

**Appendix D**  
**Display Boards, Sign-in Sheet**  
**and Comment Sheets**  
**from Final Public Meeting**

# Please Sign In

(PLEASE USE BLOCK LETTERS)

## Northland Power – Belleville North Solar Project and Belleville South Solar Project – Public Meeting

Project: Belleville North Solar Project and Belleville South Solar Project

Date: Wednesday, May 25, 2011

Name	Complete Mailing Address			Phone (Please include area code)
	Street	City	Postal Code	
Peta Mertens	425 Main	Wellington	KOK3LO	613-399-5152
Richard Luce	1865	CARFTOW	KOK1AO	
Kevin Wager	28 BURR		KOK1AO	613-962-1070
Hotch Earl	1 22 Croftway Rd	Ameliasburg	KOK1AO	613 396 7048 613 969 8017
BRIAN McFALL	428 BURR	AMEL.	KOK1AO	613-968-9530
Bill Hopkins	386 BURR	AMEL	KOK1AO	613-969-9430
Carole Vincent	492 BURR	Ameliasburg	KOK-1AO	613 399-5265
Wayne Vincent				
Daryl Vincent	267 Burr	Ameliasburg	KOK1AO	613-969-0746
ROM TAYLOR NANCY STAFFORD	40 BURR	AMELIASBURG	KOK1AO	
Hub Wood	534 BURR	cc	cc	613-399-2538

\*Please note that all information provided will be publicly available

# Comment Sheet

## Final Public Meeting: Wednesday May 25, 2011

### Northland Power –Belleville North and South Solar Projects

1. Please indicate whether your interest is pertinent to one or both of the proposed Projects by circling one or both of the following:

Belleville North

Belleville South

2. Please describe where you reside in relation to the Project locations? \_\_\_\_\_

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3. Please provide any relevant information related to the Project locations which, in your opinion, should be considered in assessing the potential effects of the Projects?

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Continued on back



4. Please provide any comments, questions or concerns related to the Projects.

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If you would you like to be included on the Projects mailing list, please provide your name and full mailing address below:

Name: \_\_\_\_\_

Mailing Address (including your postal code):

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WE WELCOME YOUR INPUT. PLEASE COMPLETE AND SUBMIT THIS COMMENT SHEET BEFORE LEAVING - THANK YOU

Alternatively, if you prefer to mail/fax your response, please do so within 14 days (by June 8, 2011) to:

Sean Male, Environmental Coordinator  
4342 Queen St, Suite 500, Niagara Falls, Ontario, L2E 7J7  
Phone: 905-374-5200 Fax: 905-374-1157

For more information regarding the Belleville North and South Solar Projects, please visit [northlandpower.ca/bellevillenorth](http://northlandpower.ca/bellevillenorth) and [northlandpower.ca/bellevillesouth](http://northlandpower.ca/bellevillesouth), respectively

**\*Please note that all information provided will be publicly available**

The top section of the flyer features a bright blue sky with a sunburst effect on the right side and some white clouds on the left. The text 'Northland Power' is written in a large, white, sans-serif font, centered horizontally.

# Northland Power

## ***Welcomes You to the Final Public Meeting***

*for the Belleville North and  
Belleville South Solar Projects*

Wednesday, May 25, 2011

6:00 pm to 8:00 pm

Wellington Elks Hall - Allisonville, 11 Dutch Road

Prince Edward County, Ontario



# Purpose of this Public Meeting

A public meeting to communicate project details and to solicit stakeholder input is an important aspect of the Renewable Energy Approval (REA) process and project planning.

This public meeting provides an opportunity to:

- Ask questions about the proposed Projects and the REA Project Documents
- Obtain more information about Northland Power
- Gain a greater understanding of the REA process
- Provide any further issues or concerns regarding the proposed Projects

## How can I provide comments or concerns?

A number of methods are available for providing comments or concerns. You can:

- Fill out a comment form provided at this public meeting. This form can also be used to register your name and mailing address so you are included on the Project mailing list.
- Discuss your comments or concerns with one of the representatives of Northland Power or Hatch present at this public meeting.
- Contact the Environmental Coordinator for the Projects via the following information:

**Sean Male**, MSc  
Environmental Coordinator  
Hatch Ltd.

Address: 4342 Queen Street, Suite 500  
Niagara Falls, Ontario, L2E 7J7

Phone: 905-374-0701 Ext 5280

Fax: 905-374-1157

Email: [smale@hatch.ca](mailto:smale@hatch.ca)

We ask that any additional comments be received within 14 days, by Wednesday, June 8, 2011, following the Final Public Meeting.

For more information please visit:

[www.northlandpower.ca](http://www.northlandpower.ca)



# Northland Power

*Northland Power develops and operates clean and green power generation facilities, mainly in the provinces of Ontario and Quebec, with Saskatchewan being added to that list shortly. Our facilities produce about 900 MW of electricity. Northland Power has been in business since 1987 and has been publicly traded since 1997.*

Sustainability is a core value at Northland Power. All of our development efforts and operational practices focus on providing long term benefits to our customers, investors, employees, communities and partners.

*For Northland Power, sustainability has many dimensions:*

**Environmental:** Northland Power was founded on the belief that clean and green energy sources are vital to the future of our planet. Our construction and operational practices are engineered to meet the highest environmental standards, even in jurisdictions where lower standards are legislated.

**Community:** Northland Power takes an active interest in its host communities to ensure they remain vibrant, healthy places to live.

**Operational:** Northland Power maintains and reinvests in their operating assets to achieve maximum efficiency and economic life.

**Health and Safety:** Ensuring that our staff has the knowledge, tools and time to work safely is Northland's first priority. Our culture of safety, respect and independence helps to ensure we attract and retain the people that we need to perform.

**Financial:** Northland Power consistently chooses long term success over short term gain. Northland Power only pursues projects that meet strict return thresholds and have creditworthy customers. As a result, we have paid stable monthly dividends since 1997.



Northland Power has retained Hatch Ltd. to undertake the Renewable Energy Approval (REA) process, subject to the provisions of the Environmental Protection Act Part V.0.1 and Ontario Regulation 359/09. Hatch is an Ontario-based consulting, engineering and management company with operations worldwide and a reputation for excellence acquired over 80 years of continuous service to its clients. Hatch will undertake the REA process from its Niagara Falls, Ontario office.



# Solar Technology

A solar photovoltaic (PV) module (or panel, as they are often called) transforms the sun's energy into electrical energy. Silicon, a semi-conductor, is the material that transforms a ray of sunshine into electricity. The silicon is located within a grid (commonly made of metal) that conducts electricity. When the sunlight hits the silicon, electrons flow from the silicon into the grid, thereby producing electricity. The silicon and metallic grid are located beneath a layer of glass to provide weather protection. The glass has a special coating applied to maximize the capture of sunlight by the panel, thereby reducing glare.

## *Advantages of Solar Energy*

Solar power has a multitude of advantages compared to most other power generation technologies.

- First and foremost, the fuel is free. As the cost of many fossil fuels is expected to increase in the future, having solar energy on the grid at a set price will give greater stability to future energy prices.
- Another key benefit is the absence of any green house gas emissions and other pollutants. This ensures that the local community will not have to live with poor air quality or noxious odours.
- Solar PV systems are comprised of safe, common materials that will not affect the lands on which they are located, allowing for easy remediation upon decommissioning.
- Most solar PV systems have no moving parts, unlike almost all other power generation technologies. Having no moving parts reduces the environmental impact, maintenance costs, and noise levels of this type of power generation.
- There is a natural supply/demand match that is inherent to solar power, as the sun rises and sets in parallel with society's general daily electricity demand pattern. This helps mitigate the need for the development of other technologies that traditionally meet peak electricity demand.



Ontario's Feed-in-Tariff (FIT) program was launched by the Ontario Power Authority on October 1, 2009 to encourage the development of renewable energy resources and to stimulate growth in green technology and renewable power industries.

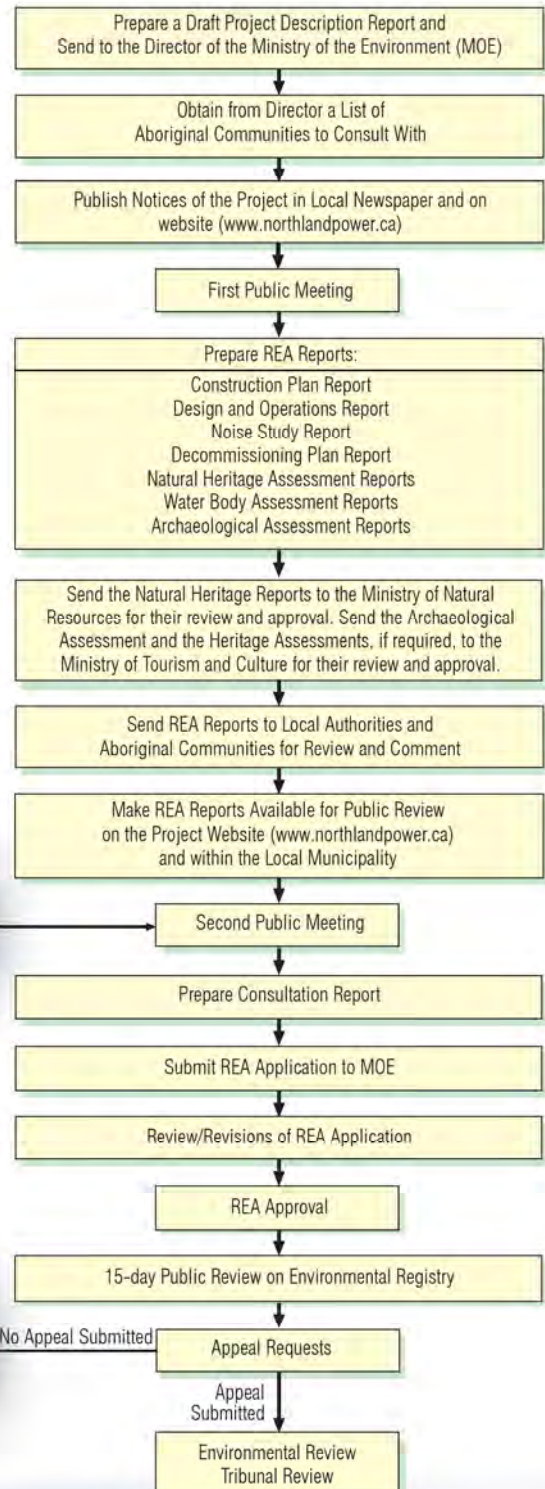
The Ontario Power Authority awarded 184 FIT contracts to renewable power developers in Ontario on April 8, 2010. Northland Power was awarded a total of 13 contracts for proposed solar ground-mount developments throughout the province. These projects are currently proceeding through the REA process.



# Renewable Energy Approval Process

The proposed Project is subject to the (REA) process, subject to the provisions of Part V.0.1 of the Environmental Protection Act and Ontario Regulation 359/09. The REA process entails consideration of environmental aspects, including natural heritage features and water bodies, as well as heritage and archaeological resources. In addition, the REA process includes public, government agency and First Nation consultation.

*The main components of the REA process are shown in the flow diagram.*



We Are Here

Project May Proceed



# Belleville North Solar Project

## Project Location

The proposed Project is located on Burr Road, west of the community of Crofton. The proposed Project, if approved, will be constructed on privately owned lands. Lands are primarily agricultural, though some construction within a wetland will be required.

## Project Description

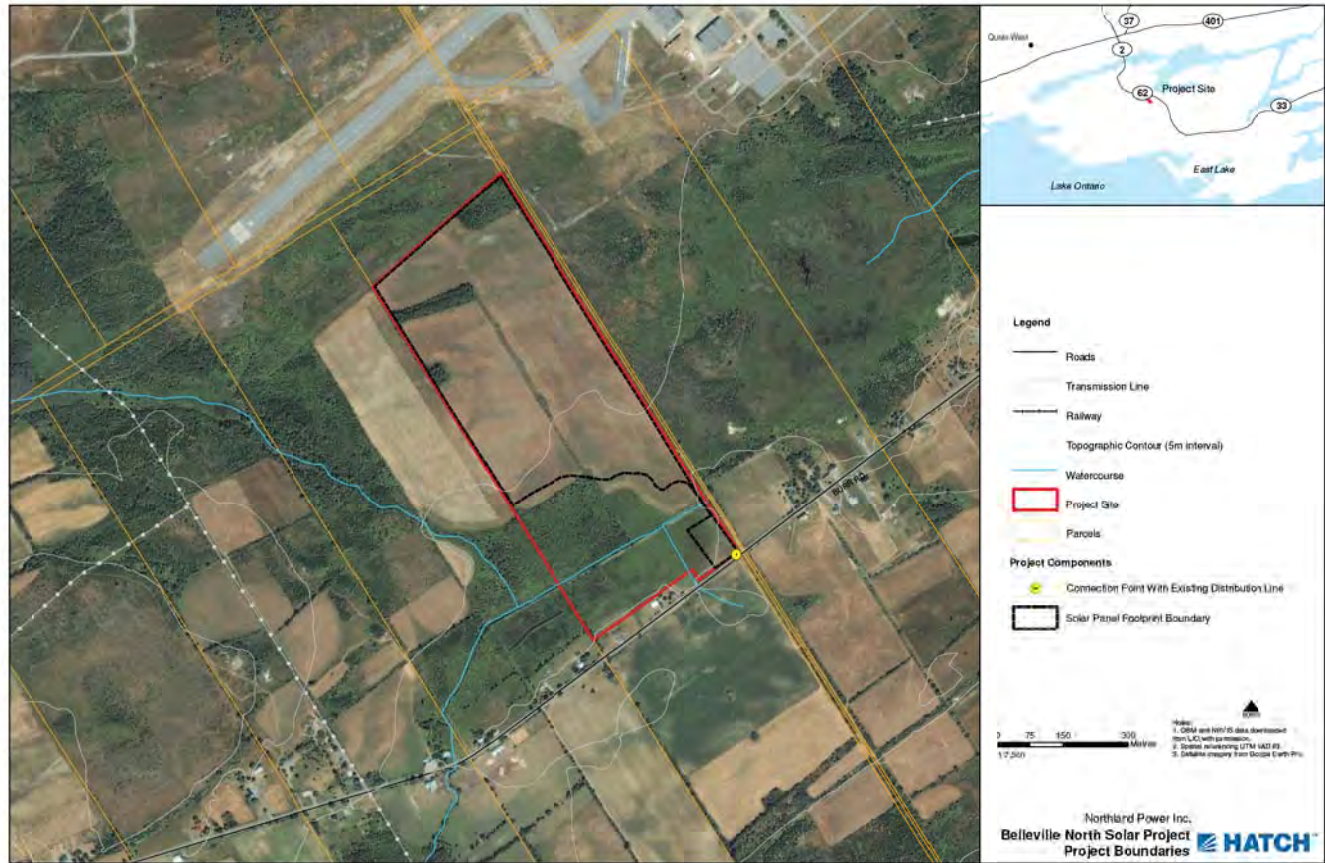
The proposed Belleville North Solar Project is considered to be a Class 3 solar facility, as defined under the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09. Class 3 solar facilities are defined as having a name plate capacity of 10 kilowatts (kW) or greater and the solar panels are mounted on the ground. Specifically, this proposed Project has a nameplate capacity of 10MW (ac).

The proposed Project will use crystalline technology photovoltaic (PV) panels installed on ground-mounted rack structures made of steel and aluminum. The panels will be tilted and fixed in place (i.e., they will not move to track the sun). The project will consist of approximately 50,000 panels and will be designed to optimize energy production.

## Project Schedule – Belleville North Solar Project

FIT Application – November 2009  
Submission of Project Description to MOE – April 2010  
FIT Contract Award – April 2010  
First Public Meeting – August 2010  
Final Public Meeting – May 2011  
REA Application Submission – June 2011  
REA Received – November/December 2011  
Start of Construction – Fall 2011  
Commercial Operation Date – Fall 2012

For more information regarding this Project please visit the Project website at [northlandpower.ca/bellevillenorth](http://northlandpower.ca/bellevillenorth).



# Belleville South Solar Project

## Project Location

The proposed Project is located on Highway 62 southwest of the community of Crofton. The proposed Project, if approved, will be constructed on privately owned lands. Project lands are primarily agricultural, though some construction within a woodland will be required.

## Project Description

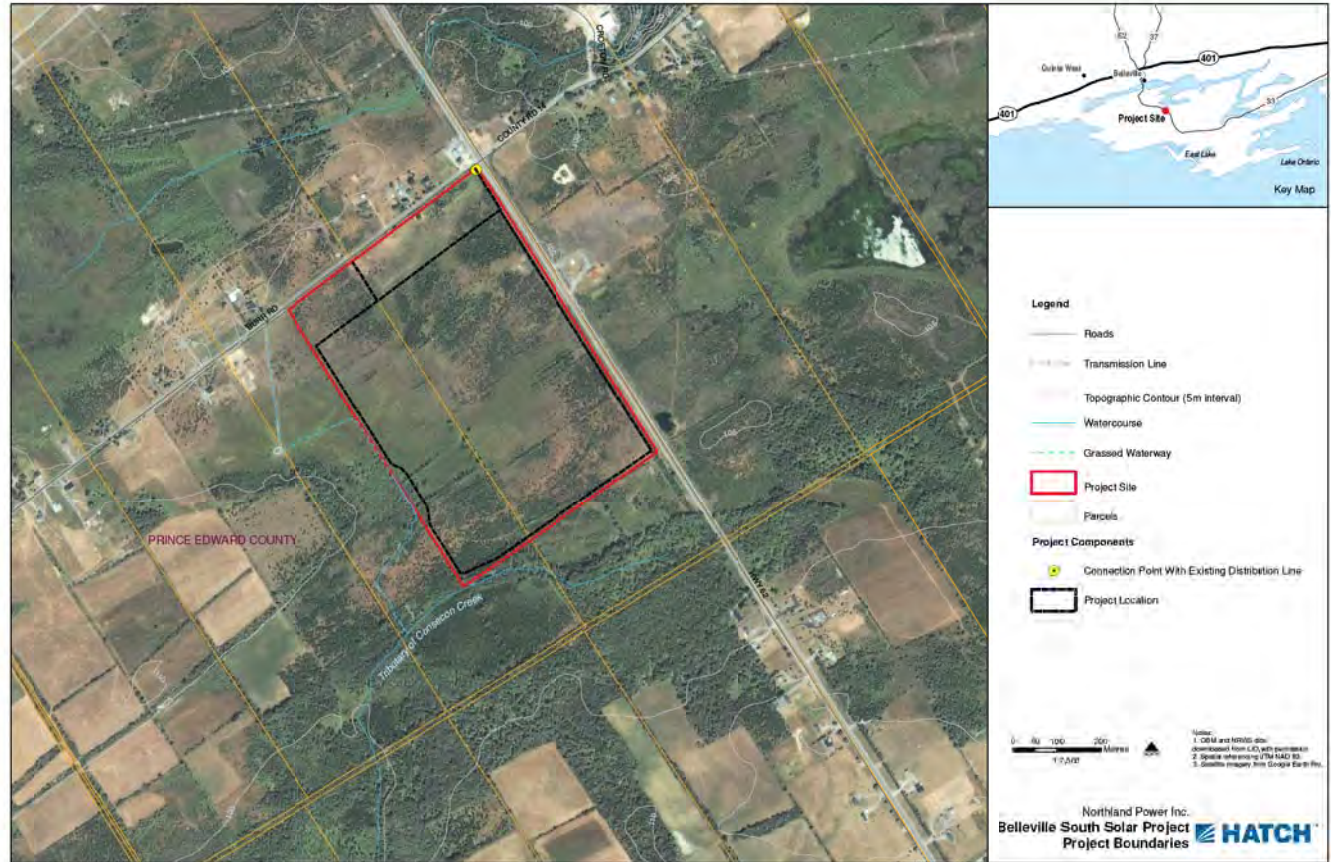
The proposed Belleville South Solar Project is considered to be a Class 3 solar facility, as defined under the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09. Class 3 solar facilities are defined as having a name plate capacity of 10 kilowatts (kW) or greater and the solar panels are mounted on the ground. Specifically, this proposed Project has a nameplate capacity of 10MW (ac).

The proposed Project will use crystalline technology photovoltaic (PV) panels installed on ground-mounted rack structures made of steel and aluminum. The panels will be tilted and fixed in place (i.e., they will not move to track the sun). The project will consist of approximately 50,000 panels and will be designed to optimize

## Project Schedule – Belleville South Solar Project

FIT Application – November 2009  
Submission of Project Description to MOE – April 2010  
FIT Contract Award – April 2010  
First Public Meeting – August 2010  
Final Public Meeting – May 2011  
REA Application Submission – June 2011  
REA Received – November/December 2011  
Start of Construction – Fall 2011  
Commercial Operation Date – Fall 2012

For more information regarding this Project please visit the Project website at [northlandpower.ca/bellevillesouth](http://northlandpower.ca/bellevillesouth).



# Construction

**Construction of the proposed Projects is anticipated to start following the appropriate approvals, in the fall of 2011. The construction take approximately 6-9 months and will consist of:**

- *Site Preparation*
- *Construction and Installation of the Facility*
- *Testing and Commissioning*
- *Site Restoration*

Each day construction will normally begin at 7:00 am and end at 6:00 pm, in accordance with municipal by-laws. If a longer construction day becomes required, the Project will abide by local municipal requirements and minimize impacts to the local community.

*Site preparation* refers to activities such as:

- Surveying/staking, site clearing and grubbing (where required)
- Construction of access roads and drainage systems
- Installation of fencing, and construction of a laydown area

It is anticipated that these activities will require several months to complete

*Construction and installation of the facility* includes:

- Pouring of the concrete foundations for electrical equipment
- Installation of electrical equipment such as inverters and transformers, interconnection cable trenching
- Installation of PV panel supports and the racking systems
- Placement of PV panels

*Testing and commissioning* will be performed prior to start-up and connection to the power grid. Solar modules, inverters, collection system, and substation will be checked for system continuity, reliability, and performance standards.

*Site restoration* will be applicable for the entire Project location. The main objective will be to (i) establish ground cover and drainage within the solar panel footprint and (ii) re-instate temporarily disturbed areas to the original pre-construction. All construction material, equipment, temporary facilities, and waste will be removed from the site. Revegetation will include planting of native plants and hydro-seeding where required.














