DNV·GL

NATION RISE WIND FARM

LRP Site Considerations Review

EDP Renewables Canada Ltd.

Document No.: 800916-CAMO-T-01-B / Final

Date: 6 August 2015



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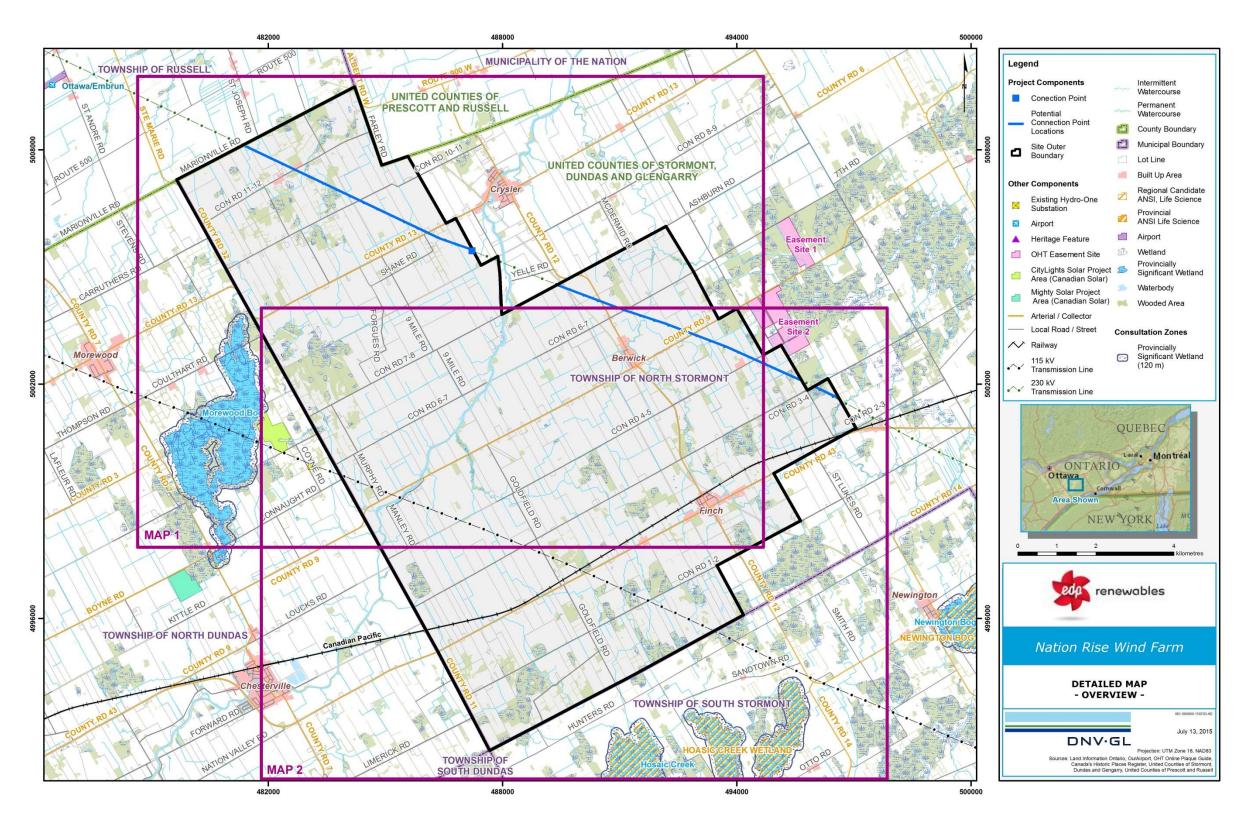
