Cochrane Solar Farm

April 22, 2014

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

Attention: Mr. Vic Schroter, Director, EPA Section 47.5

## Re: Cochrane Solar Farm Project Renewable Energy Approval (REA) \#1290-9A4KSE - Amendment

Please find attached, an amendment application for the Northland Power Cochrane Solar Farm Project REA \#1290-9A4KSE.

The amendment request is to have the Ministry of the Environment "accept and add into our REA approval" two Archaeological Assessment reports.

The first Archaeological Assessment report is designated Project Information Number P052-4662013, dated January 14, 2014. This assessment report is related mainly to archaeologically clearing the previously difficult to reach areas of the Project site. These areas are within the original REA project boundary and the MNR also considered these areas as part of their original Natural Heritage Assessment. There is one small segment of land (a triangle approximately $40 \mathrm{~m} \times 40 \mathrm{~m} \times 55 \mathrm{~m}$ ) which is being assessed by the MNR, as the land is needed to ensure that the collector line crossing is legal at a property corner.

The second Archaeological Assessment report is designated Project Information Number P052-4532013, dated September 16, 2013. This includes an assessment of lands at the interconnection point with the HONI grid, which is approximately 20 km west of the Project site. These lands were already included in the original REA application and the original MNR Natural Heritage Assessment, but were not fully examined originally by the consultant archaeologist. This report has also been submitted as part of another REA amendment application ( Long Lake REA \#84309AEQ6M, MOE Reference number 1001-9FBT7P) and is being included here for completeness of this stand-alone REA permit.

Please find attached to this cover letter, an amendment cover letter/report (modification document) on Hatch letterhead dated April 16, 2014.

The fee amount of $\$ 300$ is to be charged to the credit card number on the next page.

A copy of this amendment application has been couriered to the MOE, Timmins District Office, as well.

Should you have any questions about the attached documents, please feel free to contact me at 416 6621437.

Yours truly,


Jim Mulvale
Manager EH\&S
Northland Power Inc.
Jim.mulvale@northlandpower.ca

Cc: MOE Timmins, Attn: Lianne Kentish

Attach: Hatch Cover Letter Report/Modifications Document which includes Renewable Energy Approval Amendment Application Form

## General Information and Instructions

## General

Information requested in this form is collected under the authority of the Environmental Protection Act, R.S.O. 1990 (EPA) and will be used to evaluate this application for a Renewable Energy Project. Questions about this collection of information should be directed to: Information Unit Supervisor, Environmental Assessment and Approvals Branch, 2 St. Clair Ave. W, Floor 12A, Toronto ON M4V 1L5. Telephone outside Toronto 1-800-461-6290 or in Toronto 416-314-8001.

## Instructions

1. Applicants are responsible for ensuring that they complete the most recent application form. Application forms and supporting documentation are available from the Environmental Assessment and Approvals Branch toll free at 1-800-461-6290 (locally at 416-314-8001), from your local District Office of the Ministry of the Environment, and in the "Publications" section of the Ministry of the Environment website at www.ene.qov.on.ca.
2. Questions regarding completion and submission of this application should be directed to the Environmental Assessment and Approvals Branch, 2 St. Clair Avenue West, Floor 12A, Toronto, Ontario, M4V 1L5, telephone number 1-800-461-6290 or (416) 314-8001, or to your local District Office of the Ministry of the Environment.
3. Complete Submission

In order to be eligible for the issue of a renewable energy approval, a person who proposes to engage in a renewable energy project shall, before submitting an application to the Director,

1) prepare the application in a form or format approved by the Director;
2) obtain or prepare, as the case may be, any documents that,
a) are required under Part IV to be submitted as part of the application, or
b) are to be submitted as part of the application for the purposes of obtaining an exemption from a provision of Part $V$; and
c) comply with all other requirements of Part IV of Ontario Regulation 359/09.
3) If there is more than one person applying for the issue of a renewable energy approval in respect of a renewable energy project, those persons shall jointly submit one application for the issue of a renewable energy approval.
4) An application to alter the terms and conditions of a renewable energy approval shall be prepared in a form or format approved by the Director and shall be submitted to the Director.