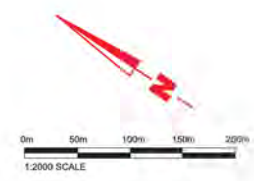
# Belleville North Solar Project - Site Layout



TO POINT OF CONNECTION  
 APROX. 2 km  
 (44.090523, -77.309591)

## LEGEND:

-  GRAVEL ACCESS ROAD
-  GATE
-  OVERHEAD 44 kV LINE
-  OVERHEAD 44 kV LINE BY HYDRO ONE
-  PROPERTY BOUNDARY
-  CULVERT
-  AVAILABLE AREA BOUNDARY / FENCE LINE & PROPERTY SETBACK @ 10 m (CONSTRUCTION SILT FENCE)
-  CONSTRUCTION LAYDOWN AND POTENTIAL SOLAR MODULE AREA
-  PCC (POINT OF COMMON COUPLING)
-  2 x 625 kVA INVERTER  
1 x 1250 kVA TRANSFORMER
-  163 RACKS IN ONE GROUP, 3 STRINGS OF 11 PANELS PER RACK (SET @ 30° TILT WITH 7.6 METERS SPACING)  
42,900 PANELS REQUIRED, AND 43,032 PANELS USED FOR LAYOUT.  
NOMINAL CAPACITY: 12 MW<sub>DC</sub> OR 10 MW<sub>AC</sub>



REVISIONS			
NO.	DATE	BY/REV.	REMARKS

NO.	DATE	BY/REV.	REMARKS

This drawing is the property of Co-generation Associates Limited and is intended for use only for the project specified in the title block. It is not to be used for any other purpose without the written consent of Co-generation Associates Limited. All rights reserved. 2019

**COGENERATION Associates Limited**

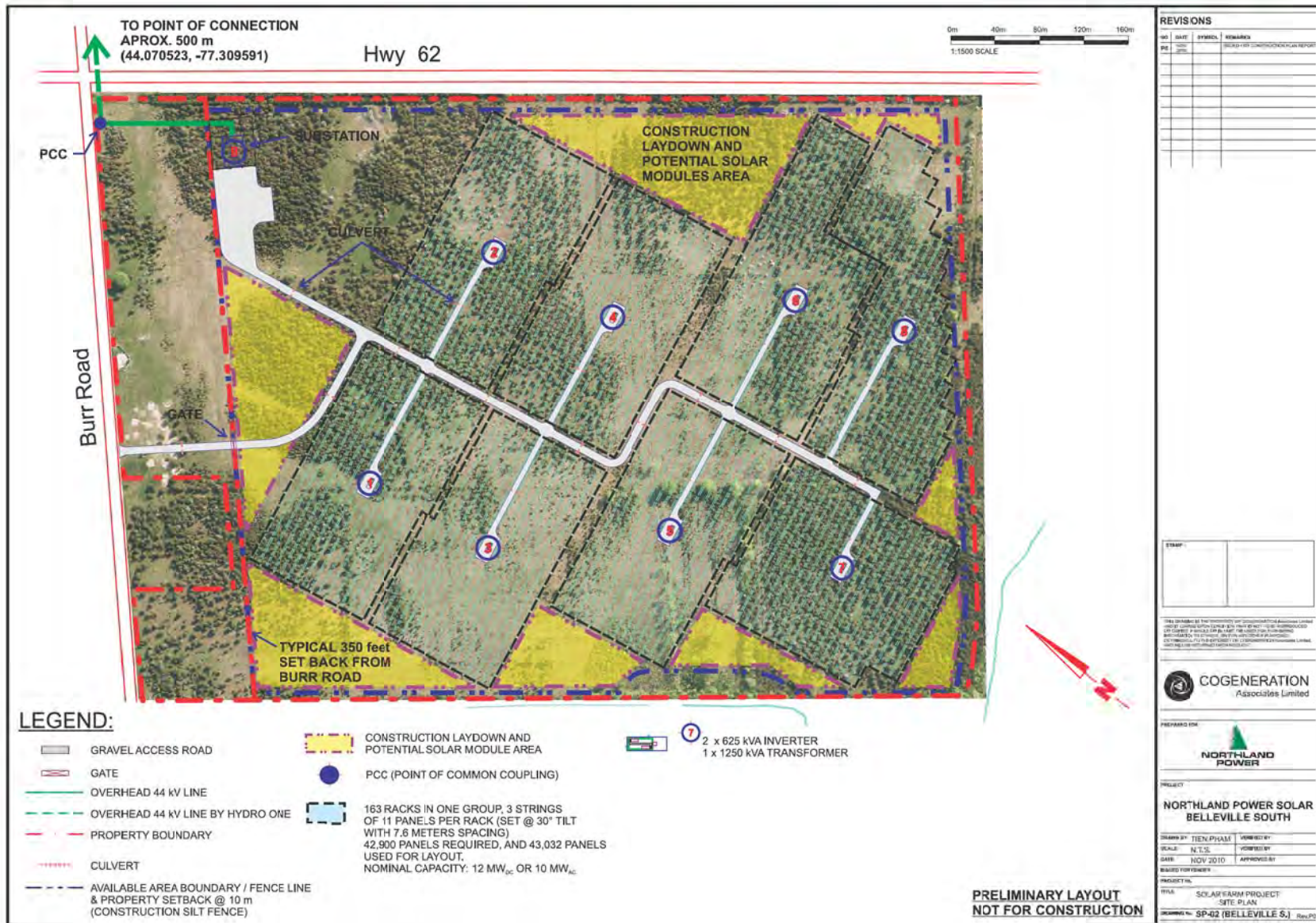
PREPARED FOR: **NORTHLAND POWER**

PROJECT: **NORTHLAND POWER SOLAR BELLEVILLE NORTH**

DESIGNED BY: TEN PHAM      VERIFIED BY:      DATE: NOV 2019      APPROVED BY:      PROJECT NO:      TITLE: SOLAR FARM PROJECT SITE PLAN      DRAWING NO: SP-02 (BELLEVILLE N.) Rev:00

**PRELIMINARY LAYOUT  
 NOT FOR CONSTRUCTION**

# Belleville South Solar Project - Site Layout



TO POINT OF CONNECTION  
APROX. 500 m  
(44.070523, -77.309591)

Hwy 62

0m 40m 80m 120m 160m  
1:1500 SCALE

**REVISIONS**

NO	DATE	SYMBOL	REVISIONS

**LEGEND:**

- GRAVEL ACCESS ROAD
- GATE
- OVERHEAD 44 kV LINE
- OVERHEAD 44 kV LINE BY HYDRO ONE
- PROPERTY BOUNDARY
- CULVERT
- AVAILABLE AREA BOUNDARY / FENCE LINE & PROPERTY SETBACK @ 10 m (CONSTRUCTION SILT FENCE)
- CONSTRUCTION LAYDOWN AND POTENTIAL SOLAR MODULE AREA
- PCC (POINT OF COMMON COUPLING)
- 163 RACKS IN ONE GROUP, 3 STRINGS OF 11 PANELS PER RACK (SET @ 30° TILT WITH 7.6 METERS SPACING). 42,900 PANELS REQUIRED, AND 43,032 PANELS USED FOR LAYOUT. NOMINAL CAPACITY: 12 MW<sub>DC</sub> OR 10 MW<sub>AC</sub>
- 2 x 625 kVA INVERTER  
1 x 1250 kVA TRANSFORMER

**PRELIMINARY LAYOUT  
NOT FOR CONSTRUCTION**

STAMP

COGENERATION Associates Limited

PREPARED FOR:

NORTHLAND POWER

PROJECT:

**NORTHLAND POWER SOLAR BELLEVILLE SOUTH**

DRAWN BY: TIEN PHAM      VERIFIED BY:

SCALE: N.T.S.      CHECKED BY:

DATE: NOV 2010      APPROVED BY:

DESIGN FOR: VERITY

PROJECT NO.:

TYPE: SOLAR FARM PROJECT - SITE PLAN

DRAWING NO.: SP-02 (BELLEVILLE S.) Rev:PO

# Operation

**Following construction, the operations phase is expected to commence in late summer of 2012. Operations will consist of routine maintenance inspections and general up keep of the Projects (e.g., panel cleaning and mowing). Otherwise, no on-site staff will be required.**

Visual inspections of the transformers and erosion and sedimentation control measures are to occur monthly. Panel cleaning may or may not be required, depending on weather conditions, and if required, any water used will be brought to the site. No chemicals will be used for cleaning.

Vegetation, including underneath the panels, will be selected to minimize maintenance activities (e.g., mowing) and to provide groundcover to both protect and enhance the soil and to provide wildlife habitat. Presently, a mix of low growing, weed-resistant turf type fescues is proposed. Herbicides will not be used to control vegetation growth during operations.

Site security will consist of fencing and limited lighting near the entrance of the facility. Fencing will consist of a 2 meter high wire fence, with barb wire along the top of the fence.

For more information, please refer to the Project's *Design and Operation Report*

**Potential environmental effects during operations are addressed within the Project reports. Based on our initial public consultation, two of the specific areas of concern relating to operation that have been identified were:**

- *Visual Impact*
- *Noise Impact*

These are discussed separately on the following boards



# Belleville North Solar Project - Site Layout

## Visual of Site

Tall grasses and/or other vegetation may also be considered as additional beautification measures.



Existing Site with meteorological station



Project Site with solar panels installed



# Belleville South Solar Project - Site Layout

## Visual of Site

An artist rendering of the Belleville South Solar Project following installation is shown below.

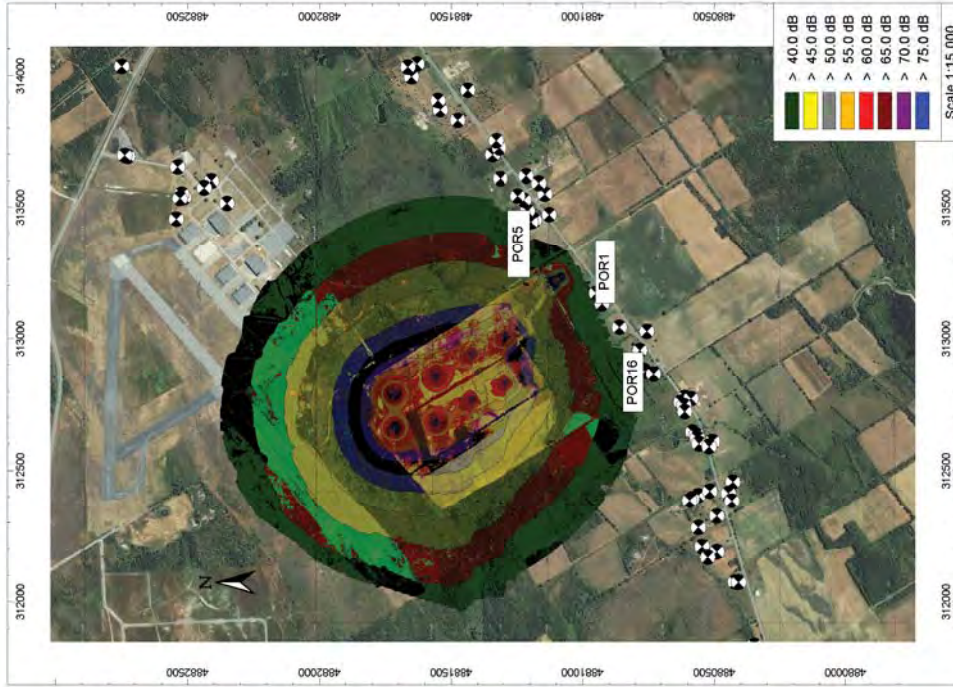


# Noise

## Noise Study

A detailed analysis of the noise emissions to be produced by the Project has been completed in accordance with Ministry of Environment guidelines. It has been determined that noise levels will not exceed 40 dBA at sensitive receptors at any time of day in accordance with regulated noise levels. At the time of preparing the noise studies, final component selection (i.e. inverters and transformers) had not been completed. For that reason, this study reflects a "worst case" scenario for potential noise impacts, by modeling the highest sound profiles of those components under consideration.

## Noise Barometer



Belleville North Solar Project



Belleville South Solar Project

# Belleville North Solar Project

## Natural Heritage Assessment

### Existing Environment

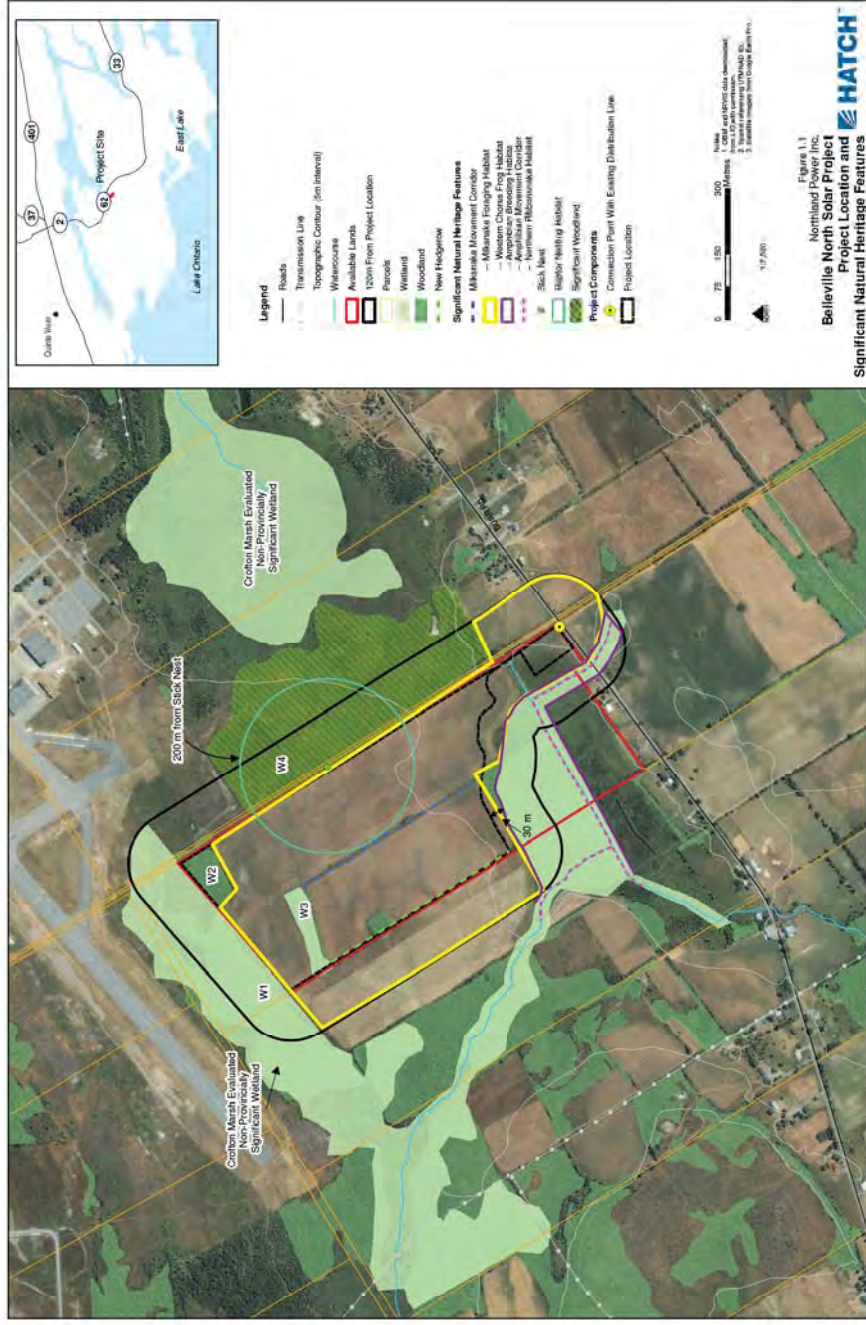
The terrestrial environment on the Project location is described as follows:

- Primarily an agricultural field used for the production of hay, with both wetlands and woodlands occurring on the Project location
- Significant wildlife habitat for Milksnake, Northern Ribbonsnake and Western Chorus Frog as well as raptor nesting, amphibian breeding and an amphibian movement corridor
- The woodland along the eastern boundary of the Project location is a significant woodland
- The wetlands present on and within 120 m were determined to be complex with the Crofton Marsh Evaluated non-Provincially Significant Wetland Complex

### Mitigation Measures for Environmental Protection

A variety of mitigation measures will be used to limit any impact on the terrestrial environment. Examples of these include:

- Avoidance of encroachment on the significant woodland, amphibian animal movement corridor, amphibian breeding habitat, Western Chorus Frog habitat and Northern Ribbonsnake habitat
  - Demarcation of work areas to prevent encroachment beyond designated sites
  - Construction outside of the bird breeding period wherever possible
  - Visual search following completion of fence for trapped wildlife
  - Visual monitoring of work areas, equipment and access roads prior to start of work each day to search for wildlife species, including Milksnake
  - During construction, a 200 m buffer from raptor nest, if occupied
- There will be no change to the existing environment outside of the Project location.



# Belleville South Solar Project

## Natural Heritage Assessment

### Existing Environment

The terrestrial environment on the Project location is described as follows:

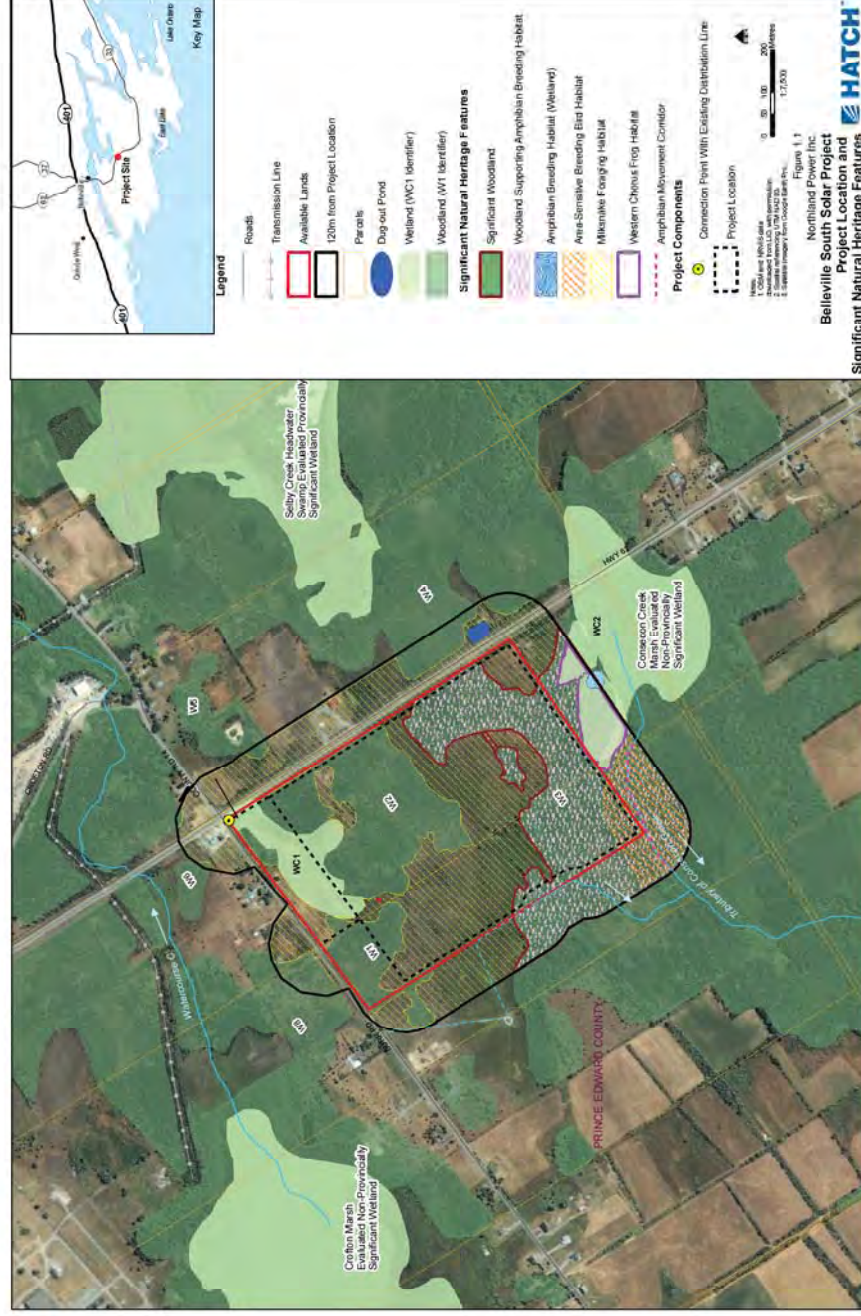
- Primarily an agricultural field used for cattle pasture
- Significant wildlife habitat for Milksnake and Western Chorus Frog as well as habitat for area - sensitive species, amphibian breeding and an amphibian movement corridor
- A woodland was determined to be significant, while all the wetlands present on and within 120 m of the Project location were considered non-significant

### Mitigation Measures for Environmental Protection

A variety of mitigation measures will be used to limit any impact on the terrestrial environment. Examples of these include:

- Demarcation of work areas to prevent encroachment beyond designated sites
- Construction outside of the bird breeding period wherever possible
- Visual search following completion of fence for trapped wildlife
- Visual monitoring of work areas, equipment and access roads prior to start of work each day to search for wildlife species, including Milksnake
- Tree removal from Woodland 3 to occur outside of breeding bird period

There will be no change to the existing environment outside of the Project location.



# Belleville North Solar Project

## Waterbodies

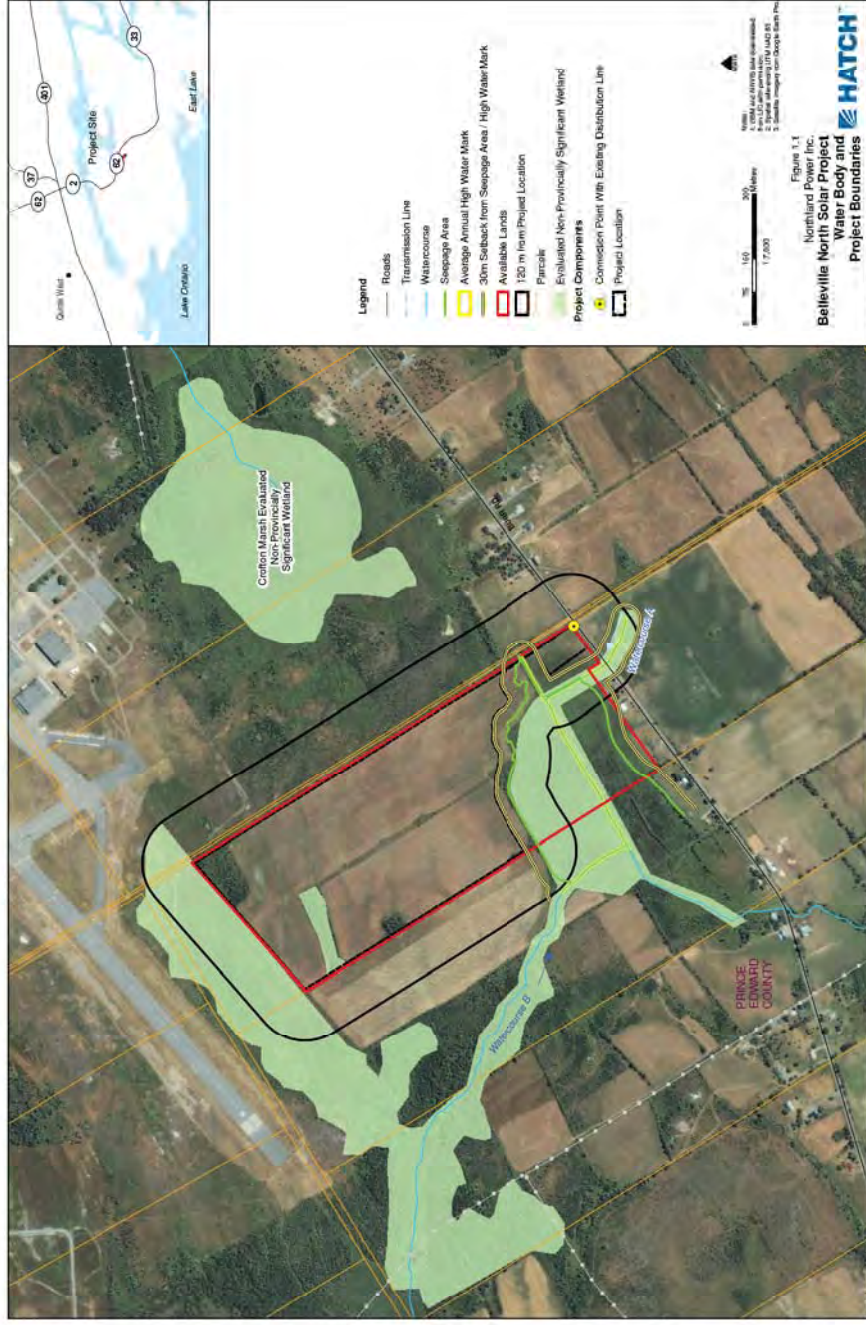
### Existing Environment

There are 2 waterbodies and a seepage area within 120 m of the Project location.

### Mitigation Measures for Environmental Protection

A variety of standard mitigation measures will be used to limit any impact on the aquatic environment. Examples of these include:

- No Project components will be installed within 30 m of the average annual high water mark of any water body
- Dense ground cover vegetation will be planted within 30 m setback from waterbodies to improve runoff filtration and riparian habitat
- Erosion and sedimentation controls (e.g., silt fencing, site stabilization, construction phasing)
- Stormwater Management measures (e.g., site revegetation, enhanced vegetated swales)
- Spill Prevention and response measures (e.g., handling protocols, secured storage areas, clean-up materials on-hand)
- Dust control measures (e.g., watering of access roads, tarping of stock piles)



# Belleville South Solar Project

## Waterbodies

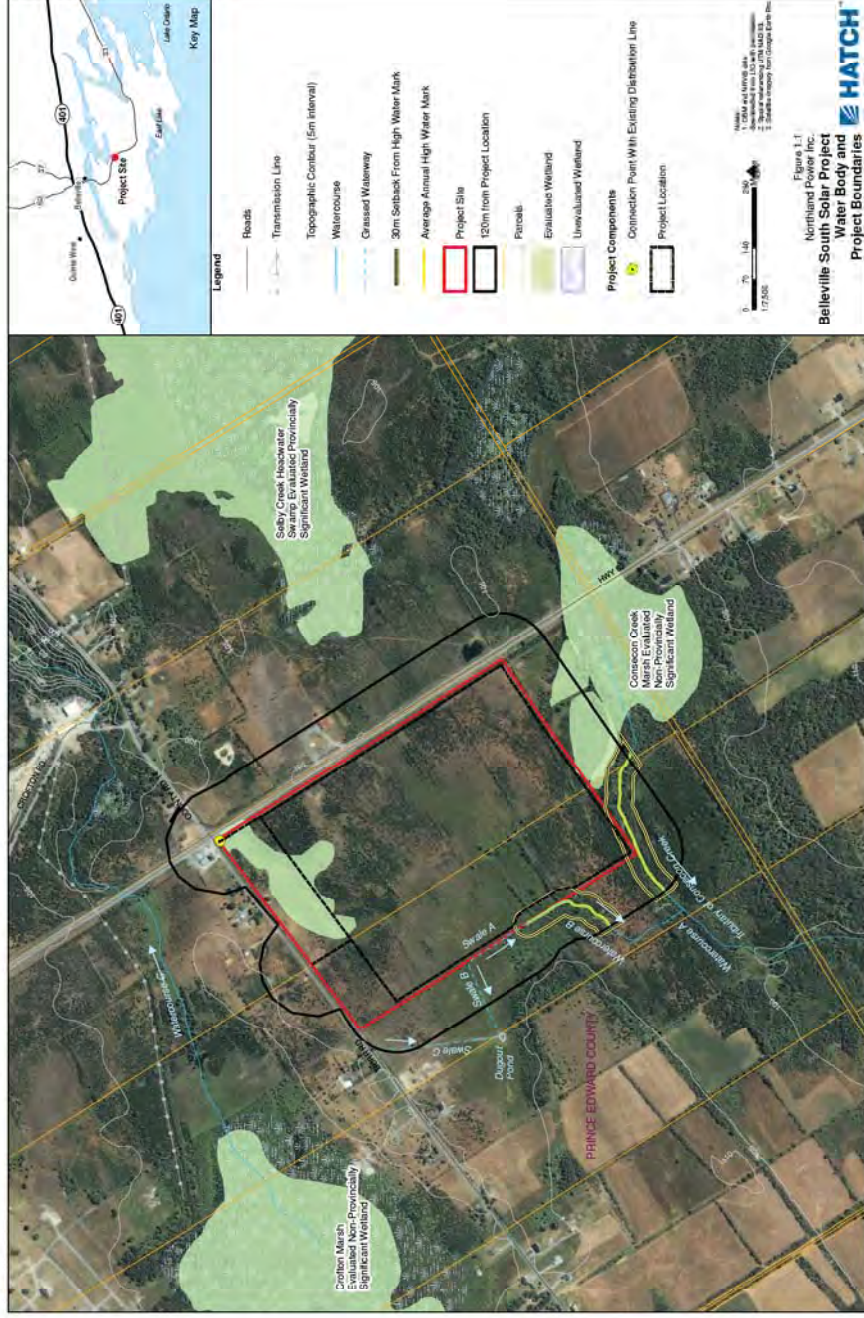
### Existing Environment

There are 2 watercourses within 120 m of the Project location.