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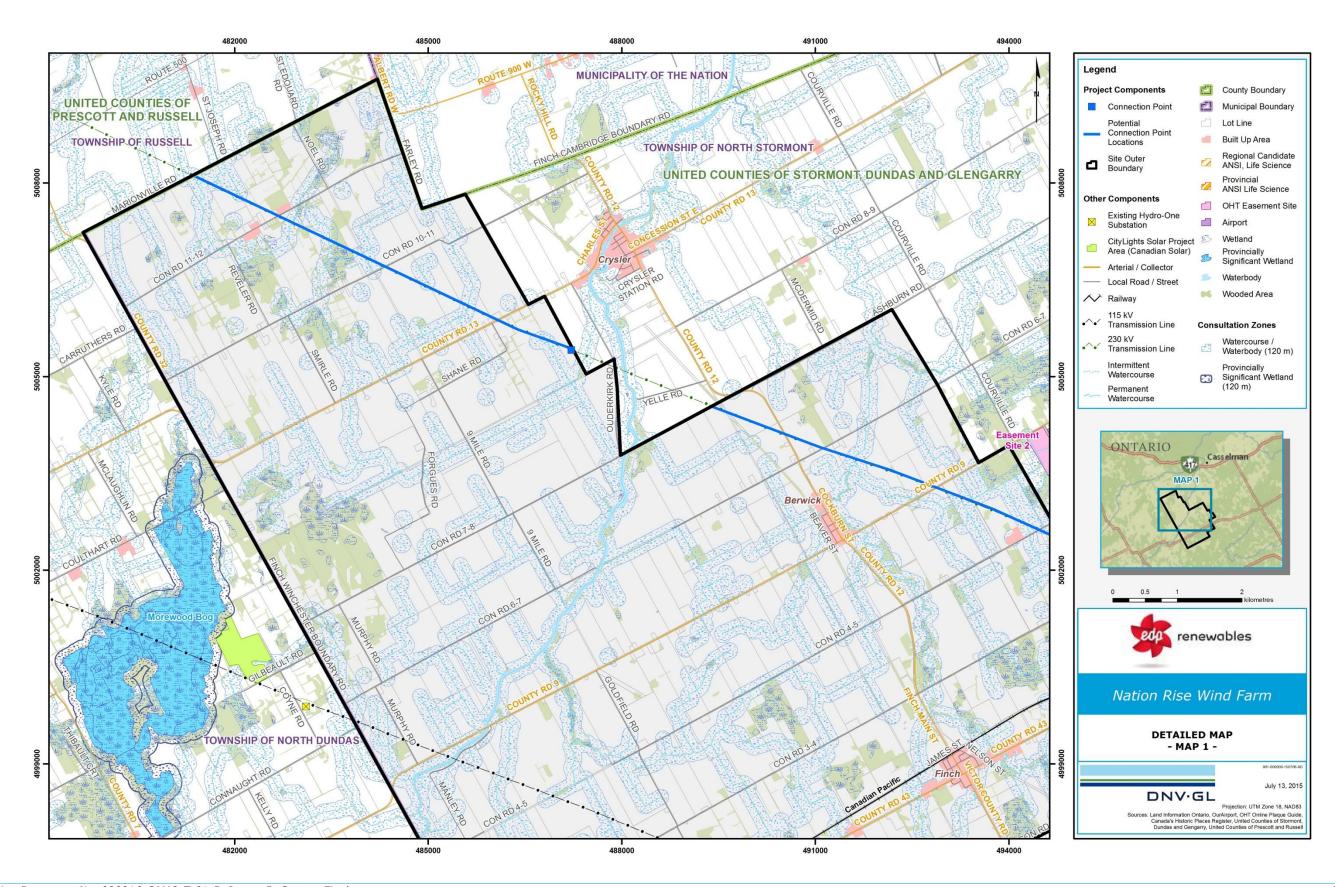
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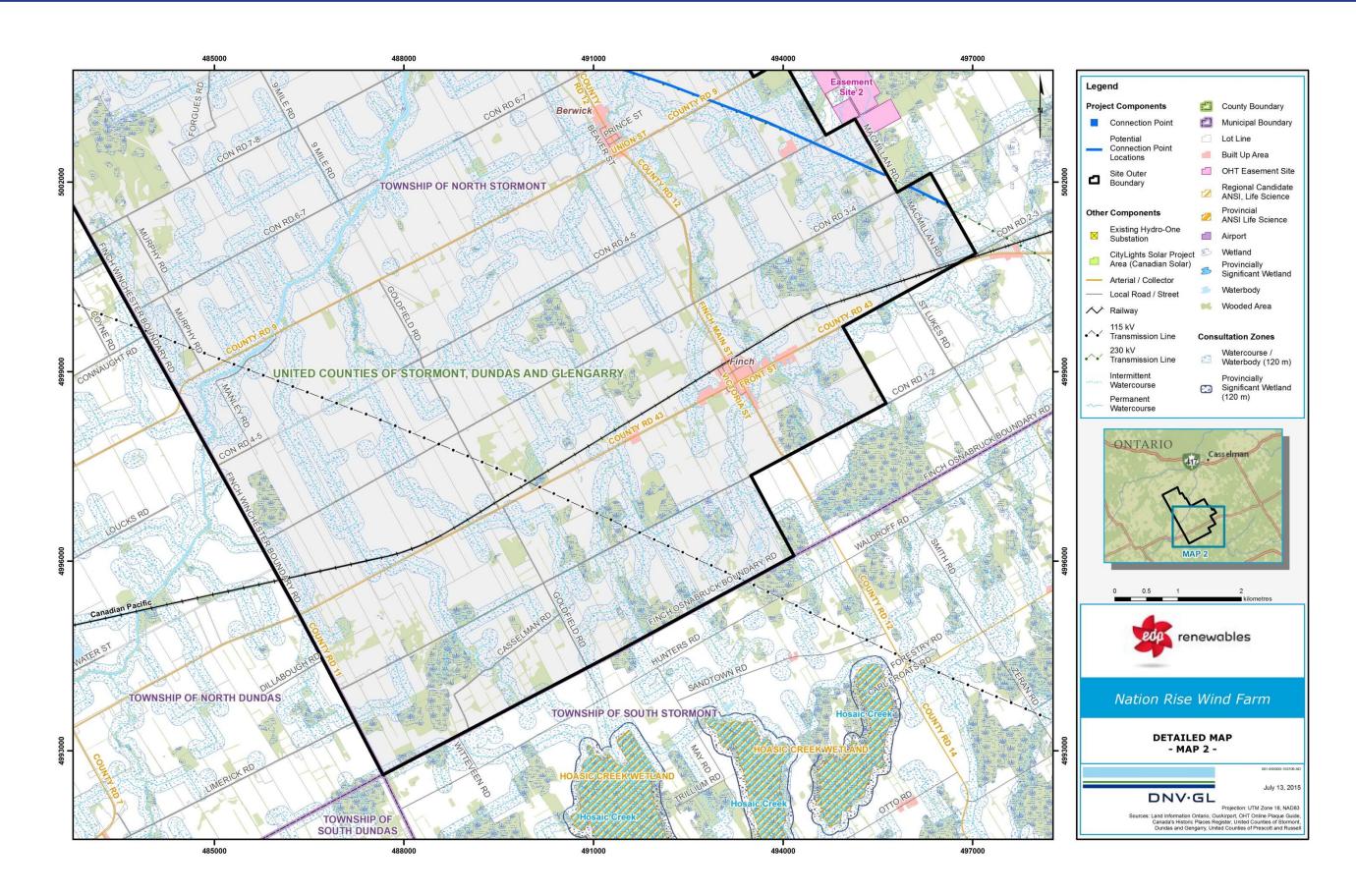