## Supporting documents

1) A person who proposes to engage in a renewable energy project shall submit a document set out in Column 1 of Table 1 of the Regulation as part of an application for the issue of a renewable energy approval in respect of the project if it is a project described opposite the document in Column 3.
2) If a document set out in Column 1 of Table 1 of the Regulation is submitted as part of an application for the issue of a renewable energy approval, the person who is engaging in the renewable energy project shall ensure that the document meets the requirements set out opposite the document in Column 2 of Table 1 of the Regulation.
3) Any document submitted as part of an application for the issue of a renewable energy approval shall be in writing.
4) Any document submitted as part of an application for the issue of a renewable energy approval that is a diagram, map or plan shall be drawn to scale and shall include a scale bar and a north arrow.

## INCOMPLETE APPLICATIONS WILL BE RETURNED TO THE APPLICANT.

The Ministry may require additional information during the technical review of any application.
4. If you are submitting your application electronically, electronic PDF application form should be completed and submitted by email to REAeSubmission@ontario.ca. Once the application has been received, you will receive an acknowledgement email with an MOE reference number for your application and additional instructions for submitting your hard copy application package and supporting information.

If you are not submitting your application electronically, the original application form and all required supporting documents must be sent to:

## The Ministry of the Environment, <br> Director, Environmental Assessment and Approvals Branch, <br> 2 St. Clair Avenue West, Floor 12A, Toronto, Ontario, M4V 1 L5

A copy of the complete application must be sent to any local Ministry District Office having jurisdiction over the project location. To locate the appropriate local Ministry District Office, please visit the Ministry of the Environment Internet site at: wuw.ene.gov.on.ca/envision/org/op.htm\#Req/Dist.

A cover letter addressed to the Director of Environmental Assessment and Approvals Branch should accompany both submissions and indicate that a copy of the complete submission has been sent to each District Office that has jurisdiction over the project location.
5. Information collected by the Ministry of the Environment is subject to the Freedom of Information and Protection of Privacy Act (FOIPPA). If you are of the view that any part of your application is confidential on the grounds such information constitutes a trade secret or scientific, technical, commercial, financial or labour relations information, please make this known now. Otherwise, the Ministry may make the information available to the public without further notice to you.

Application for Approval of a Renewable Energy Project

Ce formulaire est disponible en français

| For Office Use Only |  |  |
| :--- | :---: | :---: |
| Reference Number | Date (y/m/d) | Initials |

## Application Summary

Project Name (Project identifier to be used as a reference in correspondence)
Cochrane Sólar Project

Project Description Summary
(This summary should reflect the description in the documents upon which consultation has been completed and if it does not, the difference should be highlighted)
The facility is a 30 MW solar generating facility, located in the Town of Cochrane and the unorganized townships of Calder and Clute. The project will generate electricity using photo-voltaic panels mounted on fixed racking structures. Electricity generated by the solar photo-voltaic panels will be converted from direct current to alternating current by an inverter, and increased to 27.6 kV by the inverter house transformer, and subsequently stepped up (via the substation transformer) to 115 kV prior to being connected to the Project's transmission line. An approximately 20 km transmission line will be constructed from the facility location, progressing west to the connecting point with the HONI electricity grid. Other project components include access roads, a control building and site fencing.


Summary:

| Type of Application <br> Amendment to REA 1290-9A4KSE | Type of Renewable Energy Generation Facility <br> Solar Photo Voltaic Class 3. <br> Total Maximum Name Plate Capacity <br> 30 MW <br> Total Expected Generation Capacity <br> 30 MW <br>  |
| :--- | :--- |

2.1 Application Type


### 2.2 Statement of Project Technical Information Contact

Is the Project Technical Information Contact the same as the Applicant (identified in Section 1)? $\square$ Yes $\boxtimes$ No

## I, the undersigned hereby declare that, to the best of my knowledge:

- The information contained herein and the information submitted in support of this application (electronically and in hard copy) is complete and accurate in every way and I am aware of the penalties against providing false information as per s.184(2) of the Environmental Protection Act..
- I understand that by submitting this form, I am guaranteeing the completeness and accuracy of this form and the draft documents. Failure to submit the correct information will result in the application being returned as incomplete.
- That the information contained in the electronically submitted application form is the same as the information submitted in the hard copy submission.
- I have used the most recent application form (as obtained from the "publications" section of the Ministry of the Environment website at www.ene.gov.on.ca or from the Environmental Assessment and Approvals Branch at 1-800-461-6290).