### Mitigation Measures for Environmental Protection

A variety of standard mitigation measures will be used to limit any impact on the aquatic environment. Examples of these include:

- No Project components will be installed within 30 m of the average annual high water mark of any water body
- Dense ground cover vegetation will be planted within 30 m setback from waterbodies to improve runoff filtration and riparian habitat
- Erosion and sedimentation controls (e.g., silt fencing, site stabilization, construction phasing)
- Stormwater Management measures (e.g., site revegetation, enhanced vegetated swales)
- Spill Prevention and response measures (e.g., handling protocols, secured storage areas, clean-up materials on-hand)
- Dust control measures (e.g., watering of access roads, tarping of stock piles)



# Decommissioning

**It is anticipated that decommissioning will occur in 2032 following the expected 20 year lifespan of the Project. Decommissioning will consist of:**

- *Equipment dismantling and removal*
- *Site restoration*

*Equipment dismantling and removal* will include the PV modules, electrical equipment, access roads and foundations as well as any other facility equipment. Equipment and material may be salvaged for resale, scrap value or disposal, depending on market conditions.

*Site restoration* will consist of the following, subject to environmental requirements and the wishes of the landowner:

- All equipment, foundations and material (including roads) will be removed from site
- Any damage to existing tile drainage system, if applicable, will be repaired/restored
- Any excavation and/or trench will be backfilled and graded to original contours
- Should the subsoil be negatively affected and compromise the future productive use of the land, the following will be implemented: first the topsoil will be removed and stockpiled; then the subsoil may be ripped and tilled prior to grading it; topsoil will then be replaced and revegetated
- Should the soil be negatively affected and compromise the future productive use of the land, nutrients may be added or fertilizers deployed
- Topsoil and compost will be blended where required, spread and replaced to original depth
- Hydroseeding with approved seed mixture and mulching during the appropriate seasonal conditions

For more information, please refer to the Project's *Decommissioning Plan Report*



# Next Steps

- Following the completion of this Final Public Meeting, all comments and concerns will be incorporated into the REA Project Documents and the Project proposals. Then a submission to the Ministry of the Environment will be made to obtain a Renewable Energy Approval.
- Following the acceptance of the REA submission, the Ministry of the Environment will post on the Environmental Registry; (<http://www.ebr.gov.on.ca/ERS-WEB-External/>) a proposal notice for public comment and review. Comments can then be submitted directly to the Ministry of the Environment.
- Lastly, the Ministry of the Environment provides a decision notice of the Projects. If no appeals are received, the Projects can move forward with construction, pending any further required approvals.

Again, we request that any comments please be sent by:

Wednesday, June 8, 2011,  
Two (2) weeks after the  
Final Public Meeting.



**Thank you for attending this  
Final Public Meeting**

*Your opinion is  
important to us*

**Please Fill Out A  
Comment Form**





# Northland Power



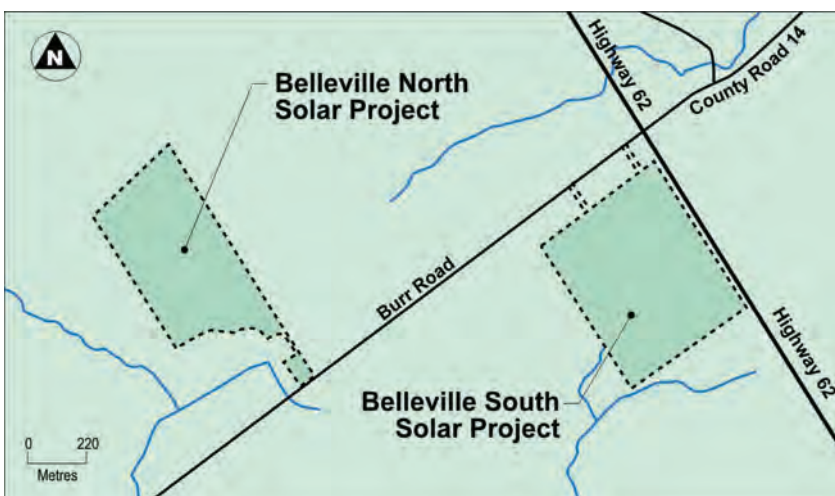
In accordance with the new Green Energy Act, the Ontario Power Authority has awarded Feed-in-Tariff (FIT) contracts for renewable energy projects in Ontario. Northland Power Inc. has been awarded a total of 13 contracts to develop solar farms throughout Ontario. Of these 13 developments, the Belleville North Solar and Belleville South Solar Projects are proposed to be located in the vicinity of the Community of Crofton. The Belleville North Solar Project is located on Burr Road and the Belleville South Solar Project is located on Highway 62. The proposed projects are considered to be a Class 3 Solar Facilities, with a name plate capacity of 10MW. The project is currently undertaking the Renewable Energy Approval (REA) process.



## Northland Power Inc.

Northland Power develops and operates clean and green power generation projects, mainly in the province of Ontario, Quebec and Saskatchewan. Our facilities generate about 870 MW of electricity. Within Ontario, Northland currently operates combined cycle plants in Kirkland Lake and Cochrane, as well as a cogeneration facility in Iroquois Falls and Thorold.

Renewable power facilities including 216 MW of wind, solar and run-of-river hydro projects were awarded to Northland under the Ontario Power Authority's Feed-in-Tariff program. In Saskatchewan, Northland has the 86 MW Spy Hill project and the 260 MW North Battleford project under development.



## Belleville North and Belleville South Solar Projects

The Belleville North Solar Project is located Burr Road and the Belleville South Solar Project is located on Highway 62.

Reports for the Project are available for your review at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and [www.northland.ca/bellevillesouth](http://www.northland.ca/bellevillesouth). These include:

- Project Description Report,
- Executive Summary,
- Construction Plan Report,
- Design and Operations Report,
- Decommissioning Plan Report,
- Stage 1 and 2 Archaeological Assessment Report,
- Noise Study Report,
- Natural Heritage Assessment Reports, and
- Water Body Assessment Reports.

## How Solar Power Works

Northland's proposed project will utilize solar photovoltaic (PV) panels to transform energy from the sun into electrical energy for use by Ontarians. According to Natural Resources Canada, solar PV technology has become a favoured form of renewable energy technology due to a number of social and economic factors, including the need to reduce greenhouse gas (GHG) emissions. Once constructed, solar PV also has little impact on the surrounding environment as there are no air emissions and limited amounts of waste are produced during.

A typical solar PV panel is constructed of several layers. The top layer is comprised of glass that protects the PV cell from the elements, with a coating applied to reduce reflected light from the panel. Beneath the glass is a grid, usually made of a metal that conducts electricity. Openings in the grid let sunlight reach the silicon layers underneath, where electricity is generated. Solar PV panels are an environmentally friendly way of producing energy as they:

- contain no liquids, corrosive chemicals or moving parts
- require little maintenance, do not pollute, and operate silently

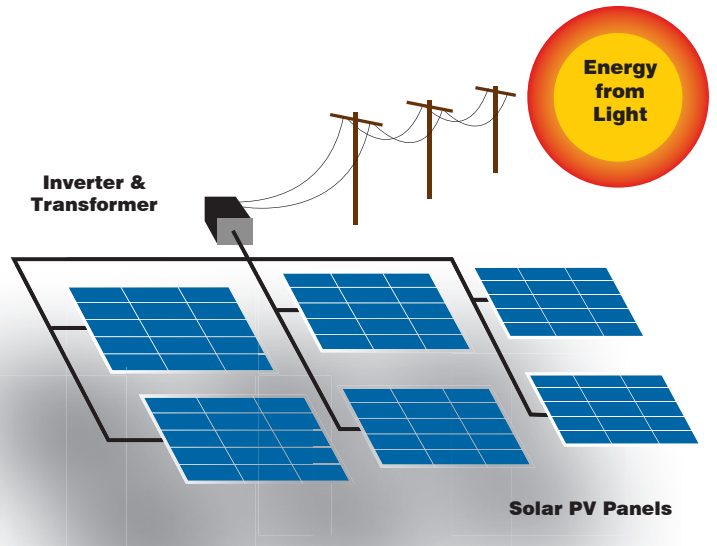
Electricity generated by the panels is then converted from DC power to AC power at inverter stations located within the solar PV facility. The power is then transformed to the voltage of the local distribution system and delivered to Hydro One's distribution network. As the power is provided to the distribution network, power generated by the project is available for immediate use by users on the same network.

## Renewable Energy in Ontario

Presently, only 25% of Ontario's electricity supply comes from renewable sources, with the majority provided by nuclear, coal-fired, and oil and gas-based facilities. In order to spark growth in clean and renewable sources of energy, such as solar power, the Ontario government passed the Green Energy Act on May 14, 2009. It is the intention of the Ontario government to promote a stronger, greener economy for the Province.

In support of the Green Energy Act, Northland will source at least 60% of the materials needed to construct the projects from domestic companies. In addition, the design, manufacture, construction, and operation/maintenance of Northland's proposed green energy projects within the province will result in the creation of hundreds of jobs.

Northland's proposed solar projects will have a combined nameplate capacity of 130 MW, helping Ontario reach its goal of doubling the amount of electricity supplied from renewable sources. This will also contribute towards Ontario's goal of phasing out coal-fired electricity generation by 2014.



## HATCH™

Hatch Ltd is an Ontario-based consulting, engineering, environmental and management company with operations worldwide and a reputation for excellence acquired over 80 years of continuous service to its clients.

Hatch has been retained by Northland to undertake the REA process for their various solar projects within the province.

### Additional Information:

To learn more about the proposed Belleville North and Belleville South Solar Projects public meeting in relation to this project, or to communicate concerns please contact:

**Sean Male, MSc, Environmental Coordinator**  
Hatch Ltd.

**Address: 4342 Queen Street, Suite 500**  
Niagara Falls, Ontario, L2E 7J7

**Phone: 905-374-0701 Ext. 5280**

**Fax: 905-374-1157**

**Email: [smale@hatch.ca](mailto:smale@hatch.ca)**

# Appendix E

## Correspondence with the Public

---

**From:** Male, Sean  
**Sent:** Monday, October 18, 2010 6:19 AM  
**To:** 'Bill & Sharon Hopkins'  
**Subject:** RE: Belleville North Project

Hi Bill,

I apologize for the delay; I was out of the office most of the last two weeks.

The security fencing will primarily be located around the perimeter of the solar panel footprint shown in the figure, with the exception that some fencing may be required south of the watercourse in the southeastern portion of the leased lands shown in the figure. The exact requirements are still being determined, so unfortunately I cannot confirm whether this will occur, or show you a map of what this will look like at this time. This information will be available with all of the documentation to be released for public review 60 days prior to the second public meeting.

Please let me know if you have further questions.

Thank you again for your correspondence,

**Sean K. Male, M.Sc.**

Terrestrial Ecologist, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

---

**From:** Bill & Sharon Hopkins [<mailto:sharwill102@gmail.com>]  
**Sent:** Wednesday, October 13, 2010 11:15 AM  
**To:** Male, Sean  
**Subject:** Re: Belleville North Project

Hi Sean, I am still waiting on a reply as to where the security fencing is proposed to be located around the Belleville North Solar Project. Thanks

Bill Hopkins

On Thu, Oct 7, 2010 at 8:01 AM, Bill & Sharon Hopkins <[sharwill102@gmail.com](mailto:sharwill102@gmail.com)> wrote:  
Thank you for your reply. As I understand from your e-mail the solar panels are likely to be located within the black line noted on the attached map. Where is the security fencing proposed to be located?

Bill Hopkins

On Wed, Oct 6, 2010 at 10:17 AM, Male, Sean <[SMale@hatch.ca](mailto:SMale@hatch.ca)> wrote:

Dear Mr. Hopkins,

Thank you for questions on the proposed Belleville North Solar Project. We apologize for the time it has taken us to get back to you but we trust the enclosed information satisfies your inquiry.

The Project Location Map provided on the website identifies the extent of lands available for the Project (i.e., those that have will be leased for the Project). The mapping provided in the handout at the first public meeting more accurately depicts where within the boundary of available lands solar panels are likely to be located. I have attached a copy of the figure to this e-mail for your reference. The red line shown in this figure corresponds with the boundary shown in the Project location map, while the black outline identifies the location where solar panels are likely to be placed. Further detail regarding the layout of the project will be available at least 60 days prior to the second public meeting.

Please let me know if you have further questions regarding this project.

Sincerely,

**Sean K. Male, M.Sc.**

Terrestrial Ecologist, Environmental Assessment & Management

Tel: +1 905 374 0701 ext. 5280

Niagara Falls, ON

**From:** Bill & Sharon Hopkins [mailto:[sharwill102@gmail.com](mailto:sharwill102@gmail.com)]

**Sent:** September 30, 2010 2:19 PM

**To:** Mike Lord

**Cc:** [karnold@hatch.ca](mailto:karnold@hatch.ca)

**Subject:** Belleville North Project

Hi Mike and Kimberly,

I am a property owner (386 Burr Rd.) directly south of the proposed Belleville North - Solar Energy Project. I have one question. Exactly where on the project site are the solar panels and security fencing proposed to be located? The Project Location Map on your web site indicates a

different project site location than the project site location noted in the hand out provided at the first public meeting August 25th at the Allistonville Town Hall. Thanking you in advance for your reply.

Bill Hopkins

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**NOTICE** - This message from Hatch is intended only for the use of the individual or entity to which it is addressed and may contain information which is privileged, confidential or proprietary. Internet communications cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, arrive late or contain viruses. By communicating with us via e-mail, you accept such risks. When addressed to our clients, any information, drawings, opinions or advice (collectively, "information") contained in this e-mail is subject to the terms and conditions expressed in the governing agreements. Where no such agreement exists, the recipient shall neither rely upon nor disclose to others, such information without our written consent. Unless otherwise agreed, we do not assume any liability with respect to the accuracy or completeness of the information set out in this e-mail. If you have received this message in error, please notify us immediately by return e-mail and destroy and delete the message from your computer.

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**From:** Don Ross [<mailto:ecodonross@hotmail.com>]  
**Sent:** Monday, May 02, 2011 12:55 PM  
**To:** Male, Sean  
**Subject:** RE: message of support for Northland Power PEC Solar Project

Sean, Thanks for your response.....now I understand how the names came about. Hope to make it there on the 25th if possible, and will say hello in person then.

**DON ROSS** -Sustainability & Renewable Energy Advisor " A helping hand on your journey to sustainability "  
" [ecodonross@hotmail.com](mailto:ecodonross@hotmail.com)

Our home is Bullfrog powered with 100% Green electricity 613-476-8016 Director with County Sustainability Group [countysustainability.ca](http://countysustainability.ca)

Join the conversation and spread the word about wind energy! [friendsofwind.ca](http://friendsofwind.ca)

What you do makes a difference, and you have to decide what kind of difference you want to make. "- Jane Goodall



Please consider your environmental responsibility before printing this e-mail

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Subject: RE: message of support for Northland Power PEC Solar Project  
Date: Mon, 2 May 2011 12:35:44 -0400  
From: [SMale@Hatch.ca](mailto:SMale@Hatch.ca)  
To: [ecodonross@hotmail.com](mailto:ecodonross@hotmail.com)

Dear Mr. Ross,

Thank you very much for your reply and for your expression of support for the Belleville North and Belleville South Solar Projects being proposed by Northland Power.

Thank you also for your suggestion re name change for the Project. At the time that Northland selected the names for the Projects, name selection was made in light of the relevant transmission station the Projects would be connected to (i.e. the Belleville T.S.). At this point in time, given all of the activities completed with the present Project names, it is not possible to change the names, however if Northland completes further Projects in this area they will consider naming the Projects in relation to areas located geographically closer to the Project location to avoid any confusion.

We hope to see you at our final public meeting on the 25<sup>th</sup>.

Sincerely,

Sean

**Sean K. Male, M.Sc.**

Terrestrial Ecologist, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

**From:** Don Ross [<mailto:ecodonross@hotmail.com>]  
**Sent:** Sunday, March 27, 2011 4:46 PM  
**To:** Male, Sean  
**Subject:** message of support for Northland Power PEC Solar Project

Dear Sean at Hatch Ltd, and the Northland Power Group ,

Our family in Milford, where we've lived since 1980, are very pleased to see another fine solar project proposed for our Prince Edward County. We want you to know you have our full support as you move forward in the process towards commissioning, in the same manner as we have supported each renewable energy project ( solar and wind ) that has been proposed here in past years. We believe strongly that we need a mix of renewable energy production in this province in order to end our un-sustainable & harmful reliance on fossil and nuclear fuelled electricity production. We all need to do our part in reducing the carbon footprint of our energy use, through methods such as solar and wind farms, conservation, micro-fit generation ( as we have been doing since the original RESOP ), political action and more. The location you have chosen for your Belleville North Solar Project, being such marginal soil not suitable for crops, and with the air base in the vicinity, seems to us to be absolutely appropriate use of land. We also love the fact that the phase along Hwy 62 will be more visible to the many drivers and tourists who travel that roadway, thereby increasing the public awareness and acceptance of clean energy. For too long, our power has come from some distant place, as if by magic, with no accountability for how it is produced, what harmful affects it is having on those nearby and all of us breathing polluted air and suffering from climate change. We hope that once you have built this solar farm, that you will engage the public and our schools with an educational component easily accessible to anyone who wants to learn more. Another positive suggestion for you to consider is a name change to something that reflects its actual location in this place we all proudly call home, Prince Edward County. You would find much more local support with a name that had more local meaning to county residents. It baffles me how this became called the Belleville North and South Solar Project, which would indicate to anyone with a map or knowledge of the region that this project is situated across the Bay Bridge north of the city of Belleville, and just south of it along the lake? Something along the lines of Mountainview or even Burr Road Solar Project would make more sense, given that this is what most people know this area of the County to be called. Anyway, we hope to make it out to your final public Meeting on May 25<sup>th</sup> since we were away for your other one. Please add us to your online mailing list and count us in as a local supporter. Best wishes for a speedy and successful project.

Don and Heather Ross- RR2, Milford, Ontario K0K2P0 613-476-8016

**DON ROSS** -Sustainability & Renewable Energy Advisor " A helping hand on your journey to sustainability " [ecodonross@hotmail.com](mailto:ecodonross@hotmail.com)  
Our home is Bullfrog powered with 100% Green electricity 613-476-8016  
Director with the County Sustainability Group [www.countysustainability.ca](http://www.countysustainability.ca)  
" What you do makes a difference, and you have to decide what kind of difference you want to make. "- Jane Goodall



Please consider your environmental responsibility before printing this e-mail

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addressed and may contain information which is privileged, confidential or proprietary. Internet communications cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, arrive late or contain viruses. By communicating with us via e-mail, you accept such risks. When addressed to our clients, any information, drawings, opinions or advice (collectively, "information") contained in this e-mail is subject to the terms and conditions expressed in the governing agreements. Where no such agreement exists, the recipient shall neither rely upon nor disclose to others, such information without our written consent. Unless otherwise agreed, we do not assume any liability with respect to the accuracy or completeness of the information set out in this e-mail. If you have received this message in error, please notify us immediately by return e-mail and destroy and delete the message from your computer.

# Appendix F

## Correspondence with Agencies

## Zhu, Julie

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**From:** Male, Sean  
**Sent:** Friday, June 10, 2011 11:49 AM  
**To:** Vukovics, Kathleen  
**Subject:** FW: Proposed Belleville North Solar Project

Sean K. Male, M.Sc.  
Terrestrial Ecologist, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

-----Original Message-----

**From:** [FREDERICK.LORD@forces.gc.ca](mailto:FREDERICK.LORD@forces.gc.ca) [<mailto:FREDERICK.LORD@forces.gc.ca>]  
**Sent:** Monday, September 13, 2010 8:34 AM  
**To:** Male, Sean  
**Cc:** [NANCY.GRAHAM2@forces.gc.ca](mailto:NANCY.GRAHAM2@forces.gc.ca); [BERNARD.CASTONGUAY@forces.gc.ca](mailto:BERNARD.CASTONGUAY@forces.gc.ca);  
[Phil.Baker@forces.gc.ca](mailto:Phil.Baker@forces.gc.ca); [JANE.CLEMENT@forces.gc.ca](mailto:JANE.CLEMENT@forces.gc.ca)  
**Subject:** Proposed Belleville North Solar Project

Good Morning:

I am writing in response to a Public Meeting that was conducted on the 25 Aug, 2010 at the Allisonville Town Hall in regard to the subject project. I am afraid that I was unaware of the meeting and therefore did not attend. I have a few concerns that may need to be assessed by this project. It appears that the project entails the installation of solar panels up to the south fence line of CFD Mountain View.

This raises a concern for the possible negative impact on flying operations for various aircraft operated out of Mountain View airport. One of the concerns is reflection of solar rays on landing and taking off of aircraft. As these times are a critical time of flight, any distraction to aircraft operators could have safety implications.

Also CFD Mountain View is used for deploying various Heavy Loads out of aircraft and bringing them to the ground with the use of parachutes. As the landing zone is close to this northern array, a chute failure could result in the destruction of a lot of solar panels. This might not be the place you want to install these panels.

I realize this public meeting falls in line with Environmental Requirements, and perhaps we need to correspond with the proponents of this project.

Cordially Yours;

fred

Frederick J. Lord, CD, R/W-AMC  
Realty Manager | Directeur des biens immobiliers  
8 Wing Trenton | 8e Escadre Trenton  
National Defence | Défense nationale  
Astra, ON, Canada K0K 3W0

[frederick.lord@forces.gc.ca](mailto:frederick.lord@forces.gc.ca)

Telephone | Téléphone 613 965 2780; CSN 86 827 2780 Facsimile | Télécopieur 613  
965 2788 Government of Canada | Gouvernement du Canada

H334844

April 5, 2010

Doris Dumais  
Director, Approvals Program  
Ministry of the Environment  
Environmental Assessment and Approvals Branch  
12A Floor  
2 St. Clair Ave West  
Toronto, ON, M4V 1L5

Dear Ms. Dumais

**Subject: Draft Project Description Reports  
Northland Power Inc. Solar Projects**

On behalf of Northland Power Inc., please find attached Draft Project Description Reports for 11 proposed solar projects. Each Draft Project Description Report has been prepared in accordance with Section 13 and 14(1)(a) of Ontario Regulation 359/09 and MOE's draft Guidance for Preparing the Project Description Report.

As per Section 14(1)(b) of Ontario Regulation 359/09, we look forward to receiving from you the list of Aboriginal communities that we will consult with on each project.

If you have any questions, please do not hesitate to contact the undersigned at 905-374-0701 (Ext. 5318) or karnold@hatch.ca.

Sincerely,

A handwritten signature in blue ink, appearing to be "K. Arnold", written over a circular scribble.