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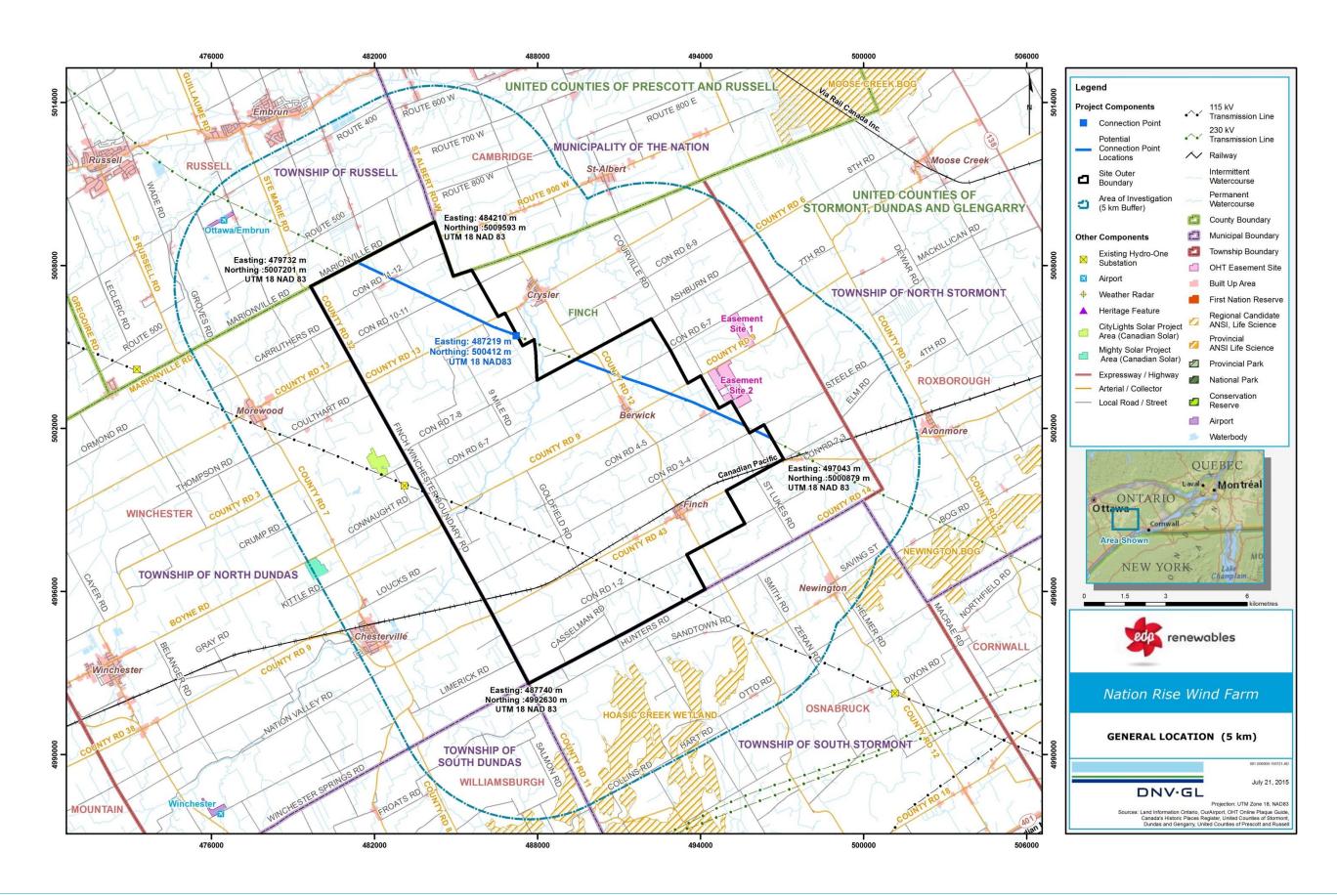
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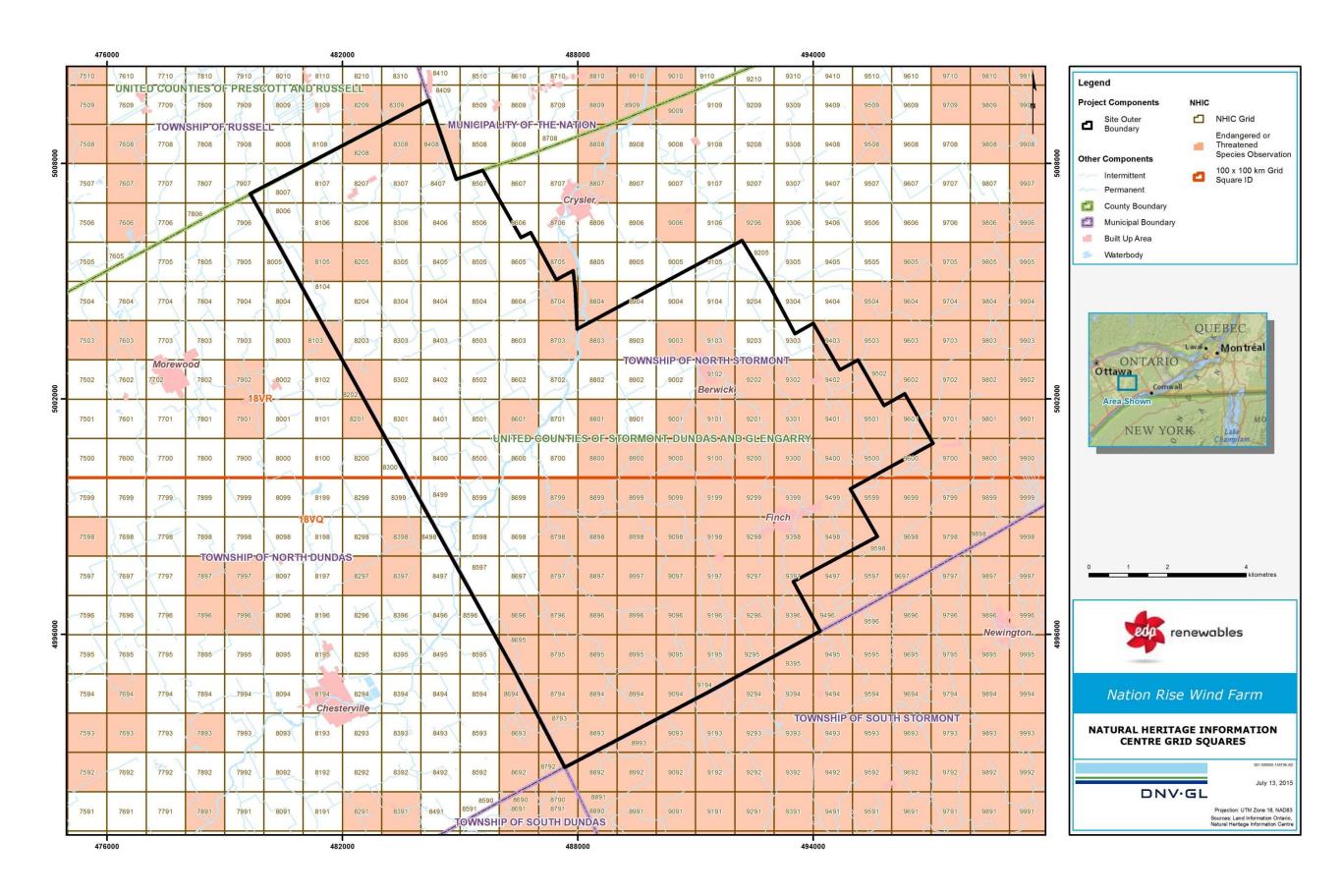
1. SITE CONSIDERATIONS MAPS