3.1 Project Location - (the site/location where project will be located)

| as Applicant Physical Address? $\square$ Yes $\triangle$ No (If no, please provide site address information below) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Civic Address- Street information (includes street number, name, type and direction) $n / a$ |  |  |  | Unit Identifier (i.e. apartment number) <br> Reference Plan n/a |
| Survey Address <br> (Legal description of the site) | Lot Part Lots $14 \& 15,16,17 \& 18$ | Conc. $8,7$ | Part <br> n/a |  |
| Municipality / Unorganized Township Township of Glackmeyer | County/District Postal Code <br> District of cochrane POL 1C0 |  |  |  |

Non Address Information (where the project spans many locations or a large rural area, specify how the project area relates to the address provided)
The Project is located on three different properties, the Abitibi property is at Part Lots 14 \& 15, Concession 8 which is approximately 97.95 ha, the Martin's Meadows property is on Lot 16, Concession 8 and is approximately 82.3 ha and the Empire property is at Part Lots 17 \& 18 Concession 7 and is approximately 122.1 ha of land. The total amount of land is 302.35 ha .

| Geo Reference (southwest corner of property) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Map Datum | Zone | Accuracy Estimate | Geo Referencing Method | UTM Easting | UTM Northing |
| NAD83 | 17 | $+/-10 \mathrm{~m}$ | GlS mapping | 478606.78 | 5442486.57 |

3.2 Municipal or local authority Information - (List all municipal or board authorities where the project is located)

| Local Municipality / Unorganized Township (Include each Single Tier or Lower Tier in which the project location is situated. Attach a separate list if more space is necessary) |  |  |
| :---: | :---: | :---: |
| Name of Municipality | Address | Phone |
| Town of Cochrane | 171 4th Avenue | (705)272-4361 |
| Clerk's Name Jean Pierre Ouellette | $\begin{aligned} & \text { Clerk's Phone/Fax } \\ & (705) 272-6068 \end{aligned}$ | E-Mail Address <br> jp.ouellette@town.cochrane.on.ca |
| is the project location situated in one or more Upper Tier Municipality? (i.e., county, regional or district municipality.) List all Upper Tier Municipalities that the project location is situated in. Attach a separate list if more space is necessary Name of Municipality <br> Address <br> Phone |  |  |
|  |  |  |
| Clerk's Name | Clerk's Phone/Fax | E-Mail Address |
| Is the project location situated in a Local Roads Area? <br> List all Local Roads Areas that the project location is situated in. Attach a separate list if more space is necessary |  | $\square$ Yes $\square$ No |
| Name of local roads board <br> Frederick House Local Road Board | Address | Phone |
|  | P.O Box 2012, Cochrane, On | (705)272-6626 |
| Secretary-treasurer's Name Denis Lalande | Secretary-treasurer's Phone/Fax$(705) 272-6626$ | E-Mail Address <br> denislalande@hotmail.com |
|  |  |  |
| Is the project location in a Local Service Board area? <br> List all Local Service Board areas the project location is situated in. Attach a separate list if more space is necessary <br> Name of Local Service Board <br> Address |  | Phone$(705) 272-4262$ |
|  |  |  |  |
| Cochrane \& Suburban Planning Board | P.O Box 490, Cochrane, On |  |
| Secretary's Name Richard Vallee | Secretary's Phone/Fax | E-Mail Address |
|  | (705)272-6068 | richard.vallee@town.cochrane.on.ca |

4．1 Supporting Information Checklist－This is a list of all supporting information to this application and is subject to the FOIPPA and EBR．