Kimberley Arnold, B.Sc., M.E.S.  
Manager, Environmental Services, Renewable Power

Attachment(s)

cc: M. Lord, Northland Power Inc.  
T. Hockin, Northland Power Inc.

May 11, 2010

Doris Dumais  
Director, Approvals Program  
Ministry of the Environment  
Environmental Assessment and Approvals Branch  
12A Floor  
2 St. Clair Ave West  
Toronto, ON, M4V 1L5

Dear Ms. Dumais

**Subject: Revised Draft Project Description Reports  
Northland Power Inc. Solar Projects**

On behalf of Northland Power Inc., please find attached the revised Draft Project Description Reports for nine proposed solar projects. As discussed with Narren Santos, Program Support Coordinator, we have revised the Project Description Reports to meet Ontario Ministry of the Environment requirements. In particular, we have revised Section 2.2 and Table 2.1 of each report. Each Draft Project Description Report has been prepared in accordance with Section 13 and 14(1)(a) of Ontario Regulation 359/09 and MOE's draft Guidance for Preparing the Project Description Report.

As per Section 14(1)(b) of Ontario Regulation 359/09, we look forward to receiving from you the list of Aboriginal communities that we will consult with on each project. We are in the process of commencing the Public and Aboriginal consultation by sending Notices of a Proposal and of First Public Meeting and as such require the list of Aboriginal communities as soon as possible to not impact project timelines.

If you have any questions, please do not hesitate to contact the undersigned at 905-374-0701 (Ext. 5318) or [karnold@hatch.ca](mailto:karnold@hatch.ca).

Sincerely,



Kimberley Arnold, B.Sc., M.E.S.  
Manager, Environmental Services, Renewable Power

Attachment(s)

cc: M. Lord, Northland Power Inc.  
T. Hockin, Northland Power Inc.

H334844

July 15, 2010

«Property\_Owner\_Name\_»  
«Address\_Including\_PO\_Box»  
«City\_», «Province\_» «Postal\_Code\_»

Dear «Property\_Owner\_Name\_»:

**Subject: Notice of a Proposal and Notice of Public Meeting  
Northland Power - Belleville North Solar Project**

Northland Power is proposing to construct a solar project in Prince Edward County, just west of the community of Crofton. The proposed project is named the Belleville North Solar Project (the "Project") and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

Northland Power is undertaking a public consultation program in support of the Project and we would like to invite you to the upcoming Public Consultation Meeting. Please find attached a "Notice of a Proposal to Engage in a Renewable Energy Project and Notice of Public Meeting", which details the time and date of the planned meeting. This joint Notice will also be published in the *County Weekly* on July 22, 2010 and July 29, 2010. The Public Consultation Meeting will provide the public with an opportunity to learn more about our Project proposal and about Northland Power.

In accordance with Section 16 (3) of Ontario Reg. 359/09, a draft "Project Description Report" and associated information pertaining to this Project and about Northland Power can be found online at: [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth). We would appreciate any comments, queries or information you may have that are relevant to the proposed Project.

Please direct any correspondence(s) to:

Sean Male, M.Sc., REA Coordinator  
Hatch Ltd.  
4342 Queen St., Suite 500  
Niagara Falls, ON, L2E 7J7  
Phone: 905-374-0701, Ext 5280  
Fax: 905-374-1157  
Email: [smale@hatch.ca](mailto:smale@hatch.ca)

Yours truly,



Sean Male, M.Sc.  
REA Coordinator

SM:srg

Attachment: Notice of a Proposal/Notice of Public Meeting: Belleville North

cc: Mike Lord, Northland Power  
Tom Hockin, Northland Power

H334680-0000-07-218-0036

# NOTICE OF A PROPOSAL

## By Northland Power to Engage in Two Renewable Energy Projects

# AND NOTICE OF PUBLIC MEETING

**Project Name:** Belleville North Solar Project

**Project Applicant:** Northland Power Solar Belleville North L.P.

**Project Location:** The Project is located on Burr Road, west of the Hamlet of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 22nd of July, 2010**

**Project Name:** Belleville South Solar Project

**Project Applicant:** Northland Power Solar Belleville South L.P.

**Project Location:** The Project is located on Highway 62, southwest of the Hamlet of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 22nd of July, 2010**

Northland Power is planning to engage in two renewable energy Projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in these Projects and the Projects themselves are subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to applications being submitted and assessed for completeness by the Ministry of Environment.

This Public Meeting is being held to provide information on the proposed Projects.

**Meeting Location:**

**Date:** Wednesday, August 25, 2010

**Time:** 6:00 pm to 9:00 pm

**Place:** Allisonville Townhall, 11 Dutch Road, (off County Road 2), Prince Edward County, ON

**Project Description:**

Pursuant to the Act and Regulation, the facilities, in respect of which these Projects are to be engaged in, are Class 3 Solar Facilities. If approved, these facilities would each have a total maximum name plate capacity of 10 MW. The Project locations are shown in the map below.

The Draft Project Description Reports, titled *Project Description Report Northland Power Solar Belleville North* and *Project Description Report Northland Power Solar Belleville South*, describe the Projects as solar electric generating facilities that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. Written copies of the Draft Project Description Reports are available for public inspection at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and at [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth).

**Project Contact and Information:**

To learn more about the project proposals, public meetings or to communicate concerns, please contact:

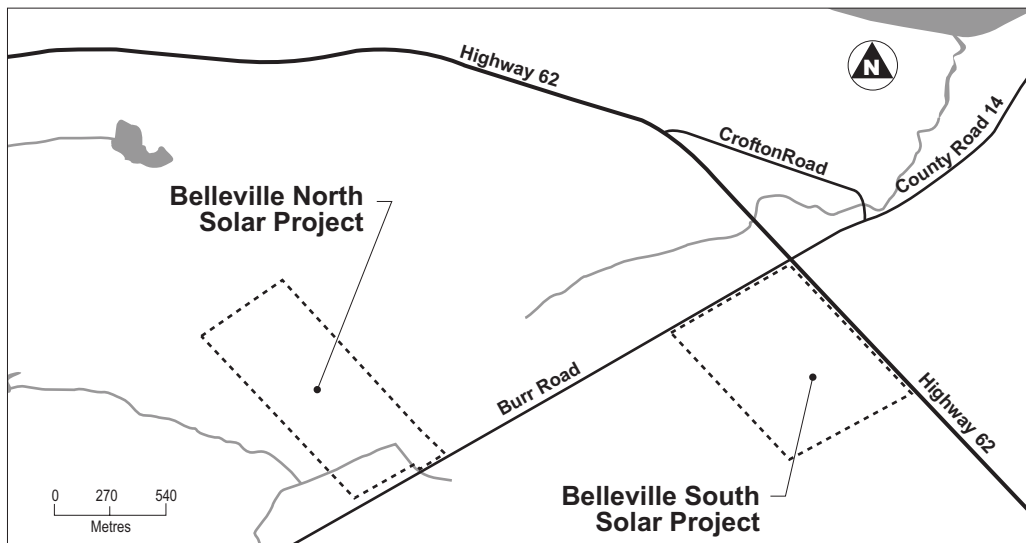
**Sean Male, MSc, Environmental Coordinator**

Hatch Ltd.

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7

Tel: 905-374-0701 ext. 5280 Fax: 905-374-1157

Email: [smale@hatch.ca](mailto:smale@hatch.ca)





H334844

March 23, 2011

XXX

XXX

**Subject: Notice of Public Meeting - Northland Power Solar Belleville North L.P - Belleville North Solar Project**

Northland Power Solar Belleville North L.P (hereafter referred to as “Northland”) is proposing to construct a solar project in the County of Prince Edward, just west of the community of Crofton. The proposed Project is named the Belleville North Solar Project (the “Project”) and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland has retained Hatch to assist in fulfilling the requirements of the REA process.

As you are aware, Northland has initiated a public consultation program in support of the Project. This letter is inviting you to an upcoming Public Consultation Meeting. Please find attached a “Notice of Public Meeting”, which details the time and date of the planned meeting. This Notice will also be published in the *County Weekly* on Thursday March 24, 2011 and again on Thursday April 29, 2011.

Along with an invitation to a Public Consultation Meeting, this letter is to provide notice that the supporting documents, as per Section 16 (1) of Ontario Regulation 359/09 are available for your review. These documents include the Natural Heritage Reports, Water Body Reports, Construction Plan Report, Design and Operation Report, Decommissioning Plan Report, Noise Assessment Study and Stage 1 and 2 Archaeological Assessment Report. As well, to aid in your review an executive summary is also provided. These reports are available on line at [northlandpower.ca/bellevillenorth](http://northlandpower.ca/bellevillenorth) and at the Ameliasburg Branch, Al Purdy Library at 809 Whitney Road, Ameliasburg, Ontario. Further, the information provided in these reports will be discussed during the Public Consultation Meeting from 6:00pm to 8:00pm on Wednesday May 25, 2011 at the Allisonville Townhall, 11 Dutch Road (off County Road 2), Prince Edward County, Ontario. We would appreciate any comments, queries or information you may have that are relevant to the proposed Project.

Please direct any correspondence(s) to:

Sean Male, M.Sc., REA Coordinator  
Hatch Ltd.  
4342 Queen St., Suite 500  
Niagara Falls, ON, L2E 7J7  
Phone: 905-374-0701, Ext 5280  
Fax: 905-374-1157  
Email: [smale@hatch.ca](mailto:smale@hatch.ca)

Yours truly,



Sean Male, M.Sc.  
REA Coordinator

SM:mg

Attachment: Notice of Public Meeting: Belleville North Solar Project and Belleville South Solar Project

cc: Mike Lord, Northland Power  
Tom Hockin, Northland Power

# NOTICE OF FINAL PUBLIC MEETING

## to be held by Northland Power Regarding a Proposal to Engage in Two Renewable Energy Projects

**Project Name:** Belleville North Solar Project

**Project Applicant:** Northland Power Solar Belleville North L.P.

**Project Location:** The Project is located on Burr Road, west of the Community of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 24th of March, 2011**

**Project Name:** Belleville South Solar Project

**Project Applicant:** Northland Power Solar Belleville South L.P.

**Project Location:** The Project is located on Highway 62, southwest of the Community of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 24th of March, 2011**

Northland Power is planning to engage in two renewable energy Projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in the projects and the projects themselves are subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

This Public Meeting is being held to provide information on the proposed Projects. The meeting will be an open house format.

### Meeting Location:

**Date:** Wednesday, May 25, 2011

**Time:** 6:00 pm to 8:00 pm

**Place:** Allisonville Townhall, 11 Dutch Road (off County Road 2), Prince Edward County, ON

### Project Description:

Pursuant to the Act and Regulation, the facilities, in respect of which these projects are to be engaged in, are Class 3 Solar Facilities. If approved, these facilities would each have a total maximum name plate capacity of 10 MW. The project location is described in the map below.

The Draft Project Description Reports, titled *Project Description Report Northland Power Solar Belleville North* and *Project Description Report Northland Power Solar Belleville South*, describe the Projects as solar electric generating facilities that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. Written copies of the Draft Project Description Reports were made available for public inspection on July 22, 2010 at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and at [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth), and at local municipal offices. Further, the applicant has prepared supporting documents as per Ontario Regulation 359/09.

Written copies of the draft supporting documents will also be made available for the public inspection on March 24, 2011 at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth), and at Ameliasburg Branch, Al Purdy Library at 809 Whitney Road, Ameliasburg, Ontario.

### Project Contact and Information:

To learn more about the project proposals, public meetings or to communicate concerns, please contact:

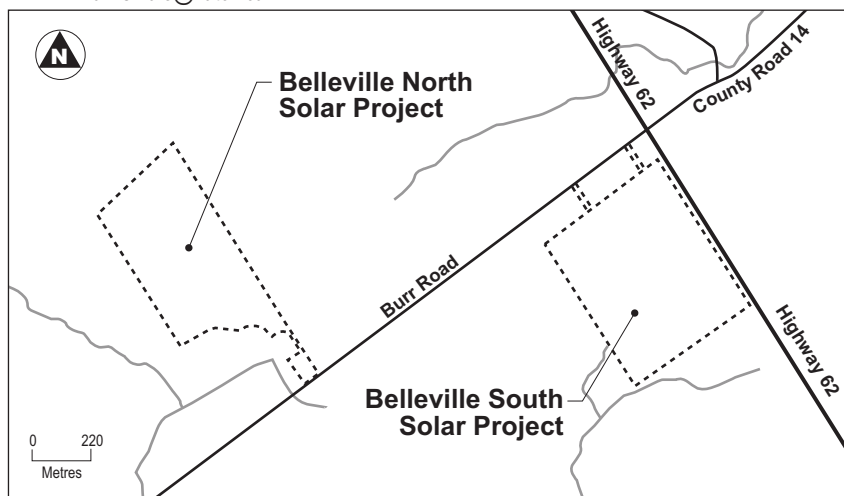
**Sean Male**, MSc, Environmental Coordinator

Hatch Ltd.

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7

Tel: 905-374-0701 ext. 5280 Fax: 905-374-1157

Email: [smale@hatch.ca](mailto:smale@hatch.ca)



## Zhu, Julie

---

**From:** Prevost, Eric (MNR) [eric.prevost@ontario.ca]  
**Sent:** Friday, May 07, 2010 4:14 PM  
**To:** Male, Sean  
**Cc:** Richards, Dave (MNR); Prevost, Eric (MNR)  
**Subject:** Preliminary Meeting Re Northland Power Solar Developments

Hi Sean,

Thanks for providing me the opportunity to further discuss your clients project. We appreciate the opportunity for open dialogues with respect to the development of natural heritage assessment methodologies and records reviews to support an application for a renewable energy project approval.

We are currently available to meet with you to discuss you clients projects on may 25<sup>th</sup> at 1:00pm here at our Peterborough office located at 300 Water Street. Please let us know if this time works for you and if there is any specific information you may required prior to our meeting.

The following is the preamble we discussed on the phone this afternoon regarding information availability and requests which may be delivered to the district. Please consider the following as technical advice which may assist you in the development of a records review report and site investigation work.

The Ministry of Natural Resources, in partnership with a number of others, maintains a number of information sources and data exchanges which are available to proponents and the general public. These information sources provide access to geospatial data through a number of free, and pay per use, tools to assist the developers and the general public in supporting their information and development needs. At this time, we are asking clients to first consider publicly available means of accessing information related to the development of their projects or proposals.

Please access the following websites, as they are sources of information which may support the development of reports or background research in support of your project.

- Land Information Ontario ([http://www.mnr.gov.on.ca/en/Business/LIO/2ColumnSubPage/STEL02\\_167950.html](http://www.mnr.gov.on.ca/en/Business/LIO/2ColumnSubPage/STEL02_167950.html)) is a repository of land and geospatial data related to a number of natural resources and land feature classes.
- The Species at Risk in Ontario List (SARO) List ([http://www.e-laws.gov.on.ca/html/regs/english/elaws\\_regs\\_080230\\_e.htm](http://www.e-laws.gov.on.ca/html/regs/english/elaws_regs_080230_e.htm)) is the primary source of information about the status of species at risk in Ontario.
- Natural Heritage Information Centre (NHIC) is the central provincial database for species at risk occurrence information. New NHIC Website <http://www.biodiversityexplorer.mnr.gov.on.ca/nhicWEB/>
- Ontario Crown Land Use Atlas (<http://crownlanduseatlas.mnr.gov.on.ca/>) Atlas of crown land use policies for a number of large areas and source for determining location of crown land areas
- Ontario Wind Resource Atlas (<http://www.ontariowindatlas.ca/>) Data wit respect to natural heritage and base layer features
- MNR Species at Risk Website (<http://www.mnr.gov.on.ca/en/Business/Species/index.html>) provides additional information on species at risk and the Endangered Species Act, 2007.

In addition to the sources listed above, we also suggest that you consult peer reviewed and published material which may describe any natural features or species which may be present on your site such as;

- Breeding Bird Atlas (<http://www.birdsontario.org/atlas/index.jsp>)
- Aquatic species at risk information on the Conservation Ontario site (<http://conservation-ontario.on.ca/projects/DFO.html>)

Once you have consulted the aforementioned sources, and prepared a map and report outlining the information found through such, our office will be pleased to assist you in refining the information you gathered, or discrepancies found during your search, through a thorough internal file review.

Should you have any questions, or require further clarification, please feel free to contact me directly.

Best wishes

Eric R. Prevost  
Species at Risk Biologist  
Ontario Ministry of Natural Resources  
Peterborough District

[Eric.Prevost@ontario.ca](mailto:Eric.Prevost@ontario.ca)  
Phone: (705) 755-3134

## Zhu, Julie

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**From:** Prevost, Eric (MNR) [eric.prevost@ontario.ca]  
**Sent:** Tuesday, May 25, 2010 4:29 PM  
**To:** Male, Sean  
**Cc:** Richards, Dave (MNR); tom.hockin@northlandpower.ca; Mike.Lord@northlandpower.ca  
**Subject:** Follow Up to Project Description Meeting.  
**Attachments:** Consecon Creek Swamp\_Summary.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Hi Sean,

Thank you again for the opportunity to meet with you and Tom to discuss Northland Power's developments. We look forward to continuing strong communication links as your projects progress towards completion.

Please find attached at wetland evaluation report for the Consecon Creek Swamp. The information was drawn from our files and represents our most current information on the feature.

As a follow up to our discussions today, I wanted to ensure that we provided you with the follow points via email for your records.

The Peterborough District is available to discuss, plans, report and components of your project and provide direction with respect to legislation and technical advise. We look forward to early communication on issues and concerns and are available to assist with the development of your project throughout all of its stages.

We highly recommend a thorough review of those methodologies, manuals and technical guidelines in planning your site investigation works. A site investigation for natural features should occur at appropriate times of year to ensure that those seasonal components are adequately identified and recorded. We suggest that methodologies should be developed in reference to currently accepted peer reviewed literature sources and references.

A Species at Risk (SAR) site assessment\*\* should be conducted at the appropriate time of year to determine if there is potential for any species at risk or their habitat to occur within the proposed project area and to determine if there are any potential negative impacts to SAR or their habitat. If potential negative impacts are identified, appropriate mitigation measures should be proposed in order to avoid adverse effects to SAR. Should mitigation measures not be available, discussions should be initiated to discuss permitting process as outlined by the Endangered Species Act (2007).

\*\* It is recommended that a SAR site assessment be conducted by a qualified professional from April through to September. Currently, the number of site visits will depend on site size and quality of the site, however approximately 3-6 site visits (throughout the months of April to September) are recommended as a minimum.

Again, a site investigation report is a key components to scoping your project description report and subsequent field investigation works. We look forward to the opportunity to review your records review report and provide more formal comments with respect to the information contained in it as well as species at risk occurrences.

Should you have any further questions, or require clarification to the information above, please feel free to contact me directly.

Best wishes,

Eric R. Prevost  
Species at Risk Biologist  
Ontario Ministry of Natural Resources  
Peterborough District

[Eric.Prevost@ontario.ca](mailto:Eric.Prevost@ontario.ca)  
Phone: (705) 755-3134

Ministry of  
Natural Resources

Peterborough District Office  
P.O. Box 7000, 300 Water Street  
1<sup>st</sup> Floor, South Tower  
Peterborough, Ontario K9J 8M5  
Telephone: (705) 755-2001  
Facsimile: (705) 755-3125

Ministère des  
Richesses naturelles

Le bureau du district de Peterborough  
C.P. 7000, 300 rue Water  
Peterborough, Ontario K9J 8M5  
Telephone: (705) 755-2001  
Facsimile: (705) 755-3125



August 16, 2010

Hatch  
Suite 500  
4342 Queen Street  
Niagara Falls, Ontario  
L2E 7J7

Attention : Sean K. Male

Dear Mr. Male,

In accordance with Section 28 (1) and (2) and Section 38 (2) of the Ministry of the Environment's Renewable Energy Approval regulation (O.Reg.359/09), the Ministry of Natural Resources has reviewed the Natural Heritage Assessment for Belleville North Solar Project in Lot 65, Concession V Bay Side submitted by Sean K. Male, dated August 5, 2010.

After reviewing the Natural Heritage Assessment, the Ministry of Natural Resources has determined that the documents submitted with your letter dated August 5, 2010 do not meet those requirements as outlined within Section 28 (1) of O.Reg 359/09. We are unable to offer confirmation at this time and offer the following comments for your consideration.

In terms of the submitted Records Review report;

NHA Section Title	Reference	Comments
REA Legislative Requirements	Section 1.2	Further to the natural features listed in this section, records related to provincial parks and conservation reserves must also be considered to determine if the project location is in or within 120 meters of a provincial park or conservation reserve
Results	Page 8	At this time our office is unaware of the request made on June 8, 2010. Several correspondences with respect to the project, including additional information on wetland evaluations and species at risk were provided via email on May 7th and again on May 25th. Our office has continued to indicate through a variety of email and telephone conversation, and more specifically through our face to face meeting on May 25th our willingness and availability to provide information and data related to the project within our current information request processes.

General		<p>Section 25(3) of Ontario Regulation 359/09 identifies that the report prepared under this section must identify if the project is in a provincial park, conservation reserve or natural feature, or within 50 meters of an ANSI (earth science) or 120 meters of a provincial park, conservation reserve or natural features that is not an ANSI (earth science). The term vicinity, as used throughout the report is misleading and does not appropriately address the requirements for analysis as identified within the aforementioned regulation</p>
Summary of Results	Table 4.1	<p>There is an indication within the report that a number of wildlife species may, do, or are highly likely to occur in or within 120 meters of the project location. However table 4.1 does not indicate that there are records of wildlife habitat features present. For example, page 14, this section indicated the project site in the Napanee Limestone Plain IBA and that Cerulean Warblers could occur within the project location. This statement seems to indicate that there is a record that habitats of species of conservation concerns are present with the project location, this feature is considered wildlife habitat as identified in the Significant Wildlife Habitat Technical Guide, OMNR, 2000. Records indicating that habitat features may be present within the project location, should be identified in terms of whether they are in, or within 120 meters of the project location. In addition, the report should identify how the habitat records were considered in terms of their features, and what evaluation criteria were used to make the determinations and conclusion presented within.</p>

In terms of the submitted Site Investigation report;

Section Title	Reference	Comments
Section 3	page 7	Methodologies described should be consistent with evaluation criteria or procedures established by the Ministry of Natural Resources. Those methodologies further described in Section 3.4 were not described in terms of current evaluation criteria or procedures as outlined in the Significant Wildlife Habitat Technical Guide, the Natural Heritage Reference Manual or other technical guidance documents currently available. The Presence / absence of candidate significant wildlife habitat should be considered (i.e. rock piles as candidate snake hibernacula, wet areas as amphibian breeding areas, etc.). It should be clearly indicated what criteria and/or field sampling was used to determine the presence / absence of all candidate significant wildlife habitat, and other natural heritage features identified within, and 120 meters from the project location.
Section 4		The results presented within the report do not describe each feature in terms of its type, attributes, composition and function. Please further consult current technical guidance and application evaluation criteria and procedures for appropriate direction and methodologies on those to appropriately capture and documents these variables.
Section 4.2.1	page 17	A number of the woodland areas described in the report likely contain wildlife habitat features which may be candidate significant wildlife habitat. In order to determined if wildlife habitat features are present within the project location, or within 120 meters of the project location, suitable evaluation criteria or procedures should be considered. Guidance provided through the Significant Wildlife Habitat Technical Guide and ecological land classification criteria should be employed as part of the site investigation to ensure features are appropriately investigated and documented. Clearly define what criteria were considered in determining whether or not candidate significant wildlife habitats exist or are supported on the subject property.
Section 5	page 18	A number of wildlife species (Habitat of species of conservation concern, Specialized raptor nesting habitat) are documented within the report, however those features are not considered as potential wildlife habitat and are not further discussed in terms of corrections to the records review report or mapped and documented in terms of their location in or within 120 meters of the project location.

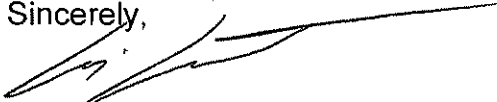
In order to fully and appropriately evaluate the Determination of Significance and Environmental Impact Study Report we ask that you consider the aforementioned comments in further updates of all reports required as part of the Natural Heritage Assessment.



As described in S. 12 (1) of the Renewable Energy Approval Regulation, a letter confirming the natural heritage assessment and any environmental impact studies must be included as part of an application to the Ministry of the Environment for a Renewable Energy Approval under the Renewable Energy Approval regulation (O.Reg.359/09).

Should you have any questions, or require further clarification, please feel free to contact me directly.

Sincerely,



Eric R. Prevost

Renewable Energy Ecologist

Peterborough District

cc. Erin Cotnam, Regional Operations Division, MNR

Thomas Hockin, Development Manager, Renewables, Northland Power Inc.