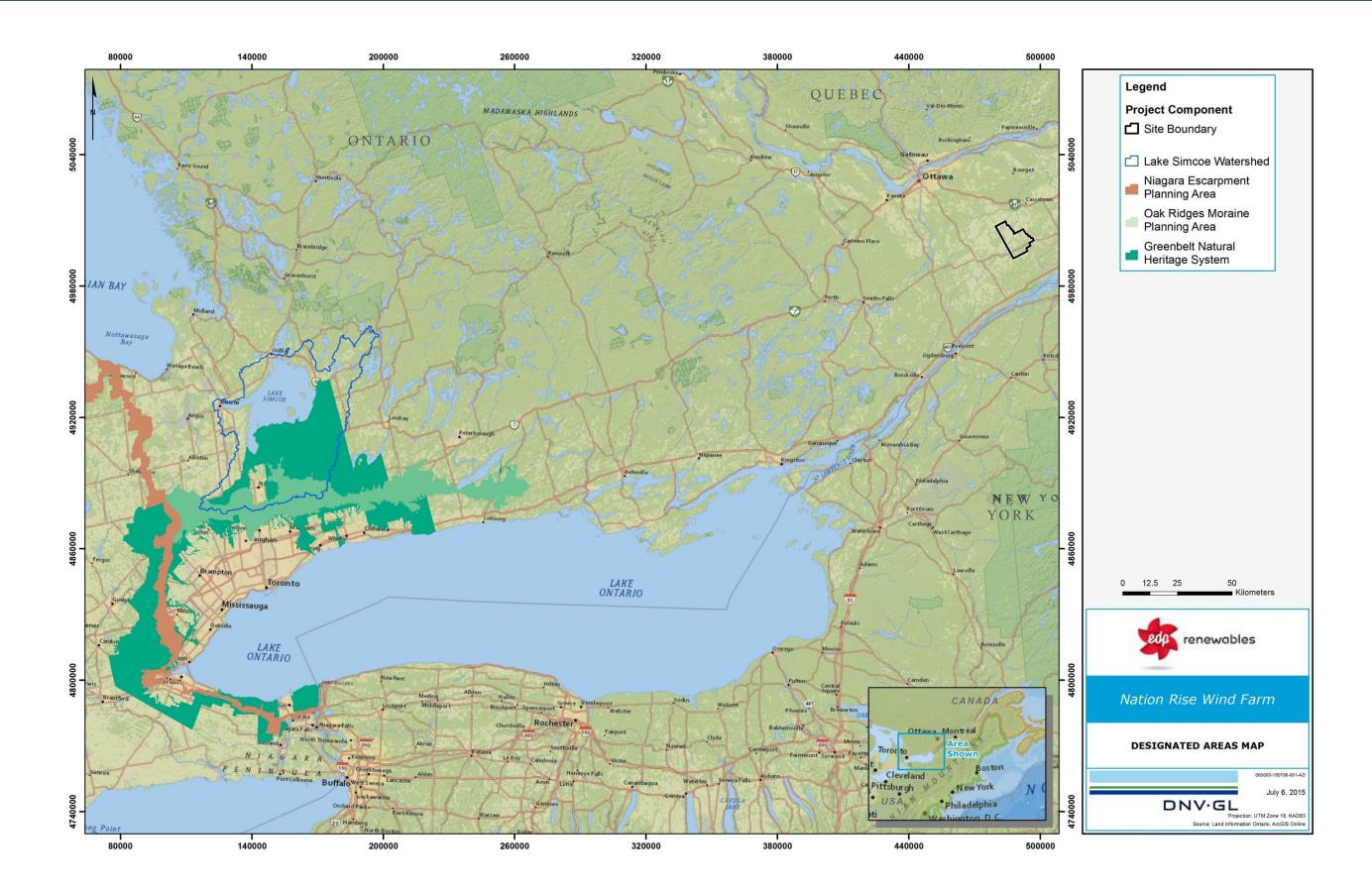












2. SITE CONSIDERATIONS REVIEW TABLE

Table 2-1: Site Considerations Review

3.2.5 LRP Site Considerations Requirements	DNV GL Review / Comment	Requirement Satisfaction	
(a) The Registered Proponent must provide evidence that they have received the MTCS Sites Confirmation.	A request has been submitted to the MTCS regarding any known archaeological resource within 250 meters of the Sites by DNV GL on 6 July, 2015, response pending.	This requirement shall be satisfied by the Registered Proponent's inclusion of a copy of the MTCS Archaeological Sites Confirmation in the Proposal. The MTCS Archaeological Sites Confirmation may be in the form of an email or other written correspondence from MTCS.	
(b) Site Considerations Information:			
(i) The Registered Proponent must provide detailed scale maps	of the Large Renewable Project and the Connection Line at a suitable scale to	o clearly identify (collectively, the "Site Considerations Information"):	
(1) The Site , and if the Site is constituted by more than one non-contiguous Properties a scale map showing the outer boundary of the entire Site must be included;	DNV GL confirms that this item is Included in the Site Considerations, see Detailed Maps.	A copy of the Site Considerations Information (including copies of any background reports, sources or materials) must be continuously posted on the Large Renewable Project Website from the date that is at least fifteen (15) days prior to the date of the public community meeting identified in response to Subsection 3.2.5(c), and continuing until the IESO announces the Selected Proponents for this LRP I RFP, if any.	
(2) The proposed Connection Line and Connection Point, showing the length of the Connection Line, the GPS coordinates for the Site and the Connection Point, and any other TS (or associated feeder) or the Circuit connected to the IESO Controlled Grid that is closer in geographic proximity to the Site than the proposed Connection Point;	DNV GL confirms that this item is included in the Site Considerations, see Detailed Maps. There is currently one connection point option located within the Site Outer Boundary, the length of the connection line is anticipated to be null as a result.	A copy of the Site Considerations Information must have been delivered to the clerk of each Project Community, if applicable, and any other designated official prescribed by each Project Community, acting reasonably. This requirement shall be satisfied by: (i) the completion of the Prescribed Form – Site Considerations Confirmation attaching the Site Considerations Information (including reference to any background reports and sources, which must be published on the Registered Proponent's website) and confirming that,	
(3) To the extent available, the proposed location of key features of the Large Renewable Project such as access roads, internal driveways, generating equipment, structures, transformers, inverters and communications towers.	Potential available area for Project infrastructure is presented in the Detailed maps.	in the view of a qualified Independent Engineer, the Site Considerations Information is complete, accurate and consistent with this LRP I RFP and accepted methodologies, industry standards and best practice, provided th (i) the Independent Engineer may rely on the views of one or more individuals who have the qualifications, training, expertise and experience in carrying out studies or evaluations as recommended or	
(4) The boundaries of any Municipality and Unorganized Territory in which the Site or the Connection Line is to be located, in whole or in part, including the identity of each Municipality and, if applicable, Unorganized Territory.	DNV GL confirms that this item is Included in the Site Considerations, see General Location Map.	required by the Renewable Energy Approval and other equivalent environmental assessments or approvals (each a " Qualified Third Party "); and (ii) the Independent Engineer must identify and provide a summary of the qualifications, training, expertise and experience of each Qualified Third Party that it relies upon ;and (2) the Registered Proponent's	
(5) The boundaries of any First Nation Lands the Site or the Connection Line is to be located, in whole or in part, including the identity of the First Nation Lands and the Corresponding First Nation Community	DNV GL confirms that this item is Included in the Site Considerations, see General Location Map. DNV GL did not identify any First Nation Lands within 5 km of the Site Boundary.	confirmation in the Prescribed Form –Registered Proponent Declarations and substantiating evidence which must include: (i) a screenshot of the Large Renewable Project Website with the Site Considerations Information posted with the date and URL clearly shown; and (ii) copies of courier transmittal sheets evidencing delivery of the Site Considerations Information to each of	

3.2.5 LRP Site Considerations Requirements	DNV GL Review / Comment	Requirement Satisfaction	
(6) The boundaries of any geographic township (identified pursuant to the Territorial Division Act, 2002, SO 2002, c 17, Sched. E) in which the Large Renewable Project or the Connection Line is to be located, in whole or in part, including the identity of the geographic township	DNV GL confirms that this item is Included in the Site Considerations, see General Location Map.	the Project Communities.	