|  | Mandatory | Altachment | Attached | Reference | Confidential＊ <br> （ 1 ） |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\star$ | Yes | Proof of Legal Name of Applicant | $\square$ Yes $\quad$ ® No | previously submitted with original application | $\square$ |
| $\star$ | Yes | A map that identifies the project location． | $\square$ Yes $\backslash$ No | previously submitted with original application | $\square$ |
|  |  | Name，Address and Phone Number of the Operating Authority | $\square$ Yes $\quad$ 囚 No |  | $\square$ |
| $\star$ | Yes | Name，Address and consent of land／site owner for the installation／construction and operation of the facility | $\square$ Yes $\quad$ ® No | previously submitted with original application | $\square$ |
| ᄎ | Yes | Project Description Report | $\square$ Yes $\quad$ 区 No | previously submitted with original application | $\square$ |
| $\star$ | Yes | Design and Operations Report | $\square$ Yes $\square^{\text {® }}$ No | previously submitted with original application | $\square$ |
| $\star$ | Yes | Decommissioning Plan Report | $\square$ Yes $\square^{\text {No }}$ | previously submitted with original application | $\square$ |
| $\star$ | Yes | Construction Plan Report | $\square$ Yes 区 No | previously submitted with original application | $\square$ |
| $\star$ | Yes | Consultation Report | $\square$ Yes $\square^{\text {® }}$ No | previously submitted with original application | $\square$ |
|  |  | Development Permit under the Niagara Escarpment Planning and Development Act | $\square$ Yes 区 No |  | $\square$ |
| $\star$ | Yes | A copy of this application has been sent to the local district office（s） | 区 Yes $\square$ No |  | $\square$ |
|  | Other Information Submitted in Support of the Application for a Renewable Energy Project |  |  |  |  |
|  | Title |  | Reference |  | $\begin{array}{\|c\|} \hline \text { Confidential* } \\ \text { (v) } \end{array}$ |
| 丸 | Proposed Technical Changes Letter（to A．Garcia－Wright）from Hatch |  | Dated April 16， 201 |  | $\square$ |
|  | Stage 1 and 2 Archaeological Assessment for Northland Power－Empire Site |  | January 17， 2014 |  | $\square$ |
| ＊ |  |  | n September 16， 20 |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  |  |  |  |  | $\square$ |
|  | Are you attaching an additional list of attachments？ <br> Yes <br> No |  | If there is not enough space to list all of the attachments included in this application package，please include an additional listing of these attachments． |  | $\square$ |

[^0]3．3 Site Information－（information about the site／location where project will be located）

| Site Name | MOE District Office |
| :--- | :--- |
| Cochrane Solar Project | Sudbury District Office |

Is in any portion of the Project location on federally owned land or a reserve？
Yes
区
No

Is in any portion of the Project location on Crown Land？
区
Yes $\square$ No

Is the Project location that is the subject of this application owned by the Applicant？
Yes
区 No
If no，please attach the owner＇s name，address and a signed letter granting consent for the installation and operation of the facilities

Is the Applicant the operating authority of the facility that is the subject of this application？
$\triangle$ Yes No If no，please attach the operating authority name，address and phone number
Is the Project location in the area of the Niagara Escarpment Plan？
$\square$
Yes
© No

Is the Project location in the area subject to the Oak Ridges Moraine Conservation Plan？
$\square$
Yes
区
No

Is the Project location in the Protected Countryside as shown in Schedule 1 to the Greenbelt Belt Plan？Yes
区
No

Is the Project location in the Lake Simcoe Watershed as defined in the Lake Simcoe Protection Act，2008？


Is the Project location in the Central Pickering Development Planning Area as shown in Schedule 1 to the Central Pickering Development Plan？
$\square$
YesNo

Has an Archaeological Report（ $\mathbf{s}, 22$ ）been prepared as part of the complete submission？


Has a Heritage Report（s．23）been prepared as part of the complete submission？
$\square$ Yes $X$ No
Has an Environmental Impact Study Report（s．38，s． 41 or s．43）been prepared as part of the complete submission？
X YesNo
Has a Water body Report（ $\mathrm{s} .39, \mathrm{~s} .40,5.44 \mathrm{~s} .45$ ）been prepared as part of the complete suibmission？
X Yes $\square \mathrm{N}$

| 2.3 Other Approvals for Facility - Please attach a separate list if more space is required |  |  |  | Separate list attached? | Yes X | No |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| List all other environmental approvals/permits applied for related to this project or received in relation to this project |  |  |  |  |  |  |
| Approval Number | Approval Date (byyy/mm/dd) | Approval Number | Approval Date (yyyy/mm/dd) | Approval Number | Approval Date (byyymm/dd) |  |
| WP-2013-0014 | 2014/01/28 |  |  |  |  |  |
| MNR Letter of Authority | 2014/01/27 |  |  |  |  |  |
| Land Use Permit \#1424-1003178 | 2014/01/28 |  |  |  |  |  |
| Ontario Power Authority (OPA) Registration ID (if applicable) |  |  | Ontario Power Authority (OPA) Reference Number (if applicable) FIT-FAQLBA0 (Abitibi) FIT-FQJ0FUC (Empire) FIT-FM5F |  |  |  |