**Zhu, Julie**

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**From:** Lewis, Sarah (MNR) [Sarah.Lewis@ontario.ca]  
**Sent:** Monday, October 25, 2010 3:02 PM  
**To:** tom.hockin@northlandpower.com; Male, Sean  
**Cc:** Prevost, Eric (MNR); Cotnam, Erin (MNR)  
**Subject:** Northland Belleville Solar North & South  
**Attachments:** FINAL North October 25 Letter Re NHA.pdf; FINAL October 22 Revised NHAs.pdf

Hello Tom and Sean:

Attached please find PDF's of our letters regarding the Natural Heritage Assessments for the Northland's Belleville North and South solar projects. An original for each project site is being mailed to you today. If you have any further questions please feel free to contact either Eric or myself.

Thanks,  
Sarah

**Sarah E. Lewis**  
**Renewable Energy Intern**  
**Planning and Information Management**  
**Ministry of Natural Resources**  
**705-755-3301**

## Zhu, Julie

---

**From:** Lewis, Sarah (MNR) [Sarah.Lewis@ontario.ca]  
**Sent:** Monday, March 21, 2011 11:40 AM  
**To:** Male, Sean; Prevost, Eric (MNR)  
**Cc:** Tom Hockin; 334844  
**Subject:** RE: Belleville N and S Confirmation Letters  
**Attachments:** Confirmation Letter Northland North0001.pdf; Confirmation Letter Northland South0001.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

**Categories:** Northland

Hi Sean

The originals were mailed last week so you should receive them shortly. In the meantime however, I've attached PDF copies of each letter. Please let us know if you haven't received hard copies of the letters by the end of the week.

Thanks,  
Sarah

---

**From:** Male, Sean [<mailto:SMale@Hatch.ca>]  
**Sent:** March 21, 2011 10:24 AM  
**To:** Prevost, Eric (MNR)  
**Cc:** Tom Hockin; 334844; Lewis, Sarah (MNR)  
**Subject:** Belleville N and S Confirmation Letters  
**Importance:** High

Hi Eric,

We are hoping to publish the reports this week, but we haven't received the copy of the confirmation letter yet. I am hoping that it will be in the mail today, but if not, can you send me a fax or PDF copy of the confirmation letter that I can include in the reports? We need to get this in our reports today if we are going to make it to print this week.

Thanks for your help Eric.

-Sean

**Sean K. Male, M.Sc.**

Terrestrial Ecologist/Environmental Assessment & Management



**Tel: +1 905 374 0701 ext. 5280**

Fax: +1 905 374 1157

4342 Queen Street, Suite 500, Niagara Falls, Ontario, Canada, L2E 7J7

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**NOTICE** - This message from Hatch is intended only for the use of the individual or entity to which it is addressed and may contain information which is privileged, confidential or proprietary. Internet communications cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, arrive late or contain viruses. By communicating with us via e-mail, you accept such risks. When addressed to our clients, any information, drawings, opinions or advice (collectively, "information") contained in this e-mail is subject to the terms and conditions expressed in the governing agreements. Where no

such agreement exists, the recipient shall neither rely upon nor disclose to others, such information without our written consent. Unless otherwise agreed, we do not assume any liability with respect to the accuracy or completeness of the information set out in this e-mail. If you have received this message in error, please notify us immediately by return e-mail and destroy and delete the message from your computer.

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# Appendix G

## Correspondence with Municipalities

## Zhu, Julie

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**From:** Male, Sean  
**Sent:** Tuesday, June 01, 2010 4:31 PM  
**To:** jegan@pecounty.on.ca  
**Cc:** Mike Lord; Tom Hockin; Arnold, Kimberley; 334844  
**Subject:** Meeting Request Re Northland Power Solar Developments  
**Attachments:** H334844-0000-07-124-0003 - Belleville South - Rev D.pdf; Belleville South - Figure.pdf; H334844-0000-07-124-0002 - Belleville North - Rev D.pdf; Belleville North - Figure.pdf

Hi Joanne,

As requested, please find attached copies of the Project Description Reports for Northland Power's proposed Belleville North and Belleville South solar projects that are located within Prince Edward County.

As discussed in our phone conversation a few weeks ago, we are hoping to arrange a meeting over the week of June 14<sup>th</sup> to introduce Northland Power and Hatch, and Northland's proposed projects within the county. We would also hope to discuss municipal requirements in respect of the proposed developments.

At this time, we can meet anytime over that week with the exception of Thursday afternoon.

Please let me know if you have any questions and if you can suggest a possible date and time for a meeting that would be greatly appreciated.

Thanks,

Sean

### **Sean K. Male, M.Sc.**

Terrestrial Ecologist, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

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**From:** Prevost, Eric (MNR) [mailto:eric.prevost@ontario.ca]  
**Sent:** Friday, May 07, 2010 4:14 PM  
**To:** Male, Sean  
**Cc:** Richards, Dave (MNR); Prevost, Eric (MNR)  
**Subject:** Preliminary Meeting Re Northland Power Solar Developments

Hi Sean,

Thanks for providing me the opportunity to further discuss your clients project. We appreciate the opportunity for open dialogues with respect to the development of natural heritage assessment methodologies and records reviews to support an application for a renewable energy project approval.

We are currently available to meet with you to discuss you clients projects on may 25<sup>th</sup> at 1:00pm here at our Peterborough office located at 300 Water Street. Please let us know if this time works for you and if there is any specific information you may required prior to our meeting.

The following is the preamble we discussed on the phone this afternoon regarding information availability and requests which may be delivered to the district. Please consider the following as technical advice which may assist you in the development of a records review report and site investigation work.

The Ministry of Natural Resources, in partnership with a number of others, maintains a number of information sources and data exchanges which are available to proponents and the general public. These information sources provide access to geospatial data through a number of free, and pay per use, tools to assist the developers and the general public in supporting their information and development needs. At this time, we are asking clients to first consider publicly available means of accessing information related to the development of their projects or proposals.

Please access the following websites, as they are sources of information which may support the development of reports or background research in support of your project.

- Land Information Ontario ([http://www.mnr.gov.on.ca/en/Business/LIO/2ColumnSubPage/STEL02\\_167950.html](http://www.mnr.gov.on.ca/en/Business/LIO/2ColumnSubPage/STEL02_167950.html)) is a repository of land and geospatial data related to a number of natural resources and land feature classes.
- The Species at Risk in Ontario List (SARO) List ([http://www.elaws.gov.on.ca/html/regs/english/elaws\\_regs\\_080230\\_e.htm](http://www.elaws.gov.on.ca/html/regs/english/elaws_regs_080230_e.htm)) is the primary source of information about the status of species at risk in Ontario.
- Natural Heritage Information Centre (NHIC) is the central provincial database for species at risk occurrence information. New NHIC Website <http://www.biodiversityexplorer.mnr.gov.on.ca/nhicWEB/>
- Ontario Crown Land Use Atlas (<http://crownlanduseatlas.mnr.gov.on.ca/>) Atlas of crown land use policies for a number of large areas and source for determining location of crown land areas
- Ontario Wind Resource Atlas (<http://www.ontariowindatlas.ca/>) Data with respect to natural heritage and base layer features
- MNR Species at Risk Website (<http://www.mnr.gov.on.ca/en/Business/Species/index.html>) provides additional information on species at risk and the Endangered Species Act, 2007.

In addition to the sources listed above, we also suggest that you consult peer reviewed and published material which may describe any natural features or species which may be present on your site such as;

- Breeding Bird Atlas (<http://www.birdsontario.org/atlas/index.jsp>)
- Aquatic species at risk information on the Conservation Ontario site (<http://conservation-ontario.on.ca/projects/DFO.html>)

Once you have consulted the aforementioned sources, and prepared a map and report outlining the information found through such, our office will be pleased to assist you in refining the information you gathered, or discrepancies found during your search, through a thorough internal file review.

Should you have any questions, or require further clarification, please feel free to contact me directly.

Best wishes

Eric R. Prevost  
Species at Risk Biologist  
Ontario Ministry of Natural Resources  
Peterborough District

[Eric.Prevost@ontario.ca](mailto:Eric.Prevost@ontario.ca)  
Phone: (705) 755-3134

**Zhu, Julie**

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**From:** Male, Sean  
**Sent:** Tuesday, June 15, 2010 7:13 PM  
**To:** vleskie@pecounty.on.ca  
**Cc:** jegan@pecounty.on.ca; 334844; tom.hockin@northlandpower.ca; mike.lord@northlandpower.ca; Arnold, Kimberley  
**Subject:** Northland Power's Proposed Belleville North and Belleville South Solar Projects  
**Attachments:** Belleville North Municipal Consultation Form.pdf; Belleville South Municipal Consultation Form.pdf; H334844-0000-07-124-0002 - Belleville North - Rev D.pdf; H334844-0000-07-124-0003 - Belleville South - Rev D.pdf

Dear Ms. Leskie,

Please find attached copies of the Project Description Reports and Municipal Consultation Forms for Northland Power Solar's proposed solar projects within Prince Edward County, known as the Belleville North and Belleville South projects.

As the clerk for the municipality, the municipal consultation forms are being provided to yourself as required by Section 18 of the Renewable Energy Approval Regulation (O.Reg. 359/09) of the Environmental Protection Act. Section 18 stipulates that these forms are to be submitted to the clerk at least 90 days prior to the final Public Information Centre (PIC) for the proposed projects, the date of which has yet to be determined. The supporting documentation to the Municipal Consultation Form, such as the Construction Plan Report, will be provided to yourself at least 60 days prior to this final PIC.

The first portion of the Municipal Consultation Form has been completed by Hatch/Northland Power to provide the general information on the project. The second portion of the Municipal Consultation Form is to be completed by the municipality, and then provided back to Hatch/Northland for review and eventual submission to the Ontario Ministry of the Environment along with the Renewable Energy Approval application.

If you have any questions about the Municipal Consultation Form or the Renewable Energy Approval process, please do not hesitate to contact me. For your information, a representative of Northland Power and I will be meeting with Jo-Anne Egan and other representatives of Prince Edward County tomorrow, June 16th, to discuss these proposed projects.

Sincerely,

Sean

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Sean K. Male, M.Sc.  
REA Coordinator  
Hatch  
905-374-0701 x5280  
[smale@hatch.ca](mailto:smale@hatch.ca)



H334844

July 19, 2010

Clerks Office  
Prince Edward County  
332 Main Street  
Picton, ON K0K 2T0

Dear Clerk

**Subject: Notice of a Proposal and Notice of Public Meeting  
Draft Project Description Report for Public Review  
Northland Power - Belleville North Solar Project**

As you are aware, Northland Power is proposing to construct a solar project within the County of Prince Edward. The proposed project is named the Belleville North Solar Project (the "Project") and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

Northland Power is undertaking a public consultation program in support of the Project, and we are providing the attached documents to commence this consultation. Please find attached a copy of the "Notice of a Proposal by Northland Power to Engage in a Renewable Energy Project and Notice of Public Meeting". This joint Notice will be published in the *County Weekly* on July 22, 2010 and July 29, 2010.

Also, please find enclosed a copy of the Draft "Project Description Report" for the proposed Project. The Project Description Report provides a summary of the proposed Project's design and of the preliminary findings of the environmental and associated studies. In accordance with the Ministry of Environment (MOE)'s requirements, can you please ensure that this copy is available for public review within your local municipal office. If you are unable to make this report available for public review, please notify us, so we can make alternate arrangements.

The Draft Project Description Report and further information about this Project and about Northland Power can also be found online at: [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth).

If you have any questions, please do not hesitate to contact the undersigned at 905-374-5200 or [smale@hatch.ca](mailto:smale@hatch.ca).

Yours truly,



Sean Male, M.Sc.  
REA Coordinator  
SKM:lc



Attachments:

Project Description Report: Belleville North Solar Project  
Notice of a Proposal/Notice of Public Meeting : Belleville North

cc: Mike Lord, Northland Power  
Tom Hockin, Northland Power

# NOTICE OF A PROPOSAL

## By Northland Power to Engage in Two Renewable Energy Projects

# AND NOTICE OF PUBLIC MEETING

**Project Name:** Belleville North Solar Project

**Project Applicant:** Northland Power Solar Belleville North L.P.

**Project Location:** The Project is located on Burr Road, west of the Hamlet of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 22nd of July, 2010**

**Project Name:** Belleville South Solar Project

**Project Applicant:** Northland Power Solar Belleville South L.P.

**Project Location:** The Project is located on Highway 62, southwest of the Hamlet of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 22nd of July, 2010**

Northland Power is planning to engage in two renewable energy Projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in these Projects and the Projects themselves are subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to applications being submitted and assessed for completeness by the Ministry of Environment.

This Public Meeting is being held to provide information on the proposed Projects.

**Meeting Location:**

**Date:** Wednesday, August 25, 2010

**Time:** 6:00 pm to 9:00 pm

**Place:** Allisonville Townhall, 11 Dutch Road, (off County Road 2), Prince Edward County, ON

**Project Description:**

Pursuant to the Act and Regulation, the facilities, in respect of which these Projects are to be engaged in, are Class 3 Solar Facilities. If approved, these facilities would each have a total maximum name plate capacity of 10 MW. The Project locations are shown in the map below.

The Draft Project Description Reports, titled *Project Description Report Northland Power Solar Belleville North* and *Project Description Report Northland Power Solar Belleville South*, describe the Projects as solar electric generating facilities that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. Written copies of the Draft Project Description Reports are available for public inspection at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and at [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth).

**Project Contact and Information:**

To learn more about the project proposals, public meetings or to communicate concerns, please contact:

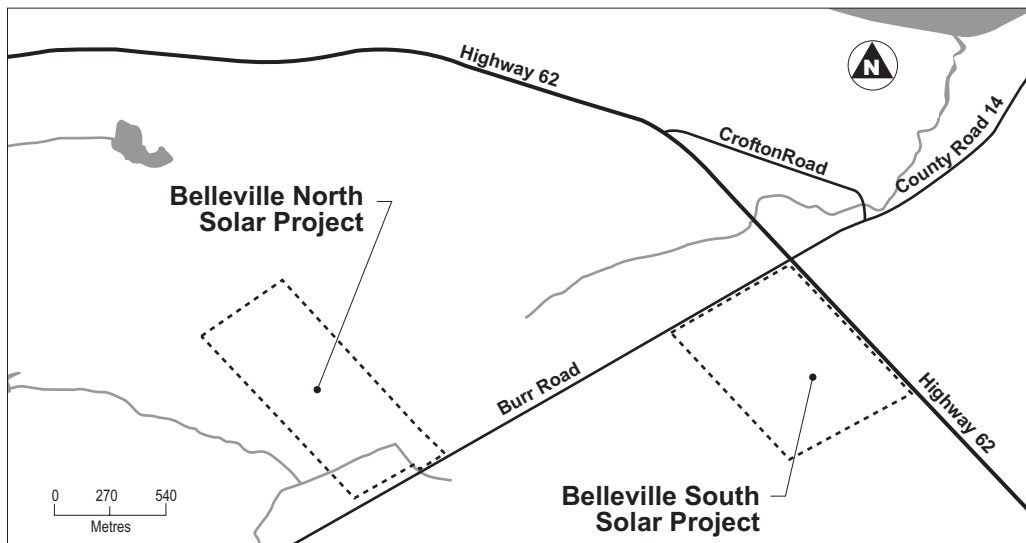
**Sean Male, MSc, Environmental Coordinator**

Hatch Ltd.

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7

Tel: 905-374-0701 ext. 5280 Fax: 905-374-1157

Email: [smale@hatch.ca](mailto:smale@hatch.ca)



H334844

March 22, 2011

Prince Edward County  
Planning Services, Prince Edward County  
208 Main Street,  
Pictou, On  
K0K 2T0

Dear Ms. Egan:

**Subject: Notice of Public Meeting - Supporting Documents for Review - Northland Power - Belleville North Solar Project and Belleville South Solar Project**

As you are aware, Northland Power Solar Belleville North L.P and Northland Power Solar Belleville South L.P are proposing to construct two solar projects within the County of Prince Edward. The proposed projects are named the Belleville North Solar Project and Belleville South Solar Project, respectively, and will each have an installed nominal capacity of 10 MW. The Projects require Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

The second and final Public Meeting for the Projects is occurring from 6:00pm to 8:00pm on Wednesday May 25, 2011 at the Allisonville Townhall, 11 Dutch Road (off County Road 2), Prince Edward County, Ontario. A Notice will be posted in *The County Weekly* on Thursday March 24, 2011 and Thursday April 28, 2011. The Notice also indicates that the supporting documents required to be prepared under the REA process will be released for a 60-day review period, commencing on Thursday March 24, 2011.

Enclosed in this package are copies of the supporting documents required as per Section 16 (1) of Ontario Regulation 359/09 for the Municipality's review. The supporting documents consist of the Natural Heritage Assessment Reports, Water Body Assessment Reports, Construction Plan Report, Design and Operation Report, Decommissioning Plan Report, Noise Assessment Study and Stage 1 and 2 Archaeological Assessment Report. We request that you provide any comments you may have and provide the completed Municipal Consultation Form, previously provided, by the end of the 60-day review period.

Additional copies of the supporting documents are available on line at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth). If you have any questions, please do not hesitate to contact the undersigned at 905-374-5200 or [smale@hatch.ca](mailto:smale@hatch.ca).

Yours truly,



Sean Male, M.Sc.  
REA Coordinator  
SKM:mg

Attachments:

Notice of Public Meeting – Belleville North Solar Project and Belleville South Solar Project

Draft Project Description Report – Belleville North Solar Project  
Draft Construction Plan Report – Belleville North Solar Project  
Draft Design and Operations Report – Belleville North Solar Project  
Draft Decommissioning Plan Report – Belleville North Solar Project  
Stage 1 and 2 Archaeological Assessment Report – Belleville North Solar Project  
Draft Natural Heritage Assessment Reports – Belleville North Solar Project  
Draft Water Body Assessment Reports – Belleville North Solar Project  
Draft Noise Assessment Report – Belleville North Solar Project  
Draft Executive Summary – Belleville North Solar Project

Draft Project Description Report – Belleville South Solar Project  
Draft Construction Plan Report – Belleville South Solar Project  
Draft Design and Operations Report – Belleville South Solar Project  
Draft Decommissioning Plan Report – Belleville South Solar Project  
Stage 1 and 2 Archaeological Assessment Report – Belleville South Solar Project  
Draft Natural Heritage Assessment Reports – Belleville South Solar Project  
Draft Water Body Assessment Reports – Belleville South Solar Project  
Draft Noise Assessment Report – Belleville South Solar Project  
Draft Executive Summary – Belleville South Solar Project

cc: Mike Lord, Northland Power  
Tom Hockin, Northland Power

H334844

March 22, 2011

Prince Edward County  
Public Library, Prince Edward County  
208 Main Street,  
Picton, On  
K0K 2T0

Dear Ms. Sweet:

**Subject: Notice of Public Meeting - Supporting Documents for Review - Northland Power - Belleville North Solar Project and Belleville South Solar Project**


Northland Power Solar Belleville North L.P and Northland Power Solar Belleville South L.P are proposing to construct two solar projects within the County of Prince Edward. The proposed projects are named the Belleville North Solar Project and Belleville South Solar Project, respectively, and will each have an installed nominal capacity of 10 MW. The Projects require Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

Enclosed in this package are copies of the supporting documents required as per Section 16 (1) of Ontario Regulation 359/09 for the public's review. The supporting documents consist of the Project Description Report, Natural Heritage Assessment Reports, Water Body Assessment Reports, Construction Plan Report, Design and Operation Report, Decommissioning Plan Report, Noise Assessment Study and Stage 1 and 2 Archaeological Assessment Report. We request that these copies be made available at the Ameliasburg Branch, Al Purdy Library by Thursday, March 24, 2011. If this is not possible please contact the undersigned.

Also enclosed is a Notice of final Public Meeting for the Projects. If it is possible, please post this notice within the library.

Additional copies of the supporting documents are available on line at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth). If you have any questions, please do not hesitate to contact the undersigned at 905-374-5200 or [smale@hatch.ca](mailto:smale@hatch.ca).

Yours truly,



Sean Male, M.Sc.  
REA Coordinator  
SKM:mg

Attachments:

Notice of Public Meeting – Belleville North Solar Project and Belleville South Solar Project

Draft Project Description Report – Belleville North Solar Project  
Draft Construction Plan Report – Belleville North Solar Project  
Draft Design and Operations Report – Belleville North Solar Project  
Draft Decommissioning Plan Report – Belleville North Solar Project  
Stage 1 and 2 Archaeological Assessment Report – Belleville North Solar Project  
Draft Natural Heritage Assessment Reports – Belleville North Solar Project  
Draft Water Body Assessment Reports – Belleville North Solar Project  
Draft Noise Assessment Report – Belleville North Solar Project  
Draft Executive Summary – Belleville North Solar Project

Draft Project Description Report – Belleville South Solar Project  
Draft Construction Plan Report – Belleville South Solar Project  
Draft Design and Operations Report – Belleville South Solar Project  
Draft Decommissioning Plan Report – Belleville South Solar Project  
Stage 1 and 2 Archaeological Assessment Report – Belleville South Solar Project  
Draft Natural Heritage Assessment Reports – Belleville South Solar Project  
Draft Water Body Assessment Reports – Belleville South Solar Project  
Draft Noise Assessment Report – Belleville South Solar Project  
Draft Executive Summary – Belleville South Solar Project

cc: Mike Lord, Northland Power  
Tom Hockin, Northland Power

# NOTICE OF FINAL PUBLIC MEETING

## to be held by Northland Power Regarding a Proposal to Engage in Two Renewable Energy Projects

**Project Name:** Belleville North Solar Project

**Project Applicant:** Northland Power Solar Belleville North L.P.

**Project Location:** The Project is located on Burr Road, west of the Community of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 24th of March, 2011**

**Project Name:** Belleville South Solar Project

**Project Applicant:** Northland Power Solar Belleville South L.P.

**Project Location:** The Project is located on Highway 62, southwest of the Community of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 24th of March, 2011**

Northland Power is planning to engage in two renewable energy Projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in the projects and the projects themselves are subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

This Public Meeting is being held to provide information on the proposed Projects. The meeting will be an open house format.

### Meeting Location:

**Date:** Wednesday, May 25, 2011

**Time:** 6:00 pm to 8:00 pm

**Place:** Allisonville Townhall, 11 Dutch Road (off County Road 2), Prince Edward County, ON

### Project Description:

Pursuant to the Act and Regulation, the facilities, in respect of which these projects are to be engaged in, are Class 3 Solar Facilities. If approved, these facilities would each have a total maximum name plate capacity of 10 MW. The project location is described in the map below.

The Draft Project Description Reports, titled *Project Description Report Northland Power Solar Belleville North* and *Project Description Report Northland Power Solar Belleville South*, describe the Projects as solar electric generating facilities that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. Written copies of the Draft Project Description Reports were made available for public inspection on July 22, 2010 at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and at [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth), and at local municipal offices. Further, the applicant has prepared supporting documents as per Ontario Regulation 359/09.

Written copies of the draft supporting documents will also be made available for the public inspection on March 24, 2011 at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth), and at Ameliasburg Branch, Al Purdy Library at 809 Whitney Road, Ameliasburg, Ontario.

### Project Contact and Information:

To learn more about the project proposals, public meetings or to communicate concerns, please contact:

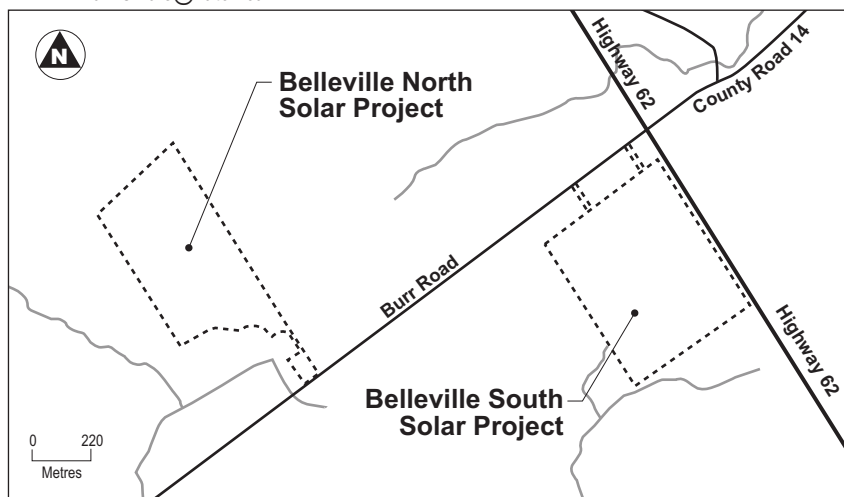
**Sean Male**, MSc, Environmental Coordinator

Hatch Ltd.