(7) any "highway" (as defined in the Highway Traffic Act, RSO 1990, c H.8) crossing or located within 5 kilometers of the Site or the proposed Connection Line, including the location, name and number of each such highways	DNV GL confirms that this item is Included in the Site Considerations, see General Location Map.		
(8) any "railway" (as defined in the Canada Transportation Act, SC 1996, c 10) crossing or located within 5 kilometers of the Site or the proposed Connection Line, including the location and name of each such railways;	DNV GL confirms that this item is Included in the Site Considerations, see General Location Map.	A copy of the Site Considerations Information (including copies of any background reports, sources or materials) must be continuously posted on	
(9) any national park (identified in Schedule 1 of the Canada National Parks Act, SC 2000, c 32), provincial park or conservation reserve (identified pursuant to the Provincial Parks and Conservation Reserves Act, 2006, SO 2006, c 12) located within 120 meters of the Site or the proposed Connection Line, including the location and name of such parks or conservation reserves;	DNV GL confirms that this item is Included in the Site Considerations, see General Location Map. DNV GL did not identify any Provincial Park, National Park or Conservation Reserve within 120 m of the Site or the Proposed Connection Line.	the Large Renewable Project Website from the date that is at least fifteen (15) days prior to the date of the public community meeting identified in response to Subsection 3.2.5(c), and continuing until the IESO announces the Selected Proponents for this LRP I RFP, if any. A copy of the Site Considerations Information must have been delivered to the clerk of each Project Community, if applicable, and any other	
(10) any airports, aerodromes and weather radars located within 5 kilometers of the Site or the proposed Connection Line, including the location and name of such airports, aerodromes and weather radars;	DNV GL confirms that this item is Included in the Site Considerations, see General Location Map. DNV GL identified one airport, the Ottawa/Embrun Airport, within 5 km of the Site. DNV GL did not identify any aerodrome or weather radar within 5 kilometers of the Site or the Proposed Connection Line.	designated official prescribed by each Project Community, acting reasonab This requirement shall be satisfied by: (i) the completion of the Prescribe Form – Site Considerations Confirmation attaching the Site Consideration Information (including reference to any background reports and sources, we must be published on the Registered Proponent's website) and confirming in the view of a qualified Independent Engineer, the Site Considerations	
(11) the Property boundaries for each Property on which the Site is located, each Property that Abuts Property on which the Site is located, each Property where the proposed Connection Line will be situated, and each Property that abuts a Property where the Connection Line will be situated;	DNV GL confirms that this item is Included in the Site Considerations, see Detailed Maps.	Information is complete, accurate and consistent with this LRP I RFP and accepted methodologies, industry standards and best practice, provided that: (i) the Independent Engineer may rely on the views of one or more individuals who have the qualifications, training, expertise and experience in carrying out studies or evaluations as recommended or	
(12) any Permanent Known Water Body located within 120 meters of the Site or the proposed Connection Line, including the location and, if applicable, the common name associated with such Permanent Known Water Body;	DNV GL confirms that this item is Included in the Site Considerations, see Detailed Maps.	required by the Renewable Energy Approval and other equivalent environmental assessments or approvals (each a " Qualified Third Party "); and (ii) the Independent Engineer must identify and provide a summary of the qualifications, training, expertise and experience of each Qualified	
(13) if the Large Renewable Project is to utilize On-Shore Wind as it Renewable Fuel: (i) the location of any other Renewable Generating Facilities that utilize On-Shore Wind as a Renewable Fuel that have been constructed and are located within 5 kilometers of the Site clearly identifying the location of each turbine; and (2) the location of the project site boundary for any proposed but unconstructed Renewable Generating Facilities that utilize On-Shore Wind as a Renewable Fuel that are located within 5 kilometers of the Site and which have received a Renewable Energy Approval as indicated at www.ontario.ca/environment-and-energy/renewable-energy-projects-listing	DNV GL confirms that this item is Included in the Site Considerations, see General Location Map. DNV GL identified two Solar Farms within 5 km of the Site: CityLights Solar Project and Mighty Solar Project, both are owned by Canadian Solar.	Third Party that it relies upon ;and (2) the Registered Proponent's confirmation in the Prescribed Form –Registered Proponent Declaration and substantiating evidence which must include: (i) a screenshot of the Renewable Project Website with the Site Considerations Information possible with the date and URL clearly shown; and (ii) copies of courier transmes sheets evidencing delivery of the Site Considerations Information to each the Project Communities.	