### 2.4 Type of Renewable Energy Generation Facility (select all that apply)

| Wind Facility | Biofuel / Biogas / Other | Anaerobic Digestion Facility | Thermal Treatment Facility | Solar Photo Voltaic Facility |
| :---: | :---: | :---: | :---: | :---: |
| $\square$ Class 2 | $\square$ Biofuel | $\square$ Class 1 | $\square$ Class 1 | 区 Class 3 |
| $\square$ Class 3 | $\square$ Biogas | $\square$ Class 2 | $\square$ Class 2 |  |
| $\square$ Class 4 | $\square$ Other | $\square$ Class 3 | $\square$ Class 3 |  |
| $\square$ Class 5 | If other, please describe: |  |  |  |


| 2.5 Generation of Electricity |
| :--- |
| Total Maximum Name Plate Capacity   <br> 30 $M W(1 \mathrm{MW}=1000 \mathrm{~kW} / 1 \mathrm{~kW}=0.001 \mathrm{MW})$ 30$\quad \mathrm{MW}(1 \mathrm{MW}=1000 \mathrm{~kW} / 1 \mathrm{~kW}=0.001 \mathrm{~mW})$ |
| Days and Hours of Operation |
|  |
| $365 \mathrm{~d} / \mathrm{yr}$, sun-light hours |

1.1 Applicant Information (Owner of works/facility)

Applicant Name (legal name of individual or organization as evidenced by legal documents)
Northland Power Solar Abitibi L.P., Northland Power Solar Empire L.P., Northland Power Solar Martin's Meadows L.P. 191204973, 191204270, 191205095

Business Name (the name under which the entity is operating or trading - also referred to as trade name)
X same as Applicant Name
Northland Power Solar Abitibi L.P., Northland Power Solar Empire L.P., Northland Power Solar Martin's Meadows L.P.
Applicant Type:

| $\square$ | Corporation | $\square$ | Federal Government |
| :--- | :--- | :--- | :--- |
| $\square$ | Individual | $\square$ | Municipal Government |
| $\square$ | Partnership | $\square$ | Provincial Government |
| $\square$ | Sole Proprietor | $\square$ | Other (describe): |

Business Activity Description (a description of the business endeavour, this may include products sold, services provided or machinery/equipment used, etc.) Northland Power specializes in the development and operation of renewable energy generating facilities


### 1.3 Applicant Mailing Address



### 1.4 Statement of Applicant

l, the undersigned hereby declare that, to the best of my knowledge:

- The information contained herein is complete and accurate in every way and lam aware of the penalties against providing false information as per s.184(2) of the Environmental Protection Act.
- I understand that by submitting this form, I am guaranteeing the completeness and accuracy of all the information provided on this form and included in the draft reports. Failure to submit the correct information will result in an incomplete application being returned.
- The Project Technical Information Contact identified below is authorized to act on my behalf for the purpose of obtaining approval under section 47.3 of the EPA for the Project identified herein.

| Name of Signing Authority (please print) Jim Mulvale | Title <br> Manager, EH\&S |  |
| :---: | :---: | :---: |
|  |  |  |
| Telephone Number (including area code \& extension) (647)288-1273 ext. | Fax Number (including area code) $(416) 962-6266$ | E-mail Address <br> jim.mulvale@northlandpower.ca |
| Mobile Number (including area code) $(416) 662-1437$ | Signature | Date ( $\mathrm{y} / \mathrm{m} / \mathrm{d}$ ) $2014 / 04 / 22$ |


[^0]:    ＊Please note：the release of information contained in application forms and documentation submitted in support of applications for approval is subject to the provisions of the Freedom of Information and Protection of Privacy Act．This Act defines what may and may not be disclosed to the public，and is used to assess all requests for information contained in the documents on file with an application for approval．The information submitted with an application for approval may also be subject to the Environmental Bill of Rights．In those situations，the application and the associated non－confidential supporting documentation is made available for review by members of the public．The applicants should therefore identify all documents or portions of dacuments as noted above which are to be considered confidential and must provide detailed evidence in support of this claim．This evidence will be one of the factors the ministry would consider when making a decision regarding disciosure of specific documents on file．

