaeological and cultural heritage resources.
  - **Natural Heritage Assessment Report** – to identify potential effects on birds, bats, other wildlife, woodlands, wetlands, areas of natural and scientific interest, etc.
  - **Noise Study Report** – ensure the Project is in compliance with the MOECC noise regulations.
  - **Water Body Assessment Report** – identify potential effects on streams, seepage areas and lakes.
  - **Wind Turbine Specifications** – describe the turbine technology selected for the Project.

PUBLIC COMMUNITY MEETING

SOUND

- Wind turbines will be set back from dwelling units that are not part of the Project by at least 550 m (1804 ft) and must be at or below 40 dBA.
- Noise from turbines must meet provincial noise limits as outlined in MOECC publication 4709e “Noise Guidelines for Wind Farms”.
- Noise impact assessment is conducted to help determine the final turbine layout. The noise studies comprise the following steps:
  - **Step 1**: Identify points of reception (dwellings) within 2km of the wind turbines.
  - **Step 2**: Obtain wind turbine specifications and noise emission ratings from the manufacturer.
  - **Step 3**: Using an initial wind turbine layout, predict the noise levels generated at points of reception using a noise prediction model to ensure allowable limits are not exceeded.
  - **Step 4**: Using the noise model results, revise the turbine layout as necessary to ensure that the final turbine layout meets all applicable noise guidelines.
- The MOECC will assess the application for completeness and then undertake a technical review to determine whether to issue an approval.

PUBLIC COMMUNITY MEETING

WATER ASSESSMENT

- A Water Assessment and Water Body Report will be completed in accordance with Ontario Regulation 359/09 to identify and address any water bodies within 120m of the Project Location. A water body includes a lake, permanent stream, intermittent stream and seepage area.
- A background review will be conducted as part of the water assessment and field investigations will be completed to confirm the presence of water bodies within 120m of the Project Location.
- If a water body is identified within 120m of the Project Location, an Environmental Impact Study (EIS) will be conducted.
- The EIS will identify potential negative effects on water bodies, the degree of any potential impacts, and proposed mitigation measures.
- For each identified water body, potential effects will be assessed and mitigation measures/monitoring commitments will be proposed based on the type of project infrastructure affecting the water body.

PUBLIC COMMUNITY MEETING

NATURAL HERITAGE ASSESSMENT

- A Natural Heritage Assessment (NHA) will be completed for the Project, as required by Ontario Regulation 359/09.
- Information regarding natural features within 120m of the Project Location will be collected as part of this assessment. Natural features include provincial parks, wetlands, woodlands or wildlife (e.g. bird or bat) habitats.
- Any identified features will be investigated by biologists and evaluated for significance according to provincial criteria. Where significance of a feature is confirmed, an Environmental Impact Study (EIS) will be conducted.

- The EIS will identify potential negative effects on the environment, proposed mitigation measures, residual effects and their significance, and describes how the environmental effects monitoring plan and construction plan address any potential negative environmental effects.
- For each natural heritage feature identified as significant, potential effects will be assessed and mitigation measures/monitoring commitments will be proposed based on the type of project infrastructure affecting the feature.

PUBLIC COMMUNITY MEETING

About DNV GL

Driven by our purpose of safeguarding life, property and the environment, DNV GL enables organizations to advance the safety and sustainability of their business. We provide classification and technical assurance along with software and independent expert advisory services to the maritime, oil and gas, and energy industries. We also provide certification services to customers across a wide range of industries. Operating in more than 100 countries, our 16,000 professionals are dedicated to helping our customers make the world safer, smarter, and greener.