3.2.5 LRP Site Considerations Requirements	DNV GL Review / Comment	Requirement Satisfaction	
(14) if the Large Renewable Project is to be located on provincial Crown lands (in whole or in part): (i) the boundaries of each Property on which the Site is located, and that Abuts the Property on which the Site is located; and (2) every Provincial Crown Land Lease located on a Property on which the Site is located, and that Abuts the Property on which the Site is located;	The Site is not located on Crown Land.		
(15) (i) within a Natural Heritage Information Centre 1 kilometer grid square which contains an "Endangered" or "Threatened" species observation record (protected pursuant to the Endangered Species Act, 2007, SO 2007, c 6);	DNV GL listed the NHIC species records within 1 kilometer grid square intersecting the Site and the Connection line. The records are presented in Section 3. See Table below and NHIC Grid Map.	A copy of the Site Considerations Information (including copies of any background reports, sources or materials) must be continuously posted on the Large Renewable Project Website from the date that is at least fifteen (15) days prior to the date of the public community meeting identified in	
(15) (ii) within 120 meters of a provincially significant area of natural and scientific interest;	DNV GL confirms that this item is included in the Site Considerations, see Detailed Maps. The Site and Connection Line do not intersect any provincially significant area of natural and scientific interest.	response to Subsection 3.2.5(c), and continuing until the IESO announces the Selected Proponents for this LRP I RFP, if any. A copy of the Site Considerations Information must have been delivered to the clerk of each Project Community, if applicable, and any other designated official prescribed by each Project Community, acting reasonably.	
(15) (iii) within 120 meters of a known provincially significant wetland;	DNV GL confirms that this item is Included in the Site Considerations, see Detailed Maps. DNV GL identified no provincially significant wetlands within the 120 m of the Site.	This requirement shall be satisfied by: (i) the completion of the Prescribe Form – Site Considerations Confirmation attaching the Site Consideration (including reference to any background reports and sources, must be published on the Registered Proponent's website) and confirming in the view of a qualified Independent Engineer, the Site Considerations Information is complete, accurate and consistent with this LRP I RFP and accepted methodologies, industry standards and best practice, provided to	
(15) (iv) within or Abutting an area designated in the plan approved under the Niagara Escarpment Planning and Development Act, the plan approved under the Oak Ridges Moraine Conservation Act, 2011 and O. Reg. 142/02, the plan approved under the Greenbelt Act, 2005, and the Lake Simcoe watershed (as defined in the Lake Simcoe Protection Act, 2008);	The Site and Connection Line are not located in the Niagara Escarpment, Oak Ridge Moraine, Greenbelt, see Designated Areas Map. The Site is does not intersect with an area designated in the plan approved under the Niagara Escarpment Planning and Development Act, the plan approved under the Oak Ridges Moraine Conservation Act, 2011 and O. Reg. 142/02, the plan approved under the Greenbelt Act, 2005 or the Lake Simcoe watershed (as defined in the Lake Simcoe Protection Act, 2008).	(i) the Independent Engineer may rely on the views of one or more individuals who have the qualifications, training, expertise and experience in carrying out studies or evaluations as recommended or required by the Renewable Energy Approval and other equivalent environmental assessments or approvals (each a "Qualified Third Parand (ii) the Independent Engineer must identify and provide a summary of the qualifications, training, expertise and experience of each Qualified Third Party that it relies upon ;and (2) the Registered Proponent's confirmation in the Prescribed Form –Registered Proponent Declaration and substantiating evidence which must include: (i) a screenshot of the Renewable Project Website with the Site Considerations Information post with the date and URL clearly shown; and (ii) copies of courier transmit sheets evidencing delivery of the Site Considerations Information to each the Project Communities.	
(15) (v) within or Abutting a recognized heritage resource (including Properties protected under the Ontario Heritage Act, RSO 1990,c 0.18, Properties included on a list or register of heritage resources maintained by the Municipality, Properties that are the subject of a local or provincial plaque, or Properties that are set aside as a national historic site of Canada under Section 42 of the Canada National Parks Act, SC 2000, c 32).	DNV GL confirms that this item is included in the Site Considerations, see General Map. Sources are listed in Table 4-1. DNV GL one Trust natural heritage conservation easement site abutting the Site to the east, south of County Road 9.		

3. NATURAL HERITAGE INFORMATION CENTER SPECIES RECORD

The following tables present the Species Observations records contained within the Natural Heritage Information Center 1 km grid square intersecting the Site or Connection Line.