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7

Tel: 905-374-0701 ext. 5280 Fax: 905-374-1157

Email: [smale@hatch.ca](mailto:smale@hatch.ca)





**Zhu, Julie**

---

**From:** Male, Sean  
**Sent:** Friday, April 15, 2011 9:58 AM  
**To:** dccoper@pecounty.on.ca  
**Cc:** Jo-Anne Egan; Tom Hockin; 334844  
**Subject:** Northland Power - Belleville North Solar Project and Belleville South Solar Project - Municipal Consultation Forms  
**Attachments:** Belleville North Municipal Consultation Form.pdf; Belleville South Municipal Consultation Form.pdf

Hi Diana,

As requested, please find attached copies of the completed Municipal Consultation Forms for Northland Power's proposed Belleville North and Belleville South Solar Projects. If possible, we would request that the completed forms be provided by May 25<sup>th</sup>, the date of our Final Public Meeting for the Project.

If you have any questions as you complete the form, please do not hesitate to contact me.

Thanks,

Sean

**Sean K. Male, M.Sc.**

Terrestrial Ecologist/Environmental Assessment & Management



Tel: +1 905 374 0701 ext. 5280

Fax: +1 905 374 1157

4342 Queen Street, Suite 500, Niagara Falls, Ontario, Canada, L2E 7J7



## **Committee of Whole May 12, 2011**

### **Northland Power Inc. Belleville North and South Solar Projects Municipal Consultation Comments**

#### **Recommendation:**

**The Commissioner of Planning, on behalf of the Municipal Renewable Energy Team, recommends:**

**THAT the report of the Manager of Planning dated May 12, 2011 regarding the Northland Power Inc. Belleville North and South Solar Projects be received.**

**THAT the comments in Attachment #4 to the May 12, 2011 report of the Manager of Planning be forwarded to the Ontario Ministry of the Environment and to Northland Power Inc. as the Municipal comments in regard to the Northland Power Inc. Belleville North and South Solar projects.**

**THAT the Ontario Ministry of the Environment is hereby requested to ensure that the matters identified in Attachment #4 to the May 12, 2011 report of the Manager of Planning are addressed prior to, or as a condition of, any Renewal Energy Approval for the Northland Power Inc. Belleville North and South Solar Projects.**

#### **Background/Purpose:**

The purpose of this report is to identify for Council's consideration those matters recommended to the Northland Power Inc. Belleville North and South Solar Projects that have the potential to effect the operations, infrastructure and services provided by the Corporation of the County of Prince Edward.

In March 2009 Council established a cross-departmental Renewable Energy Team comprised of the CAO and staff from Planning Services, Public Works and Corporate Services & Finance to act as an internal staff resource to Council and all municipal departments in the ongoing monitoring and reporting on renewable energy projects affecting the Municipality.

The new Ontario Green Energy and Green Economy Act was passed in May 2009 and decisions regarding renewable energy projects now rest with the Province of Ontario. In September 2009 Regulations under the new Act were prescribed, beginning in October 2009 applications for projects under the new Ontario Feed In Tariff (FIT) Program were received, and in March 2010 the first set of projects to be awarded FIT contracts were announced. Both Northland Power projects were offered FIT contracts on April 8, 2010. A map showing the location of the North and South Solar projects is included as Attachment #1 to this report.

The new Provincial approval process for renewable energy projects includes a requirement for both 'municipal consultation' and 'public consultation' in the initial stages of the approval process. The purpose of the municipal consultation is for "... consulting on matters relating to municipal or local infrastructure and servicing... ." A copy of the draft Municipal Consultation form provided to the Municipality is included as Attachment #2 to this report.

The Renewable Energy Approval (REA) Regulation requires the project proponent to provide the municipality all draft reports at least 90 days before the final public meeting. The Planning Department received the Notice of Public Meeting scheduled on May 25, 2011 along with the various project reports on March 28, 2011 which is less than the required 90 days review period.

Comments received by the Province will be considered as part of the Renewable Energy Approval process.

The following project information has been submitted by Hatch Limited on behalf of Northland Power Inc.:

North and South Solar Projects (10 reports) :

- Draft Project Description
- Draft Construction Plan Report
- Draft Design and Operations Report
- Draft Decommissioning Report
- Draft Noise Assessment Report
- Draft Stage 1 and 2 Archaeological Assessment Report
- Draft Natural Heritage Evaluation of Significance Report
- Draft Water Body Records Review Report
- Draft Water Body Site Investigation Report
- Draft Waterbodies Environmental Impact Study

Belleville North Solar Project only (3 additional reports):

- Draft Natural Heritage Records Review
- Draft Natural Heritage Site Investigation Report
- Draft Natural Heritage Environmental Impact Study

The name and purpose of each report as summarized in the Executive Summary for both projects is provided as Attachment# 3. The project information noted above has been reviewed by the Municipal Renewable Energy Team and is available for viewing in the Planning Department office.

### **Analysis/Comment:**

Northland Power Inc. is proposing to develop two 10-MW solar photovoltaic projects located in close proximity to each other on two separate privately owned land parcels located south of the Mountain View Airport. The company has entered into a long term lease agreement with the landowners. The North Solar Project is located on a 40 hectare (99 acre) parcel in Part of Lot 61, Conc.2, B.F. at the south-west corner of the intersection of Burr Road and Highway No. 62 in the Ward of Sophiasburgh. The South Solar Project is located on a 40 hectare (99 acre) parcel in Part of Lot 65, Conc. 2, B.F. in the Ward of Hillier.

As proposed, each project will be a Class 3 solar facility consisting of:

- between 45,000 to 55,000 ground mounted solar panels on fixed steel supports with an installed nameplate capacity of up to 10 MW
- approximately 20 inverters will be installed
- one on-site substation fenced and signed for safety and security
- on-site access roads for on-going maintenance
- electrical equipment and systems required for interconnection to the Hydro One grid. The connection point for both projects will be on Burr Road, immediately in front of the north project location. Each project will connect to a distribution line that Hydro One will extend to both sites along municipal road right-of-ways using new or existing wooden poles.
- No part of the project will extend beyond the property line.

Construction for both projects is planned for May-November 2012. The construction workforce is estimated to be 50 workers on average,

recruited locally as much as possible, for approximately 6 to 8 months. Project commissioning is anticipated in October 2012.

The Draft Project Descriptions indicate that:

- the projects will be gated and fenced with additional security measures such as security cameras and motion sensor flood lighting installed as deemed necessary by Northland Power Inc. The fence design includes a chain-link fence about 2 metres high with barbed wire on top of the fence. New access roads on private land will be required to allow transport of equipment from the municipal road to the project site. Ditches and culverts will be constructed, if necessary to maintain site drainage. Erosion and sedimentation control measures will be installed if needed;
- after installation of the panels, the entire project areas will be covered with suitable, locally grown, low maintenance vegetation;
- an increase in construction related traffic volumes and equipment delivery to the project locations will likely result in local area traffic and temporary disruption along routes used, and/or may cause damage to municipal roadways;
- proposed mitigation measures and monitoring to reduce any negative environmental impact especially on nearby waterbodies and lands within 30 metres of waterbodies during construction, operations and decommissioning phases
- the following municipal permit/authorization is identified
  - Building Permit (compliance with Ontario Building Code)

In addition to those measures identified in the various Draft Reports that accompanied the Municipal Consultation Form, those matters outlined in Attachment #4 to this report have been identified by the Municipality as matters that need to be addressed prior to, or as a condition of, any Renewal Energy Approval for the Northland Power Belleville North and South Solar Projects. Matters # 9 and # 12 were initially identified by Council in its review of the Gilead Ostrander Point Windfarm Project in South Marysburgh.

It is the intent of the Economic Development staff to develop a working relationship with Northland Power Inc. representatives to:

- promote local content in the pre-construction, construction and post construction aspects of both projects including use of local materials and local job creation, and

- to discuss opportunities to work with Northland Power Inc. in the development of community based educational/tourism projects related to these renewable energy projects.

### **Strategic Plan Implications:**

The recommendations of this report will contribute the following Strategic Plan objectives:

- Manage growth and its impacts

### **Financial Implications:**

There will be an increase to the local tax base since the value of the land and ancillary buildings will be taxed at the industrial tax rate.

The Draft Reports that accompanied the Municipal Consultation Form indicate that where practical, the use and procurement of local goods and services will be encouraged.

The internal and external costs for the review of this, and other projects, is not part of the approved 2011 municipal budget. There will continue to be internal and external costs incurred by the Municipality associated with this, and other projects, throughout the respective review, approval and construction phases.

### **Policy Implications:**

None identified.

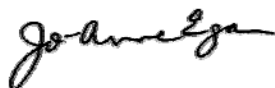
### **Summary:**

It is recommended that the matters identified in this report be forwarded to the Ontario Ministry of the Environment and to Northland Power Inc. as the municipal comments on the Northland Power Belleville North and South Solar projects.

### **Attachments:**

1. Belleville North and South Solar Projects location map
2. Provincial Municipal Consultation forms
3. Executive Summaries Report Name and Purpose
4. Municipal matters to be addressed

Submitted by:



Manager of Planning, May 6, 2011

A handwritten signature in black ink, consisting of several overlapping loops and strokes, positioned above the text 'Reviewed by:'.

Reviewed by:

Planning Commissioner, May 6, 2011

CAO Approval:

Northland Power Inc.  
Belleville North Solar Project  
Belleville South Solar Project  
Municipal Consultation

CORPORATION OF THE COUNTY OF PRINCE EDWARD

MATTERS TO BE ADDRESSED

Prior to, or as a condition of, any Renewable Energy Approval for the Northland Power Inc. Belleville North and South Solar Projects, the project proponent (Northland Power Inc.) must address to the satisfaction of the County of Prince Edward, the following matters:

Belleville North Solar Project:

1. Identify the following additional Municipal approvals, permits and authorizations:
  - a. Overweight/oversize load permits. An agreement between the Municipality and the proponent may be required to describe the approved route, terms of travel and the nature of the repairs etc. Heavy equipment movements on Burr Road should be scheduled to avoid the reduced load period. Exemptions to travel during reduced load periods would not likely be granted for these activities.
  - b. Entrance location and construction permit.
  - c. Approval of the County for any pole alignment and works within the County road allowance.
2. Require a pre-development agreement between the Municipality and the Proponent for the recovery of municipal costs associated with the project review, approval, construction, operation and decommissioning.
3. Require a Traffic Management Plan to be developed by the Proponent in collaboration with the Public Works Department, for review and approval by the Commissioner of Public Works.
4. Require an agreement between the Municipality and the Proponent for the identification of haul roads, the determination of their pre-construction condition, all widening and strengthening requirements, development of an approvals process for any municipal road improvements, assessment and allocation of damages to the road network, responsibility for repairing damages and the deposit with the Municipality of sufficient security to cover the cost of any damages.



5. Require a Stormwater Management Plan including any stormwater attenuation facilities to manage soil drainage and stormwater on site to mitigate off-site run-off impacts on downstream properties and environmental areas including local wetlands for review and approval by the Public Works Commissioner.
6. Require a Grading and Soil Containment and Contingency Plan to be developed in collaboration with the Commissioner of Public Works to manage the movement of soil during all pre-construction and construction phases of the project.
7. Require a Driver Reflectivity Analysis to determine the impact, if any, of solar glare on passing drivers and appropriate mitigation measures.
8. Require an Emergency Response Plan to be developed by the Proponent in collaboration with the Fire Chief that takes into consideration such matters as the volunteer base of the Fire Department with respect to any medical first response or fire call, especially during the construction phase; provides a detailed a detailed protocol to streamline Municipal personnel action whenever they are required on site; provides key 24-7 contact information to be utilized during any mishap; and actively maintain the contact information beginning at the start of the construction phase and continued for the duration of the project.
9. That the Province develop a regulation requiring annual payment to the municipality from renewable energy projects in the amount of \$7,500. per megawatt plus profit sharing based upon 4 % of output plus annual cost of living, exclusive of regular taxes and recovery of costs.
10. That the Province require the decommissioning plan to also address and include plans for repowering to provide ongoing operations of the subject site.
11. That the Province create a rehabilitation security fund similar to the Aggregate Resources Act to recover the decommissioning of the site should the owner be delinquent.
12. That the Province require identification of and mitigation measures to address the impact on the County's economy, particularly tourism-dependent business sector ( e.g. retail, hospitality) during the construction phase of May to October, 2012.
13. Encourage the development of a year-round renewable energy interpretative/education centre at a location mutually agreed upon by all parties.

**From:** Tom Hockin [<mailto:Tom.Hockin@northlandpower.ca>]  
**Sent:** Monday, June 06, 2011 10:11 AM  
**To:** [pmertens@pecounty.on.ca](mailto:pmertens@pecounty.on.ca)  
**Cc:** Male, Sean; Mike Lord; Diana Cooper  
**Subject:** Belleville North and South Solar projects

Dear Mayor Mertens,

Thank you for your message and for your interest in Northland Power's two solar projects in Prince Edward County. We are excited about these projects and recognize their potential for local job creation. We have had some local interactions that I thought might be helpful to update you on.

On two occasions this past month, I have spoken with a local manufacturer named Scott Phipps (CD Energy) to better understand his plans for panel manufacture and other offerings. I explained to Scott that Northland has been engaged in an exhaustive, year long process to procure over 150 MWs of panels for its solar projects, that will meet the Ontario Power Authority's Domestic Content requirements. A key aspect in our search has been the "bankability" of the panels (their ability to attract debt financing), which has led us to recognized Tier 1 suppliers with significant experience in panel manufacturing and a strong financial covenant to back their warranties. We have also looked to suppliers that can supply our entire portfolio's capacity across the province. Though no final supplier has been selected from our short list, we are very far along in our negotiations. In speaking with Scott, he explained that his manufacturing plans go beyond just solar panels and we've agreed to continue to discuss areas of opportunity.

I also spoke, this past Friday, with Diana Cooper from Prince Edward County Economic Development and a member of the county's Renewable Energy Team. We discussed different areas where the projects could support local job creation. Over the coming weeks, we plan to schedule a meeting to discuss in greater detail how the projects are developed, constructed and operated, and how the county can best align itself to supply the necessary skills/jobs to the projects.

We certainly welcome your thoughts and involvement as we continue to develop these projects and are pleased to provide you, if you wish, with relevant updates.

Regards,

Tom Hockin

**Tom Hockin**  
Development Manager - Renewables  
Office: 647.288.1046  
Mobile: 416.305.1235



From: Mayor Peter Mertens [<mailto:pmertens@pecounty.on.ca>]  
Sent: Tuesday, May 31, 2011 1:39 PM  
To: Male, Sean  
Subject: Belleville North and South Solar projects

Dear Sir, recently at the Northland Power public open house representative of Northland responded to a question dealing with the purchase of solar panels by saying that no decision has been made as to the supplier of solar panels. In view of the fact that no decision has been made and that we have a manufacturing facility for panel opening in Prince Edward County and that in our comments and submission we strongly promote the use of local content in materials and creation of local job opportunities both short term and long term can you advise if these options are being considered?

Regards,

MAYOR PETER MERTENS

County of Prince Edward

332 Main Street

Picton, ON K0K 2T0

T 613.476.2148, x230

F 613.476.5727

E [pmertens@pecounty.on.ca](mailto:pmertens@pecounty.on.ca)

[www.pecounty.on.ca](http://www.pecounty.on.ca)

This communication is intended for the addressee indicated above. The information contained in the email will be used for municipal purposes and will be managed in accordance with The Municipal Act and The Municipal Freedom of Information and Protection of Privacy Act. If you have received this in error, please notify us immediately.

**Appendix H**  
**List of Aboriginal Communities**  
**from Ministry of the Environment**

**Ministry of the Environment**

Environmental Assessment and Approvals Branch

2 St. Clair Avenue West  
Floor 12A  
Toronto ON M4V 1L5  
Tel.: 416 314-8001  
Fax: 416 314-8452

**Ministère de l'Environnement**

Direction des évaluations et des autorisations environnementales

2, avenue St. Clair Ouest  
Étage 12A  
Toronto ON M4V 1L5  
Tél. : 416 314-8001  
Télééc. : 416 314-8452



July 9, 2010

MOE File #: ER-10-SF-0042

Mr. Michael Lord  
Northland Power Inc.  
30 St. Clair Avenue West, 17<sup>th</sup> Floor  
Toronto ON M4V 3A1

Dear Mr. Lord:

**RE: Director's Aboriginal Communities List – Belleville Solar Projects North and South**

The Ontario Ministry of Environment has reviewed the information provided in the draft of the Project Description Report (PDR) received for the Belleville Solar Projects North and South. We have reviewed the anticipated negative environmental effects of the project (as described in the PDR) relative to our current understanding of the interests of aboriginal communities in the area.

In accordance with section 14 of the *Renewable Energy Approval Regulation* (O.Reg. 359/09), please find below the list of Aboriginal Communities that:

- i) have or may have constitutionally protected aboriginal or treaty rights that may be adversely impacted by the project; or*
- ii) otherwise may be interested in any negative environmental effects of the project. (O. Reg 359/09 s14(b)(i) and (ii))*

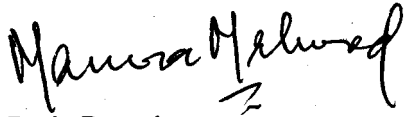
<b>Aboriginal Community</b>
<b>Common Name:</b> <b>Reserve Name:</b> <b>Contact Information:</b>
Alderville First Nation Mississaugas of Alderville Alderville First Nation PO Box 46 Roseneath ON K0K 2X0 Phone (905) 352-2011 Fax (905) 352-3242
Hiawatha First Nation Mississaugas of Rice Lake Hiawatha First Nation 36 RR 2 Keene ON K0L 2G0 Phone (705) 295-4421 Fax (705) 295-4424

Curve Lake First Nation Mississaugas of Mud Lake Curve Lake First Nation 35 and 35A General Delivery Curve Lake ON K0L 1R0 Phone (705) 657-8045 Fax (705) 657-8708
Kawartha Nishnawbe Kawartha Nishnawbe First Nation PO Box 1432 Lakefield ON K0L 2H0
Mohawks of the Bay of Quinte Tyendinaga Mohawks Tyendinaga Mohawk Territory RR 1 Deseronto ON K0K 1X0 Phone (613) 396-3424 Fax (613) 396-3627
Northumberland Métis Council 140 Elder Road RR 4 Roseneath ON K0K 2X0 Phone (905) 352-3124
Métis Nation of Ontario Consultation Unit 500 Old St. Patrick St, Unit 3 Ottawa ON K1N 9G4

**NOTE:** None of the foregoing should be taken to imply approval of this project or the contents of the draft of the *Project Description Report*. This response only addresses the requirement of the Director to provide a list of aboriginal communities to you as required in s. 14 of *O. Reg. 359/09*. You should also be aware that information upon which the above comments are based is subject to change. Aboriginal communities can make assertions at any time, and other developments, for example the discovery of Aboriginal archaeological resources, can occur that might require additional communities to be notified. Should this happen, the ministry will contact you. Similarly, if you receive any feedback from any aboriginal communities not included in this list as part of your public consultation, we would appreciate being notified.

Please contact Narren Santos at (416) 314-8442 should you have any questions or require additional information.

Sincerely,



for

Doris Dumais  
Director  
Environmental Assessment Approvals Branch  
Ministry of Environment

cc: Mansoor Mahmood, Renewable Energy Team, Ministry of the Environment  
Joe de Laronde, Aboriginal Affairs Branch, Ministry of the Environment

# Appendix I

## Letters to Aboriginal Communities



H334844

July 20, 2010

«Name»  
«Address\_1»  
«Address\_2»  
«City\_and\_Province» «Postal\_Code»

Dear «Name»:

**Subject: Notice of Proposal and Notice of Public Meeting - Northland Power - Belleville North Solar Project**

Northland Power is proposing to construct a solar project in Prince Edward County, just west of the community of Crofton. The proposed project is named the Belleville North Solar Project (the "Project") and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

As part of the REA process (Section 14 (b) O. Reg. 359/09), the Ministry of the Environment (MOE) has provided Northland Power with a list of Aboriginal communities who, in the opinion of the MOE Director:

- 1) "have or may have constitutionally protected aboriginal or treaty rights that may be adversely impacted by the project, or
- 2) otherwise may be interested in any negative environmental effects of the project".

Your community was included in the MOE's list and as such you will be included in our Project's consultation program and you will be provided with the reports and summaries required by Section 17 of Ontario Reg. 359/09, as soon as they are available.

Northland Power is commencing its public consultation program in support of the Project and we would like to invite you to the upcoming Public Consultation Meeting. Please find attached a "Notice of a Proposal to Engage in a Renewable Energy Project and Notice of Public Meeting", which details the time and date of the planned meeting. This joint Notice will also be published in the *County Weekly* on July 22, 2010 and July 29, 2010. The Public Consultation Meeting will provide all stakeholders with an opportunity to learn more about our Project proposal and about Northland Power.

In accordance with Section 16 (3) of Ontario Reg. 359/09, a draft "Project Description Report" and associated information pertaining to this Project and about Northland Power can be found online at: [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth).

We respectfully request that your community provide (in writing) to us any information available that in your opinion, should be considered when preparing the reports required for the REA process, and in particular, any information the community may have regarding adverse impacts that this Project may have on constitutionally protected aboriginal or treaty rights, as well as any measures for mitigating those adverse impacts.

H334844-0000-07-XXX-XXXX

Date

Correspondence should be directed to:

Sean Male, M.Sc., REA Coordinator  
Hatch Ltd.  
4342 Queen St., Suite 500  
Niagara Falls, ON, L2E 7J7  
Phone: 905-374-0701 Ext 5280  
Fax: 905-374-1157  
Email: [smale@hatch.ca](mailto:smale@hatch.ca)

We thank you for your interest in this Project and look forward to your participation.

Yours truly,

A handwritten signature in black ink, appearing to be "S. Male", written over a light blue horizontal line.

Kimberley Arnold, B.Sc., M.E.S.  
Manager, Environmental Services, Renewable Power  
kaa: srg

Attachment: Notice of a Proposal/Notice of Public Meeting: Belleville North

cc: Mike Lord, Northland Power  
Tom Hockin, Northland Power

H334844

July 19, 2010

«Name»  
«Address\_1»  
«Address\_2»  
«City\_and\_Province», «Postal\_Code»

Dear Chief and Council,

**Subject: Notice of Proposal and Notice of Public Meeting - Northland Power - Belleville North Solar Project**

Northland Power is proposing to construct a solar project in Prince Edward County, just west of the community of Crofton. The proposed project is named the Belleville North Solar Energy Project (the "Project") and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

As part of the REA process (Section 14 (b) O. Reg. 359/09), the Ministry of the Environment (MOE) has provided Northland Power with a list of Aboriginal communities who, in the opinion of the MOE Director:

- 1) "have or may have constitutionally protected aboriginal or treaty rights that may be adversely impacted by the project, or
- 2) otherwise may be interested in any negative environmental effects of the project".

Your community was included in the MOE's list and as such you will be included in our Project's consultation program and you will be provided with the reports and summaries required by Section 17 of Ontario Reg. 359/09, as soon as they are available.

Northland Power is commencing its public consultation program in support of the Project and we would like to invite you to the upcoming Public Consultation Meeting. Please find attached a "Notice of a Proposal to Engage in a Renewable Energy Project and Notice of Public Meeting", which details the time and date of the planned meeting. This joint Notice will also be published in the *County Weekly* on July 22, 2010 and July 29, 2010. The Public Consultation Meeting will provide all stakeholders with an opportunity to learn more about our Project proposal and about Northland Power. For future notices, we would be interested in advertising in any community publication, if you have one available. Please let us know if you have a community publication.

In accordance with Section 16 (3) of Ontario Reg. 359/09, a draft "Project Description Report" and associated information pertaining to this Project and about Northland Power can be found online at: [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth).

We respectfully request that your community provide (in writing) to us any information available that in your opinion, should be considered when preparing the reports required for the REA process, and in particular, any information the community may have regarding adverse impacts that this Project may have on

H334844-0000-07-XXX-XXXX

constitutionally protected aboriginal or treaty rights, as well as any measures for mitigating those adverse impacts.

Correspondence should be directed to:

Sean Male, M.Sc., REA Coordinator  
Hatch Ltd.  
4342 Queen St., Suite 500  
Niagara Falls, ON, L2E 7J7  
Phone: 905-374-0701 Ext 5280  
Fax: 905-374-1157  
Email: [smale@hatch.ca](mailto:smale@hatch.ca)

We thank you for your interest in this Project and look forward to your participation.

Yours truly,



Kimberley Arnold, B.Sc., M.E.S.  
Manager, Environmental Services, Renewable Power  
kaa: srg

Attachment: Notice of a Proposal/Notice of Public Meeting: Belleville North

cc: Mike Lord, Northland Power  
Tom Hockin, Northland Power

# NOTICE OF A PROPOSAL

## By Northland Power to Engage in Two Renewable Energy Projects

# AND NOTICE OF PUBLIC MEETING

**Project Name:** Belleville North Solar Project

**Project Applicant:** Northland Power Solar Belleville North L.P.

**Project Location:** The Project is located on Burr Road, west of the Hamlet of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 22nd of July, 2010**

**Project Name:** Belleville South Solar Project

**Project Applicant:** Northland Power Solar Belleville South L.P.

**Project Location:** The Project is located on Highway 62, southwest of the Hamlet of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 22nd of July, 2010**

Northland Power is planning to engage in two renewable energy Projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in these Projects and the Projects themselves are subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to applications being submitted and assessed for completeness by the Ministry of Environment.