Provincial Rank (S-Rank)

S1: Critically Imperilled S2: Imperilled S3: Vulnerable S4: Apparently Secure SH: Historic

SX: Presumed Extirpated

COSEWIC and SARO Status

END/E: Endangered THR/T: Threatened SC: Special Concern NAR: Not at Risk

Table 3-1: NHIC Species Records - Nauvoo

Scientific Name	Common Name	S- Rank	COSEWIC Status ⁴	SARO Status3
Lanius ludovicianus	Loggerhead Shrike	S2B	END	END
Chelydra serpentina	Snapping Turtle	S3	SC	SC
Dolichonyx oryzivorus	Bobolink	S4B	THR	THR
Sturnella magna	Eastern Meadowlark	S4B	THR	THR
Emydoidea blandingii	Blanding's Turtle	S3	THR	THR
Carex atlantica	Atlantic Sedge	S1		
Weissia muhlenbergiana	M• hlenberg's Weissia	S2		

5. CULTURAL RESOURCE REVIEW SUMMARY

Table 4-1: Cultural Resource Review Summary

Cultural Resource Database or Contact	Source
Ontario Heritage Trust's Online Plaque Guide	Available Online: http://www.heritagetrust.on.ca/Resources-and-Learning/Online-Plaque-Guide.aspx Consulted on 3 July 2015.
Canada's Historic Places Register	Available Online: http://www.historicplaces.ca/en/rep-reg/search-recherche.aspx Consulted on 3 July 2015.
Ontario Heritage Trust	A request has been set to Ontario Heritage Trust in order to confirm if the Trust has any conservation easement sites within or adjacent to the Site or Connection Line. A response was sent on 9 July 2015 stating there is one Trust natural heritage conservation easement site abutting the Site.
Parks Canada Directory of Federal Heritage Designations	Consulted 6 July 2015. DNV GL did not find any records in the Directory of Federal Heritage Designation within the Township of North Stormont.
United Counties of Stormont, Dundas and Glengarry	The information regarding the list of Cultural heritage within the United Counties of Stormont, Dundas and Glengarry has been requested. Email sent on 6 July 2015 to the county to confirm if the United Counties of Stormont, Dundas and Glengarry have any buildings designated under the Ontario Heritage Act. Response pending.
Township of North Stormont	The information regarding the list of Cultural heritage within the Township of North Stormont has been requested. Email was sent on 8 July 2015 to Marc Chenier, the CAO/Clerk of the Township of North Stormont to confirm there are no buildings designated under the Ontario Heritage Act. Response pending.

6. SPATIAL DATA SOURCES

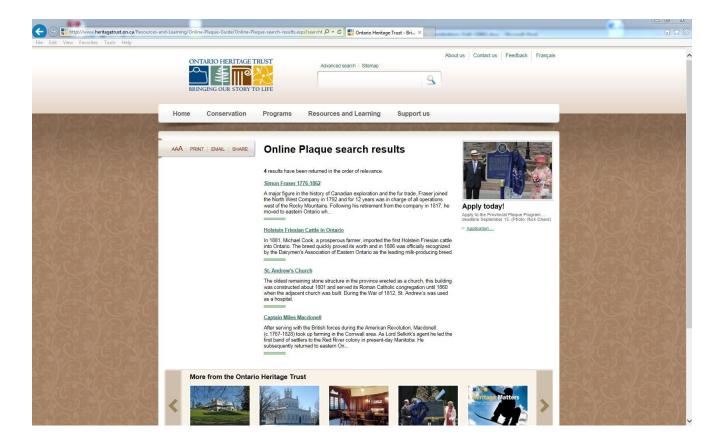
Table 5-1: Spatial Data Sources

Feature	Source of Spatial Data	
Provincially significant wetland	LAND INFORMATION ONTARIO	
Significant ANSI (earth and life science) and all candidates	LAND INFORMATION ONTARIO	
Woodland	LAND INFORMATION ONTARIO	
Waterbody	LAND INFORMATION ONTARIO	
Watercourse	LAND INFORMATION ONTARIO	
Wetland	LAND INFORMATION ONTARIO	
Other ANSI	LAND INFORMATION ONTARIO	
Endangered or Threatened Species	NHIC	
Heritage Resources	See Section 4	
Highway	LAND INFORMATION ONTARIO	
Railway	LAND INFORMATION ONTARIO	
Geographic Township	LAND INFORMATION ONTARIO	
Municipality Boundary	LAND INFORMATION ONTARIO	
Airport	LAND INFORMATION ONTARIO	
Weather Radar	Industry Canada	
Quarry	LAND INFORMATION ONTARIO	
Adjacent Renewable Energy Projects	DNV GL Ontario Renewable Energy Atlas	
Transmission Line	LAND INFORMATION ONTARIO	

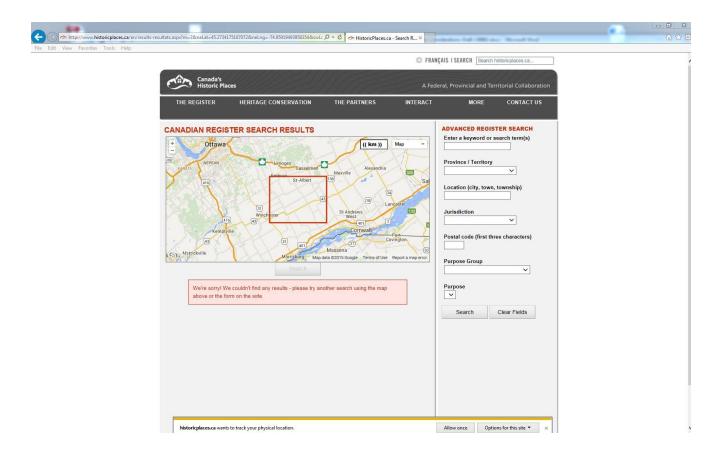
Feature	Source of Spatial Data
Gas Pipeline	LAND INFORMATION ONTARIO
Conservation Reserve	LAND INFORMATION ONTARIO
Provincial Park	LAND INFORMATION ONTARIO
First Nation Lands	LAND INFORMATION ONTARIO
Lake Simcoe Watershed	LAND INFORMATION ONTARIO
Niagara Escarpment Planning Area	LAND INFORMATION ONTARIO
Oak Ridges Moraine Planning Area	LAND INFORMATION ONTARIO
Greenbelt Natural Heritage System	LAND INFORMATION ONTARIO