This Public Meeting is being held to provide information on the proposed Projects.

**Meeting Location:**

**Date:** Wednesday, August 25, 2010

**Time:** 6:00 pm to 9:00 pm

**Place:** Allisonville Townhall, 11 Dutch Road, (off County Road 2), Prince Edward County, ON

**Project Description:**

Pursuant to the Act and Regulation, the facilities, in respect of which these Projects are to be engaged in, are Class 3 Solar Facilities. If approved, these facilities would each have a total maximum name plate capacity of 10 MW. The Project locations are shown in the map below.

The Draft Project Description Reports, titled *Project Description Report Northland Power Solar Belleville North* and *Project Description Report Northland Power Solar Belleville South*, describe the Projects as solar electric generating facilities that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. Written copies of the Draft Project Description Reports are available for public inspection at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and at [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth).

**Project Contact and Information:**

To learn more about the project proposals, public meetings or to communicate concerns, please contact:

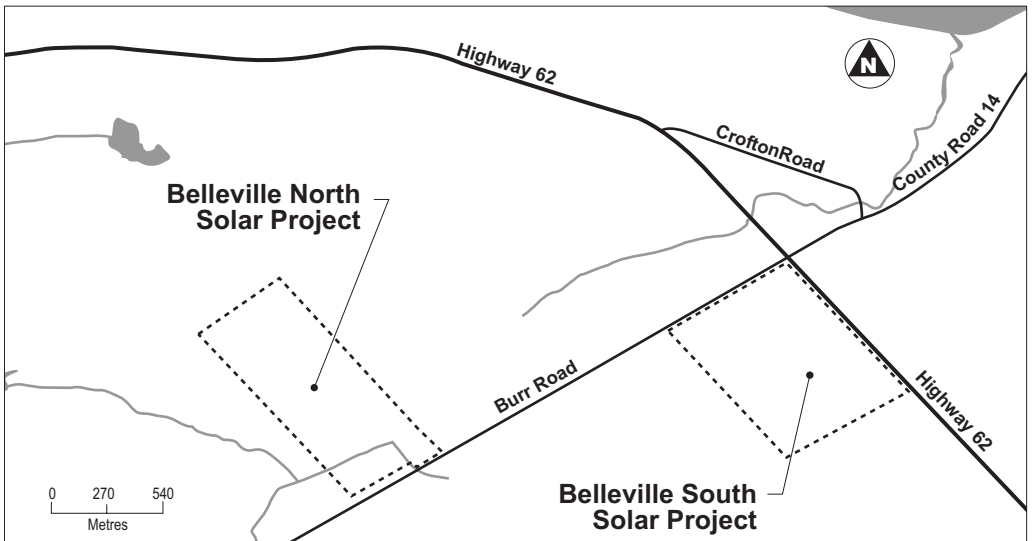
**Sean Male, MSc, Environmental Coordinator**

Hatch Ltd.

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7

Tel: 905-374-0701 ext. 5280 Fax: 905-374-1157

Email: [smale@hatch.ca](mailto:smale@hatch.ca)



March 22, 2011

Address

**Subject: Notice of Public Meeting & Documents for Review - Northland Power - Belleville North Solar Project and Belleville South Solar Project**

As you are aware, Northland Power Solar Belleville North L.P and Northland Power Solar Belleville South L.P are proposing to construct two solar projects within Prince Edward County. The proposed projects are named the Belleville North Solar Project and the Belleville South Solar Project, respectively, and both will have an installed nominal capacity of 10 MW. These Projects require a Renewable Energy Approvals (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation (O.Reg.) 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

In accordance with Section 15 of O. Reg. 359/09, a Notice of Public Meeting has been prepared and a copy is enclosed. This Notice will be published in the *County Weekly* on Thursday March 24, 2011 and again on Thursday April 28, 2011.

As per Section 17 (1) of O. Reg. 359/09, draft copies of the Project Description Report, supporting documents and executive summary are enclosed. We request that this information be made publically available to your community. Digital copies of these reports and information about the Belleville North Solar Project and the Belleville South Solar Project can be found online at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth), respectively. Representatives of Northland and Hatch will be available to discuss this information at the Final Public Consultation meeting from 6:00pm to 8:00pm on Wednesday May 25, 2011 at the Allisonville Townhall, 11 Dutch Road (off County Road 2), Prince Edward County, Ontario.

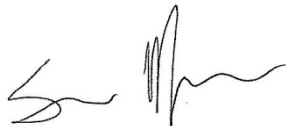
We respectfully request that your community provide (in writing) to us any information available that in your opinion, should be considered when finalizing the enclosed reports, and in particular, any information the community may have regarding adverse impacts that these Projects may have on constitutionally protected aboriginal or treaty rights, as well as any measures for mitigating those adverse impacts.

Your comments, queries or information relevant to the proposed Projects would be greatly appreciated.

Correspondence should be directed to:

Sean Male, M.Sc., REA Coordinator  
Hatch Ltd.  
4342 Queen St., Suite 500  
Niagara Falls, ON, L2E 7J7  
Phone: 905-374-0701 Ext 5280  
Fax: 905-374-1157  
Email: [smale@hatch.ca](mailto:smale@hatch.ca)

Yours truly,



Sean Male M.Sc,

March 22, 2011

REA Co-ordinator

SM:mg

Attachments

Notice of Public Meeting – Belleville North Solar Project and Belleville South Solar Project

Draft Project Description Report – Belleville North Solar Project  
Draft Construction Plan Report – Belleville North Solar Project  
Draft Design and Operations Report – Belleville North Solar Project  
Draft Decommissioning Plan Report – Belleville North Solar Project  
Stage 1 and 2 Archaeological Assessment Report – Belleville North Solar Project  
Draft Natural Heritage Assessment Reports – Belleville North Solar Project  
Draft Water Body Assessment Reports – Belleville North Solar Project  
Draft Noise Assessment Report – Belleville North Solar Project  
Draft Executive Summary – Belleville North Solar Project

Draft Project Description Report – Belleville South Solar Project  
Draft Construction Plan Report – Belleville South Solar Project  
Draft Design and Operations Report – Belleville South Solar Project  
Draft Decommissioning Plan Report – Belleville South Solar Project  
Stage 1 and 2 Archaeological Assessment Report – Belleville South Solar Project  
Draft Natural Heritage Assessment Reports – Belleville South Solar Project  
Draft Water Body Assessment Reports – Belleville South Solar Project  
Draft Noise Assessment Report – Belleville South Solar Project  
Draft Executive Summary – Belleville South Solar Project

cc: Mike Lord, Northland Power  
Tom Hockin, Northland Power

# NOTICE OF FINAL PUBLIC MEETING

## to be held by Northland Power Regarding a Proposal to Engage in Two Renewable Energy Projects

**Project Name:** Belleville North Solar Project

**Project Applicant:** Northland Power Solar Belleville North L.P.

**Project Location:** The Project is located on Burr Road, west of the Community of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 24th of March, 2011**

**Project Name:** Belleville South Solar Project

**Project Applicant:** Northland Power Solar Belleville South L.P.

**Project Location:** The Project is located on Highway 62, southwest of the Community of Crofton.

**Dated at the Corporation of the County of Prince Edward this the 24th of March, 2011**

Northland Power is planning to engage in two renewable energy Projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in the projects and the projects themselves are subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

This Public Meeting is being held to provide information on the proposed Projects. The meeting will be an open house format.

### Meeting Location:

**Date:** Wednesday, May 25, 2011

**Time:** 6:00 pm to 8:00 pm

**Place:** Allisonville Townhall, 11 Dutch Road (off County Road 2), Prince Edward County, ON

### Project Description:

Pursuant to the Act and Regulation, the facilities, in respect of which these projects are to be engaged in, are Class 3 Solar Facilities. If approved, these facilities would each have a total maximum name plate capacity of 10 MW. The project location is described in the map below.

The Draft Project Description Reports, titled *Project Description Report Northland Power Solar Belleville North* and *Project Description Report Northland Power Solar Belleville South*, describe the Projects as solar electric generating facilities that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. Written copies of the Draft Project Description Reports were made available for public inspection on July 22, 2010 at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and at [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth), and at local municipal offices. Further, the applicant has prepared supporting documents as per Ontario Regulation 359/09.

Written copies of the draft supporting documents will also be made available for the public inspection on March 24, 2011 at [www.northlandpower.ca/bellevillenorth](http://www.northlandpower.ca/bellevillenorth) and [www.northlandpower.ca/bellevillesouth](http://www.northlandpower.ca/bellevillesouth), and at Ameliasburg Branch, Al Purdy Library at 809 Whitney Road, Ameliasburg, Ontario.

### Project Contact and Information:

To learn more about the project proposals, public meetings or to communicate concerns, please contact:

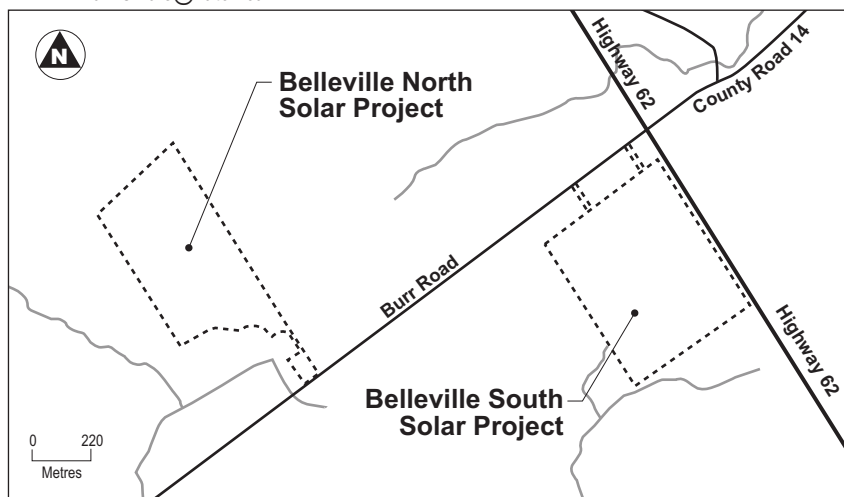
**Sean Male**, MSc, Environmental Coordinator

Hatch Ltd.

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7

Tel: 905-374-0701 ext. 5280 Fax: 905-374-1157

Email: [smale@hatch.ca](mailto:smale@hatch.ca)





# Appendix J

## Correspondence with Aboriginal Communities

February 14, 2011

Dave Simpson  
Alderville First Nation  
PO Box 46  
Roseneath, ON  
K0K 2X0

Dear Mr. Simpson,

**Subject: Northland Power Inc. - Archaeological Assessment Reports for Proposed Solar Projects in Ontario**

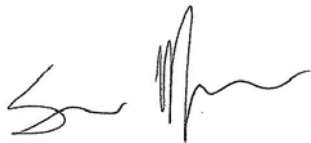
As requested, please find enclosed digital copies of the archaeological assessment reports completed by Archaeological Research Associates Ltd. on behalf of Northland Power Inc. for their proposed solar projects within the province of Ontario.

Enclosed you will find copies of the reports for six projects:

- Belleville North Solar Project
- Belleville South Solar Project
- Crosby Solar Project
- McCann Solar Project
- North Burgess Solar Project
- Rideau Lakes Solar Project

If you have any questions about the contents of these reports or would like to discuss these projects further, please do not hesitate to contact me at [smale@hatch.ca](mailto:smale@hatch.ca) or 905-374-0701 x5280.

Sincerely,

A handwritten signature in black ink, appearing to read "Sean K. Male".

Sean K. Male  
REA Coordinator

February 14, 2011

Diane Sheridan  
Land Resource Worker  
Hiawatha First Nation  
RR2  
Keene, ON  
K0L 2G0

Dear Ms. Sheridan,

**Subject: Northland Power Inc. - Archaeological Assessment Reports for Proposed Solar Projects in Ontario**


As requested, please find enclosed copies of the archaeological assessment reports completed by Archaeological Research Associates Ltd. on behalf of Northland Power Inc. for their proposed solar projects within the province of Ontario.

Enclosed you will find copies of the reports for four projects:

- Belleville North Solar Project
- Belleville South Solar Project
- McCann Solar Project
- North Burgess Solar Project

If you have any questions about the contents of these reports or would like to discuss these projects further, please do not hesitate to contact me at [smale@hatch.ca](mailto:smale@hatch.ca) or 905-374-0701 x5280.

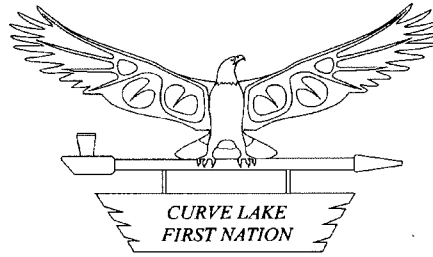
Sincerely,

A handwritten signature in black ink, appearing to read "Sean K. Male".

Sean K. Male  
REA Coordinator

GOVERNMENT SERVICES BUILDING  
AND CULTURAL CENTRE

PHONE (705) 657-8045  
FAX (705) 657-8708



CURVE LAKE, ONTARIO K0L 1R0

March 31<sup>st</sup>, 2011

Sean Male  
Environmental Coordinator  
Hatch Ltd.  
4342 Queen Street  
Suite 500  
Niagara Falls, Ontario L2E 7J7

Dear Sean Male

RE: Notice of Public Meeting & Documents for Review – Northland Power – Belleville North Solar Project and Belleville South Solar Project

We would like to acknowledge receipt of your correspondence on March 24<sup>th</sup>, 2011, regarding the above noted project and have reviewed your proposal.

As you may be aware, the area in which your project is proposed is situated within the Traditional Territory of Curve Lake First Nation. Our First Nation's Territory is incorporated within the Williams Treaty Territory and is the subject of a claim under Canada's Specific Claims Policy. We strongly suggest that you provide Karry Sandy-Mackenzie, Williams Treaty First Nation Claims Coordinator with a copy of your proposal as your obligation to consult to also extend to the other First Nations of the Williams Treaty.

Although we have not conducted exhaustive research nor have we the resources to do so, Curve Lake First Nation Council is not currently aware of any issues that would cause concern with respect to our Traditional, Aboriginal and Treaty rights.

Please note that we have particular concern for the remains of our ancestors. Should excavation unearth bones, remains or other such evidence of a native burial site or any Archaeological findings, we must be notified without delay. In the case of a burial site, Council reminds you of your obligations under the *Cemeteries Act* to notify the nearest First Nation Government or other community of Aboriginal people which is willing to act as a representative and whose members have a close cultural affinity to the interred person. As I am sure you are aware, the regulations further state that the representative is needed before the remains and associated artefacts can be removed. Should such a find occur, we request that you contact our First Nation immediately.

If any new, undisclosed or unforeseen issues should arise, that has potential for anticipated negative environmental impacts or anticipated impacts on our Treaty and Aboriginal rights we require that we be notified regarding these as well.

Thank you for recognizing the importance of consultation and respecting your duty to consult obligations as determined by the Supreme Court of Canada.

Should you have further questions, please feel free to contact me.

Yours sincerely,

A handwritten signature in cursive script that reads "Keith Knott".

Chief Keith Knott  
Curve Lake First Nation  
(705)657-8045



ALDERVILLE FIRST NATION  
P.O. Box 46  
11696 Second Line  
Roseneath, Ontario K0K 2X0

Chief: James R. Marsden  
Councillor: Dave Mowat  
Councillor: Pam Crowe  
Councillor: Leonard Gray  
Councillor: Randall Smoke

April 5, 2011

Att: Sean Male

**Re: Notice of Public Meeting & Documents for Review  
Northland Power - Belleville North Solar Project and Belleville South  
Solar Project**

Dear Sean,

Thank you for your consultation request to Alderville First Nation regarding the **Notice of Public Meeting and Documents for Review concerning the Belleville North Solar Project and Belleville South Solar Project**, which is being proposed within our Traditional and Treaty Territory. We appreciate the fact that **HATCH** recognizes the importance of First Nations Consultation and that your office is conforming to the requirements within the Duty to Consult Process.

As per the Alderville First Nation Consultation Protocol, your proposed project is deemed a level 3, having minimal potential to impact our First Nations' rights, therefore, please keep Alderville apprised of any archaeological findings, burial sites or any environmental impacts, should any occur.

Furthermore, please keep Alderville First Nation updated on any possible job opportunities with the Solar Project, as a group of our community members recently participated and graduated from a **Solar Panel Installation and Maintenance Program**, which was offered through Alderville Learning Centre and Sir Sanford Fleming College.

Although we may not always have representation at all stakeholders meetings, it is our wish to be kept apprised throughout all phases of this project. I can be contacted at the mailing address above or electronically via email, at the email address below.

In good faith and respect,

Dave Simpson  
Lands and Resources  
Communications Officer  
Alderville First Nation

[dsimpson@aldervillefirstnation.ca](mailto:dsimpson@aldervillefirstnation.ca)

Tele: (905) 352-2662  
Fax: (905) 352-3242

## Zhu, Julie

---

**From:** Male, Sean  
**Sent:** Friday, February 04, 2011 11:57 AM  
**To:** dsheridan@hiawathafn.ca  
**Cc:** 334844  
**Subject:** RE:

Thanks Diane.

We do have the archaeological reports for all of the Projects completed at this time. Would you like me to send those reports to you now, or would you prefer to wait and receive all of the reports (such as the Natural Heritage Reports, Construction Plan Report, etc.) for a given Project at once?

We will certainly keep you informed of any Project developments on a regular basis.

Thanks,

Sean

Sean K. Male, M.Sc.  
REA Coordinator, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

-----Original Message-----

**From:** Diane Sheridan [<mailto:dsheridan@hiawathafn.ca>]  
**Sent:** Friday, February 04, 2011 11:41 AM  
**To:** Male, Sean  
**Subject:** RE:

I have received the reports and looked them over and we have no concerns right now but would like to be kept informed as the two Bellville ones are up against our Williams treaty lands. We would like any reports that come in the future like Archaeological reports etc. We would like to be kept informed and updated on a regular bases.

Thanks Diane

-----Original Message-----

**From:** Male, Sean [<mailto:SMale@Hatch.ca>]  
**Sent:** February-04-11 9:08 AM  
**To:** [dsheridan@hiawathafn.ca](mailto:dsheridan@hiawathafn.ca)  
**Subject:** RE:

Hi Diane,

That would be great.

Please find attached the four Project Description Reports. If you have any questions, please do not hesitate to contact me.

Thanks,

Sean

Sean K. Male, M.Sc.  
REA Coordinator, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

-----Original Message-----

From: Diane Sheridan [<mailto:dsheridan@hiawathafn.ca>]  
Sent: Friday, February 04, 2011 9:04 AM  
To: Male, Sean  
Subject: RE:

Yes please send me the information on the other projects and I will look it over and get back to you as soon as possible.

-----Original Message-----

From: Male, Sean [<mailto:SMale@Hatch.ca>]  
Sent: February-03-11 1:07 PM  
To: [dsheridan@hiawathafn.ca](mailto:dsheridan@hiawathafn.ca)  
Cc: 334844  
Subject: RE:

Hi Diane,

Thank you very much for this correspondence. We will certainly keep the Hiawatha First Nation informed of any new developments in respect of the Crosby and Rideau Lakes projects.

Also, Northland Power has four other projects for which the Ministry of the Environment has identified may be of interest to the Hiawatha First Nation. We have previously sent Project Description Reports for those projects and I am wondering if you would be able to confirm whether there were any concerns with those Projects at this time.

The Projects are the McCann Solar Project, the North Burgess Solar Project, the Belleville North Solar Project, and the Belleville South Solar Project.



I can e-mail you copies of the various Project Descriptions Reports if you would like.

Thank you again for your correspondence. Northland Power and I look forward to continuing consultation with the Hiawatha First Nation.

Sincerely,

Sean

Sean K. Male, M.Sc.  
REA Coordinator, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

-----Original Message-----

From: Diane Sheridan [<mailto:dsheridan@hiawathafn.ca>]  
Sent: Tuesday, January 25, 2011 11:04 AM  
To: Male, Sean  
Subject:

Good Morning Sean,  
I have had a chance to go over the information sent to us though briefly, we have no concerns at this time. The area does not fall within the Williams Treaty Area but does but up to it. We would appreciate all updates and any further information regarding this project in the future. From time to time things change as the project proceeds and we would like to be kept informed as these are all new energy endeavours as far as effects on land, people and places.

In The Spirit of Friendship  
Diane Sheridan  
Land Resource Worker  
Hiawatha First Nation  
Tel: 705 295 4421 Fax: 705 295 7144  
[dsheridan@hiawathafn.ca](mailto:dsheridan@hiawathafn.ca)  
or  
[HFNConsultation@nexicom.net](mailto:HFNConsultation@nexicom.net)

\*\*\*\*\*

NOTICE - This message from Hatch is intended only for the use of the individual or entity to which it is addressed and may contain information which is privileged, confidential or proprietary.

Internet communications cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, arrive late or contain viruses. By communicating with us via e-mail, you accept such risks.

When

addressed to our clients, any information, drawings, opinions or advice (collectively, "information") contained in this e-mail is subject to the terms and conditions expressed in the governing agreements. Where no such agreement exists, the recipient shall neither rely upon nor disclose to others, such information without our written consent. Unless otherwise agreed, we do not assume any liability with respect to the accuracy or completeness of the information set out in this e-mail. If you have received this message in error, please notify us immediately by return e-mail and destroy and delete the message from your computer.

## Zhu, Julie

---

**From:** Male, Sean  
**Sent:** Monday, April 18, 2011 11:24 AM  
**To:** 'dsheridan@hiawathafn.ca'  
**Subject:** FW:

Hi Diane,

My condolences on the death within the community.

Thank you for providing this response so quickly. Northland will ensure to keep the Hiawatha First Nation informed of future developments in relation to these Projects.

For your information, the applications for Renewable Energy Approval were submitted to the Ministry of the Environment last week in relation to Northland Power's proposed Crosby Solar Project and Rideau Lakes Solar Project, which you previously reviewed.

Thank you again,

Sean

Sean K. Male, M.Sc.  
Terrestrial Ecologist, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

-----Original Message-----

**From:** Diane Sheridan [<mailto:dsheridan@rmt.hiawathafn.ca>]  
**Sent:** Monday, April 18, 2011 11:18 AM  
**To:** Male, Sean  
**Subject:** RE:

Sean

I have had a chance to review them only briefly as we have we had a death in the community. On reading them over I don't see any concerns for Hiawatha as long as all the environmental mitigations are carried out. We would however like to have constant updates and we reserve the right to ask for a meeting in the future if something should change in the reports we receive..

Diane

-----Original Message-----

**From:** Male, Sean [<mailto:SMale@Hatch.ca>]  
**Sent:** April-15-11 8:38 AM  
**To:** [dsheridan@hiawathafn.ca](mailto:dsheridan@hiawathafn.ca)  
**Subject:** RE:

Hi Diane,

Early this year you provided me with the response below in relation to Northland Power's proposed Crosby and Rideau Lakes Solar Projects.

Last month, we released documents to the Hiawatha First Nation relating to two more of Northland Power's proposed solar projects, the Belleville North and Belleville South projects. Have you had a chance to review the information contained in those applications, and if so, can you please provide me with a response similar to the one below indicating whether the Hiawatha First Nation have any concerns with respect to those sites?

Thanks,

Sean

Sean K. Male, M.Sc.  
Terrestrial Ecologist, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

-----Original Message-----

From: Diane Sheridan [<mailto:dsheridan@hiawathafn.ca>]  
Sent: Tuesday, January 25, 2011 11:04 AM  
To: Male, Sean  
Subject:

Good Morning Sean,

I have had a chance to go over the information sent to us though briefly, we have no concerns at this time. The area does not fall within the Williams Treaty Area but does but up to it. We would appreciate all updates and any further information regarding this project in the future. From time to time things change as the project proceeds and we would like to be kept informed as these are all new energy endeavours as far as effects on land, people and places.

In The Spirit of Friendship  
Diane Sheridan  
Land Resource Worker  
Hiawatha First Nation  
Tel: 705 295 4421 Fax: 705 295 7144  
[dsheridan@hiawathafn.ca](mailto:dsheridan@hiawathafn.ca)  
or  
[HFNConsultation@nexicom.net](mailto:HFNConsultation@nexicom.net)

\*\*\*\*\*

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**From:** James Wagar [<mailto:JamesW@metisnation.org>]  
**Sent:** Tuesday, April 26, 2011 10:08 AM  
**To:** Male, Sean  
**Subject:** RE: Northland Power - Consultation with Northumberland Metis Council

Hello Sean,

Would you and your team be willing to meet in Ottawa Friday evening, Saturday or Sunday?