APPENDIX A – CULTURAL RESOURCE SUPPORTING DOCUMENTATION

Ontario Heritage Trust Online Plaque Guide



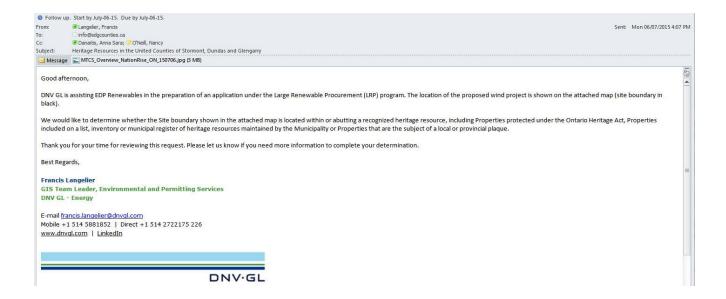
Canada's Historic Places Register



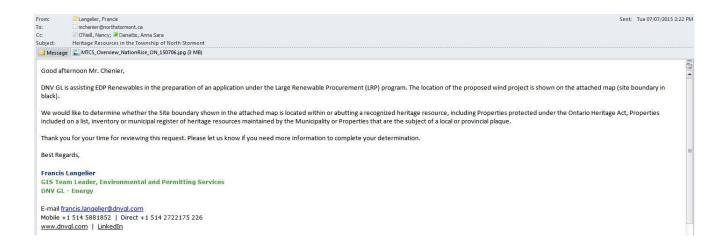
Parks Canada Directory of Federal Heritage Designations



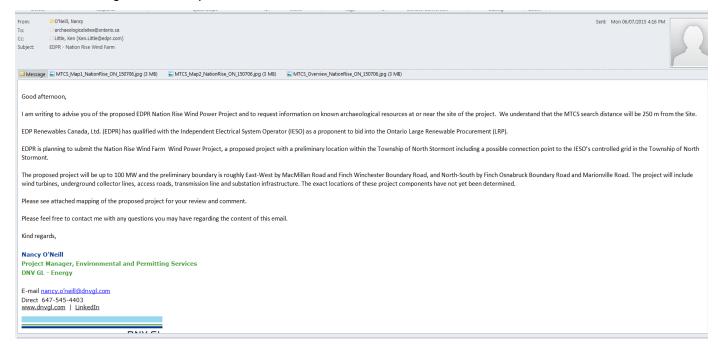
United Counties of Stormont, Dundas and Glengarry



Township of North Stormont



MTCS Archaeological Sites Request



Ontario Heritage Trust



An agency of the Government of Ontario

VIA MAIL AND EMAIL

July 8, 2015

Francis Langelier, GIS Team Lead GL Garrad Hassan Canada Inc. DNV GL – Energy 4100 Rue Molson, Suite 100 Montreal, QC H1Y 3N1

Dear Mr. Langelier:

Re: LRP | RFP Information Request - Nation Rise Wind Farm Project

We are in receipt of your emails and accompanying mappings to the Ontario Heritage Trust with respect to the LRP \mid RFP Information Request concerning the above-noted proposed renewable energy project.

As the Province's lead heritage agency, the Trust is mandated to preserve, protect and promote the conservation of the Province's rich natural and cultural heritage. In carrying out the above mandate, the Trust protects many significant cultural heritage and natural heritage sites across Ontario through ownership and conservation easements. The Trust also promotes appropriate measures to protect heritage resources which may be affected by large-scale undertakings.

Further to your request for information, we have reviewed the map of the study area and connection line for the above-noted proposed renewable energy project against our database of Trust easement properties. Our review indicates that there are two Trust natural heritage conservation easement sites located within the buffer zone bordered in red on the mapping you provided (see easement sites 1 and 2 shown on Figure 1 in Schedule A attached). Easement site 2 appears to be located adjacent to the eastern boundary of the project area (see Figure 1 in Schedule A). A third Trust natural heritage conservation easement site (easement site 3) appears to be located in close proximity to the buffer zone (see Figure 2 in Schedule A). The legal descriptions for these easement sites are as follows:

Easement site 1:

Pt. N $\frac{1}{2}$ of Lot 22, Con. 6, Finch, North Stormont and Pt S $\frac{1}{2}$ of Lot 22, Con 6, Finch, North Stormont (being all of PIN 60112-0059)

Easement site 2:

Pt Lots 19 and 20, Con 5, Finch, North Stormont (being all of PINs 60109-0156 and 60109-0080) and Pt Lot 20, Con. 4, Finch, North Stormont (being all of PIN 60112-0097).

Easement site 3:

Pt Lot 2, Con. 7, South Stormont (being all of PINs 60229-0133 and 60229-0134).

In addition to the above, we note that a portion of the more northerly proposed transmission line corridor appears to be located in close proximity to easement site 2 (see Figures 1 and 2 in Schedule A).

Page 1 of 4

10 Adelaide Street East Toronto, Ontario M5C 1J3

Telephone: 416-325-5000 Fax : 416-325-5071 www.heritagetrust.on.ca We strongly encourage you to contact the Ministry of Tourism, Culture and Sport, if you have not already done so, in order to determine if there are any other cultural heritage interests which may be affected by this project. In this regard, we recommend that you liaise with Laura Hatcher, Heritage Planner / Acting Team Lead, Land Use Planning, Cultural Services Unit at the Ministry. She can be reached at 416-314-3108 by phone or Laura.Hatcher2@ontario.ca by email.

Should you have any questions, please contact me at 416-325-5019.

Yours truly,

Michael Sawchuck

Manager, Acquisitions and Conservation Services

Copy: Paula Kulpa, Acting Manager, Culture Services Unit, MTCS (by email only)

Laura Hatcher, Heritage Planner/Acting Team Lead, Cultural Services Unit, MTCS (by email only)

Page 2 of 4