Regarding Northumberland Métis Council. You are correct. The council is currently inactive. However, you may hear personal concerns from Métis citizens in the area. These concerns do not reflect the general consensus of the Métis community. Should any Métis individual express their concerns, please let me know and I will bring it to the community leaders' attention.

With that said the community leaders (Region 6 Councillor, JoAnne Wass, Seven Rivers Métis Council president, Tom Thompson & Ottawa Métis Council president Daniel Gilbeau) have expressed an interest to meet with Northland to discuss their solar projects in Eastern Ontario (including those in Prince Edward County). So our primary focus should be on following that protocol.

Many Thanks

JW

Metis Nation of Ontario  
416-977-9881 x.107  
[jamesw@metisnation.org](mailto:jamesw@metisnation.org)

**From:** Male, Sean [<mailto:SMale@Hatch.ca>]  
**Sent:** April 15, 2011 8:48 AM  
**To:** James Wagar  
**Cc:** 334844; Tom Hockin  
**Subject:** Northland Power - Consultation with Northumberland Metis Council

Hi James,

As you are aware Northland Power is working on several solar projects within Ontario. Two of these Projects, within Prince Edward County (the Belleville North and Belleville South Solar Projects), have been identified to us by the Ministry of the Environment as potentially being of interest to the Northumberland Métis Council.

In previous discussions, you have indicated that this Métis council is presently inactive. As such, we would like to confirm whether we should expect any response from the Northumberland Métis Council in relation to the Projects, or whether within our consultation reports we should be indicating that the council is presently inactive.

Any guidance you can provide on how to best carry these consultation activities with the Northumberland Métis Council forward would be greatly appreciated.

Thanks,

Sean

**Sean K. Male, M.Sc.**

Terrestrial Ecologist/Environmental Assessment & Management



**Tel: +1 905 374 0701 ext. 5280**

**Fax: +1 905 374 1157**

**4342 Queen Street, Suite 500, Niagara Falls, Ontario, Canada, L2E 7J7**



**HIAWATHA FIRST NATION**  
123 Paudash Street  
Hiawatha On. K0L2G0

Chief:	Sandra Moore
Councillor:	Jill Smith
Councillor:	Duane Cowie
Councillor:	Lorne Paudash
Councillor:	Donald Paudash

Date: May 2, 2011

**Re: Bellville North and Bellville south Solar Power Plants**

Dear Sean Male:

Thank you for your consultation request to Hiawatha First Nation regarding the "North and South Power Projects in Bellville" which is being proposed within Hiawatha First Nations' Traditional and Treaty Territories. Hiawatha First Nation appreciates the fact that Bellville recognizes the importance of First Nations Consultation and that your office is conforming to the requirements within the Duty to Consult Process.

As per the Hiawatha First Nation Consultation Protocol, your proposed project is deemed, having minimal potential to impact Hiawatha First Nations' rights at this time, however, please keep us apprised of any updates, archaeological findings, and/ or of any environmental impacts, should any occur. We can be contacted at the mailing address above or electronically via email, at the email address below.

In good faith and respect,

Lori Ritter and Diane Sheridan  
Land Resource Workers  
Hiawatha First Nation

hfnconsultation@nexicom.net  
Tele: (705) 295 4421  
Fax: (705) 295-7144



## McRae, Elizabeth

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**From:** Male, Sean  
**Sent:** Tuesday, November 22, 2011 11:33 AM  
**To:** Gibson, Melissa  
**Subject:** FW: Hi Tom and James, RE: Solar project  
**Attachments:** 220-0002 - Northland Metis Memo.pdf

### Sean K. Male, M.Sc.

Terrestrial Ecologist, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

---

**From:** Male, Sean  
**Sent:** Wednesday, February 02, 2011 3:32 PM  
**To:** JamesW@metisnation.org  
**Cc:** Tom Hockin; 334844  
**Subject:** RE: Hi Tom and James, RE: Solar project

Hello James,

Tom and I have prepared the attached memorandum to answer your questions around the areas of broad interest to the Métis people.

Please do not hesitate to contact myself or Tom if you have any questions about what is contained in the memorandum, or if you have further questions.

We look forward to continuing our consultation with the Métis people.

Sincerely,

Sean

### Sean K. Male, M.Sc.

REA Coordinator, Environmental Assessment & Management  
Tel: +1 905 374 0701 ext. 5280  
Niagara Falls, ON

---

**From:** James Wagar [mailto:JamesW@metisnation.org]  
**Sent:** January-11-11 11:26 AM  
**To:** Tom Hockin  
**Subject:** RE: Hi Tom and James, RE: Solar project

Hello Mr. Hockin,

As a follow up to our phone conversation earlier today please find the following items pertinent to future consultations with the Métis people.

As the consultation coordinator for the Métis Nation of Ontario (MNO) I help facilitate communications between the elected consultation committees and proponents. Speaking with me however does not constitute consultation with the Métis people as I am not an elected representative from the consultation committee.

To help assist the rights bearing Métis community ascertain any potential impacts to their way of life I would like to ask that you provide a quick response to the following broad interests that influence the Métis way of life in the area.

These broad general Métis interests include:

Water Quality

- Fish habitats including spawning potential
- Drink ability
- Impacts downstream
- Pollution including cumulative effects
- Impacts to Groundwater
- Monitoring

Wildlife

- Flora and fauna populations
- Endangered/threatened species
- Biodiversity initiatives
- Monitoring

Aboriginal Interests

- Who and how have the aboriginal people in Ontario been consulted
- Have any aboriginal sensitive areas been recognized on or around the study area
- Has any archaeological artifacts dated between the 17<sup>th</sup> and 19<sup>th</sup> been found within the study area.

The Study Area

- Does any crown land exist within the study area
- What types of land exists within the study area (ie. Wooded lots, agriculture)

Air Quality

- Pollution during construction, operation, decommissioning and abandonment

In future engagements with the Métis it is important to consider that the Métis Community Councils and the Regional Protocol Committees do not receive funding to implement either consultation programs or traditional land use/traditional ecological knowledge studies and that accommodation may be required for meaningful consultation to take place.

In consideration of future communications regarding other projects outside the area please note that all projects shall be sent to:

Melanie Paradis  
Director, Lands Resources and Consultations  
Métis Nation of Ontario  
500 Old St. Patrick St.  
Ottawa, Ontario K1N 9G4  
melaniep@metisnation.org

As you may be aware, the MNO is divided into 9 regional areas.



Each region has an elected regional councillor who represent the group of councils within their region. Find the attached list of Regional Councillors.

For the list of councils in the MNO please visit <http://www.metisnation.org/community-councils/council-contacts.aspx> . Note that for projects within a certain region, all councils of that particular region shall be notified.

Should you have any questions please feel free to let me know.

Miigwetch - Merci - Thank You

**James W. Wagar**

Consultation Assessment Coordinator  
Lands, Resources and Consultation  
Métis Nation of Ontario  
75 Sherbourne St., Suite 222  
Toronto, Ontario M5A 2P9

Toll Free: 888.466.6684  
Tel: 416.977.9881 ext.107  
Cell: 905.447.6612  
Fax: 416.977.9911

[JamesW@metisnation.org](mailto:JamesW@metisnation.org)

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**From:** Tom Hockin [mailto:Tom.Hockin@Northlandpower.ca]  
**Sent:** January 7, 2011 8:21 AM  
**To:** James Wagar  
**Subject:** RE: Hi Tom and James, RE: Solar project

Same to you James.  
Regards,  
Tom

---

**From:** James Wagar [mailto:JamesW@metisnation.org]  
**Sent:** January-07-11 8:14 AM  
**To:** Tom Hockin  
**Subject:** RE: Hi Tom and James, RE: Solar project

Hi Tom,

10am would be no problem.

Have a great weekend.

Mügwetch - Merci - Thank You

**James W. Wagar**

Consultation Assessment Coordinator  
Lands, Resources and Consultation  
Métis Nation of Ontario  
75 Sherbourne St., Suite 222  
Toronto, Ontario M5A 2P9

Toll Free: 888.466.6684  
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Fax: 416.977.9911

[JamesW@metisnation.org](mailto:JamesW@metisnation.org)

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**From:** Tom Hockin [mailto:Tom.Hockin@Northlandpower.ca]  
**Sent:** January 7, 2011 8:12 AM  
**To:** James Wagar; Robert Pellerin  
**Cc:** Daniel Gilbeau; OMC Women's Representative Lynn Pantuso; Robert Pellerin, OMC President  
**Subject:** RE: Hi Tom and James, RE: Solar project

Hi James,  
Can I suggest Tuesday at 10am? I'd be happy to call you at your office.  
Tom

---

**From:** James Wagar [mailto:JamesW@metisnation.org]  
**Sent:** January-07-11 7:46 AM  
**To:** Tom Hockin; Robert Pellerin  
**Cc:** Daniel Gilbeau; OMC Women's Representative Lynn Pantuso; Robert Pellerin, OMC President  
**Subject:** RE: Hi Tom and James, RE: Solar project

Hello Tom,

Sorry, I will be out of the office on Monday. I should be available to briefly speak with you on Tuesday.

Miigwetch - Merci - Thank You

## James W. Wagar

Consultation Assessment Coordinator  
Lands, Resources and Consultation  
Métis Nation of Ontario  
75 Sherbourne St., Suite 222  
Toronto, Ontario M5A 2P9

Toll Free: 888.466.6684  
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[JamesW@metisnation.org](mailto:JamesW@metisnation.org)

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**From:** Tom Hockin [mailto:Tom.Hockin@Northlandpower.ca]  
**Sent:** January 6, 2011 6:00 PM  
**To:** Robert Pellerin; James Wagar  
**Cc:** Daniel Gilbeau; OMC Women's Representative Lynn Pantuso; Robert Pellerin, OMC President; Tom Hockin  
**Subject:** RE: Hi Tom and James, RE: Solar project

Hi Robert and James,

Happy New Year. I'm sorry I wasn't able to contact James before the holidays.

James, are you available this coming Monday to discuss our solar projects?

Regards,  
Tom

**Tom Hockin**  
Development Manager - Renewables  
Office: 647.288.1046  
Mobile: 416.305.1235



---

**From:** Robert Pellerin [mailto:pellerin12@hotmail.com]  
**Sent:** December-14-10 8:06 PM  
**To:** Tom Hockin; jamesw@metisnation.org  
**Cc:** OMC Vice-President Dan Gilbeau; OMC Women's Representative Lynn Pantuso; Robert Pellerin, OMC President  
**Subject:** Hi Tom and James, RE: Solar project

Thanks Tom for your phone call last week. As stated, James Wagar is the Consultation Assessment Coordinator for the Ottawa area, so I am sending you his coordinates for you to call him with the details of your project. Hoping you all the best....

James, I have added Tom's email to this one to let you know that a project is in the works and for more details, Tom will probably be contacted you very shortly.

Take good care,

Robert Pellerin  
OMC President

## James W. Wagar

Consultation Assessment Coordinator  
Lands, Resources and Consultation  
Métis Nation of Ontario  
75 Sherbourne St., Suite 222  
Toronto, Ontario M5A 2P9

Toll Free: 888.466.6684  
Tel: 416.977.9881 ext.107

Cell: 905.447.6612

Fax: 416.977.9911

[JamesW@metisnation.org](mailto:JamesW@metisnation.org)

---

From: Tom.Hockin@Northlandpower.ca  
To: pellerin12@hotmail.com  
Date: Mon, 29 Nov 2010 16:20:11 -0500  
Subject: Solar project

Hi Robert,

Nice to speak with you. As I mentioned Northland has five solar projects under development in eastern Ontario and we wanted to ensure that you were receiving information and that we were available to you to discuss them. Attached are the project description reports that will provide you with an overview and the locations of the projects. We have completed our first Public Information Centre this summer and hope to have the next ones in the early part of the new year.

Please feel free to contact me at any time.

Regards,

Tom

**Tom Hockin**

Development Manager - Renewables

Office: 647.288.1046

Mobile: 416.305.1235



Project Memo

February 2, 2011

TO: James Wagar, Consultation Assessment  
Coordinator  
Métis Nation of Ontario

FROM: Sean Male, REA Coordinator  
Hatch

cc: Tom Hockin, Northland Power Inc.

## **Northland Power Inc. Ontario Solar Projects**

### **Memorandum re Métis Interests**

#### **1. Introduction**

Northland Power Inc. is proposing to construct several solar projects throughout the Province of Ontario. Each solar project is expected to produce 10-MW AC upon commissioning. These Projects are the

- Belleville North Solar Project
- Belleville South Solar Project
- Crosby Solar Project
- McCann Solar Project
- Rideau Lakes Solar Project
- North Burgess Solar Project
- Glendale Solar Project.

This memorandum has been prepared to address questions provided by James Wagar, Consultation Assessment Coordinator, to Northland Power on January 12, 2011.

#### **2. Identified areas of Métis Interest**

In his correspondence of January 12, 2011, Mr. Wagar identified five areas of broad general Métis interest:

- water quality
- wildlife
- Aboriginal interests
- study area
- air quality.

---

If you disagree with any information contained herein, please advise immediately.

H334844-0000-07-220-0002, Rev. A, Page 1



These areas of interest are addressed separately below.

## **2.1 Water Quality**

Information on waterbodies can be found within the Water Body Records Review, Site Investigation Report, and Environmental Impact Study for the various Projects. Information presented below is summarized from these reports.

### **2.1.1 Fish Habitats Including Spawning Potential**

None of the Projects require construction within a water body. Where waterbodies have been identified, a 30-m setback from the high water mark of the watercourse has been established in order to protect any fish habitats within the waterbodies.

### **2.1.2 Drinkability**

Several measures are being proposed to ensure water quality within both the surface water and groundwater is not impacted. This will include

- use of erosion and sedimentation control measures during all phases of the Project as required
- spill prevention and response programs
- 30-m vegetated buffers from the high water mark of the watercourse
- a baseline groundwater monitoring program will be implemented, following protocols recommended by the Ministry of the Environment (MOE), to ensure that groundwater sources are not impacted.

### **2.1.3 Impacts Downstream**

Mitigation measures identified to protect drinkability of water will also be effective at mitigating impacts downstream of the Projects. Further, additional mitigation measures will be employed to ensure that there are no impacts to waterbodies:

- monitoring of soil compaction during construction, and remediation as required
- ditches will be grassed and water flow measures installed to ensure runoff rate is slowed.

### **2.1.4 Pollution Including Cumulative Effects**

Pollution of the watercourses that could potentially occur as a result of the Project includes sediment and dust deposition within the watercourses, and accidental spills.

Sediment will be controlled through the use of erosion and sedimentation control measures. Best management practices for dust displacement, such as use of dust suppressants, stabilizing materials stockpiles, etc, will be used during construction.

As previously discussed, spill prevention and response programs will be in place for the Projects. This will include, at minimum, the availability of spill kits on the Project sites, designation of refuelling and vehicle maintenance zones, and material storage areas at least 30 m away from watercourses.

As these measures are anticipated to prevent pollution within waterbodies, there are no cumulative effects anticipated.

### 2.1.5 *Monitoring*

Visual monitoring for effectiveness of erosion and sedimentation control measures, soil compaction, dust displacement, as well as spill prevention measures will occur. The continual monitoring of these features will ensure that sedimentation off site, soil compaction, and spills do not occur. As well, dust and the potential negative impacts will be mitigated.

## 2.2 *Wildlife*

Information on wildlife can be found within the Natural Heritage Records Review, Site Investigation Report, Evaluation of Significance and Environmental Impact Study for the various Projects. Information presented below is summarized from these reports.

### 2.2.1 *Flora and Fauna Populations*

The wildlife habitat of each of the Project locations and the surrounding 120 m are carefully detailed throughout the Natural Heritage Assessment reports.

Generally speaking, most Projects are located primarily on agricultural lands. Some clearing within woodlands will be required for the Belleville North, Belleville South, Crosby, McCann, North Burgess, and Glendale Projects. Only the Belleville North Project will require construction within a wetland community, a small green ash swamp.

Wildlife populations of the Project locations consisted of those commonly found within rural agricultural farmlands.

### 2.2.2 *Endangered/Threatened Species*

Endangered/Threatened Species identified in relation to the various Projects are summarized below.

**Table 1 Summary of Endangered and Threatened Species**

<b>Project Name</b>	<b>Endangered/Threatened Species</b>
Belleville North Solar Project	Bobolink have been identified on the Project location. Eastern Ratsnake have been identified within the area, however no habitat has been identified to date on or within 120 m of the Project location.
Belleville South Solar Project	Eastern Ratsnake and Blanding's Turtles have been identified within the area, however no habitat has been identified to date on or within 120 m of the Project location.
Crosby Solar Project	Eastern Ratsnake – Have been identified from the area. Surveys will be undertaken in spring 2011 to determine if they are present on or near the Project location. American Ginseng are known to occur in the area, however have not been identified on or within 120 m of the Project location
McCann Solar Project	Bobolink and Butternut have been identified on the Project location. The Butternut tree identified has been determined to be non-retainable. Blanding's and Eastern Musk Turtle, as well as Eastern Ratsnake, have been identified within the area, however no habitat has been identified to date on or within 120 m of the Project location.

Project Name	Endangered/Threatened Species
Rideau Lakes Solar Project	Bobolink have been observed on the Project location. Eastern Ratsnake have been identified within the area and surveys will be undertaken in spring 2011 to determine if they are present on or near the Project location.
North Burgess Solar Project	Bobolink have been identified on the Project location Blanding's, Eastern Musk, and Spotted Turtle have been identified within the area, however no habitat has been identified to date on or within 120 m of the Project location.
Glendale Solar Project	Both Bobolink and Butternut have been identified on the Project location. Several of the Butternut trees have been identified as retainable.

### 2.2.3 Biodiversity Initiatives

No specific initiative to promote biodiversity are proposed. Several mitigation measures to protect biodiversity on and within 120 m of the Project location are proposed, including timing of work outside of sensitive periods, and setbacks from sensitive areas in the design and during construction. In addition, general measures to protect biodiversity, such as measures to avoid incidental take of wildlife during construction, are proposed.

These measures will ensure biodiversity on and within 120 m of the Projects is not impacted by Project development.

### 2.2.4 Monitoring

Monitoring measures are proposed throughout all phases of the Project. This will include:

- Monitoring of work areas boundaries during construction and decommissioning to ensure footprint impact is minimized
- Monitoring of dust generation during construction and decommissioning; dust control measures to be implemented as needed
- Monitoring of work equipment and areas during all phases of the Project to minimize the potential for incidental take of wildlife.

More information can be found in the Natural Heritage Environmental Impact Study for each of the Projects.

## 2.3 Aboriginal Interests

### 2.3.1 Who and How Have the Aboriginal People in Ontario been Consulted?

As per Ontario Regulation (O. Reg.) 359/09, the MOE has provided Northland Power Inc. with a list of Aboriginal communities to be consulted on each Project. These communities include

- Alderville First Nation (Crosby, McCann, Rideau Lakes, North Burgess, Belleville North, Belleville South)
- Algonquin's of Ontario (Crosby, McCann, Rideau Lakes, North Burgess)
- Hiawatha First Nation (Crosby, McCann, Rideau Lakes, North Burgess, Belleville North, Belleville South)

- Curve Lake First Nation (Crosby, McCann, Rideau Lakes, North Burgess, Belleville North, Belleville South)
- Kawartha Nishnawbe First Nation (Crosby, McCann, Rideau Lakes, North Burgess, Belleville North, Belleville South)
- Ottawa Regional Métis Council (Crosby, McCann, Rideau Lakes, North Burgess, Glendale)
- Métis Nation of Ontario, Consultation Unit (Crosby, McCann, Rideau Lakes, North Burgess, Belleville North, Belleville South, Glendale)
- Northumberland Metis Council (Belleville North, Belleville South)
- Mohawks of the Bay of Quinte (Glendale, Belleville North, Belleville South)
- Mohawks of Akwesasne (Glendale).

Consultation methods have included written invitations to the First Public Meeting, and to subsequent Final Public Meetings once scheduled. Additionally, if an Aboriginal community paper exists, a Notice of the Public Meeting was advertised. As well, printed copies of the Project Description Report, Construction Plan Report, Design and Operation Report, Decommissioning Plan Report, Noise Assessment Report, Stage 1 and 2 Archaeological Assessment Report, Natural Heritage Assessment Reports and Water Body Assessment Reports as well as an executive summary, have been, or will be upon completion of the reports, couriered to each Aboriginal community identified on the MOE's list.

Additional correspondence with each aboriginal community is underway to confirm whether reports have been received, if sent, and whether any additional information could be provided to assist review of the Projects.

### **2.3.2 *Have any Aboriginal Sensitive Areas been Recognized on or Around the Study Area?***

A Stage 1 and 2 Archaeological Assessment was conducted on each Project location. These reports will become available for review.

The table below discusses the finding relation to the two broad interests, if an Aboriginal sensitive area was recognized and if any of the artifacts range between the 17<sup>th</sup> and 19<sup>th</sup> Century.

**Table 2 Summary of Stage 1 and 2 Archaeological Assessments**

<b>Project Name</b>	<b>Aboriginal Sensitive Area Recognized?</b>	<b>Date of Artifacts Between 17<sup>th</sup> and 19<sup>th</sup> Century?</b>
Belleville North Solar Project	No; no artefacts found.	N/A
Belleville South Solar Project	No; two Findspots not of aboriginal origin identified.	Yes Findspot 1 consisted of an Euro-Canadian early to mid 19 <sup>th</sup> farmstead. Findspot 2 consisted of a historic era scatter of Euro-Canadian artefacts.
Crosby Solar Project	No; three Findspots not of aboriginal origin identified.	Yes Findspot 1 is considered an Euro-Canadian late to mid 19 <sup>th</sup> Century midden pit. Findspot 2 consisted of an Euro-Canadian early to mid 19 <sup>th</sup> farmstead. Findspot 3 consisted of an Euro-Canadian 19 <sup>th</sup> Century midden pit.
McCann Solar Project	No; while Findspot 2 and 4 are pre-contact artifacts, the area is not identified as an aboriginally sensitive area. Two other Findspots not of aboriginal origin identified.	Yes Findspot 1 consisted of an Euro-Canadian 19 <sup>th</sup> Century scatter. Findspot 3 consisted of Euro-Canadian late 19 <sup>th</sup> Century historical era scatter.
Rideau Lakes Solar Project	No; three Findspots not of aboriginal origin identified.	Yes Findspot 1 consisted of a mid-late 19 <sup>th</sup> Euro-Canadian homestead. Findspot 2 consisted of a diffuse mid to late 19 <sup>th</sup> midden likely associated with the homestead. Findspot 3 is a historical era scatter of early to mid 19 <sup>th</sup> Euro-Canadian artefacts.
North Burgess Solar Project	No; while Findspot 1 consisted of Palaeo-Indian projectile point, the area is not identified as an aboriginal sensitive area. Two other Findspots not of aboriginal origin identified.	Yes Findspot 3 consisted of a Euro-Canadian 19 <sup>th</sup> stone well.
Glendale Solar Project	No; four Findspot not of aboriginal origin identified.	Yes Findspot 1 consisted of a Euro-Canadian mid to late 19 <sup>th</sup> Century historical era scatter. Findspot 2 is a Euro-Canadian mid to late 19 <sup>th</sup> historical Findspot, consisting of a variety of artifacts. Findspot 3 is an Euro-Canadian early to mid 19 <sup>th</sup> Century historical era scatter. Findspot 4 consisted of a stone wall and a scattering of Euro-Canadian 19 <sup>th</sup> Century artifacts.

Overall, no specific Métis artifacts were identified during the course of the Stage 1 and 2 Archaeological Assessments.

## 2.4 Study Area

### 2.4.1 *Does any Crown Land Exist Within the Study Area?*

All of the Project lands are located on privately owned lands. Crown land does not exist within the study area.

### 2.4.2 *What Types of Land Exists Within the Study Area (i.e., Wooded Lots, Agriculture)*

As previously discussed in Section 2.2.1, the study area of each Project's consist mainly of agricultural fields, with woodlands and wetlands located on or within 120 m of some of the Projects.

## 2.5 Air Quality

### 2.5.1 *Pollution During Construction, Operation, Decommissioning and Abandonment*

Dust is anticipated to occur during construction and decommissioning/abandonment. This will be mitigated through best management practices, including using dust suppression (e.g., water) if necessary. Dust is not anticipated during operation.

Local impacts to air quality will occur as a result of the operation of equipment during construction and decommissioning/abandonment. However, the use of appropriate vehicle emission controls will help mitigate this effect such that impacts to air quality will be local and temporary. The solar projects do not have an impact on air quality during operations; use of combustion equipment during operations will be restricted to occasional maintenance requirements such that no impact to air quality is anticipated during this phase.