



Burk's Falls East Solar Farm

December 13, 2013

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: Burk's Falls East Solar Farm Project
Renewable Energy Approval (REA) #6662-8QVM6U - Amendment**

Northland Power Inc's Burk's Fall East Solar Farm went into commercial operation on September 23, 2013. As required by the facility's REA Permit Condition12, the "as built" UTM location coordinates of the equipment listed in Schedule A (inverters and transformers) are to be measured and reported to the Ministry.

The "as built" UTM coordinates of these equipment were not suppose to deviate more than 10 meters from the UTM locations listed in Schedule A. Our UTM measurements have found that due to some construction issues at the time of installation: two inverter clusters are located in excess of the 10 meter allowable deviation, where both inverters are approximately 12 meters from the Schedule A location; as well one inverter cluster transformer is 11 meters away from its Schedule A location.

This amendment application is to alter the Schedule A UTM coordinates to the "as built" coordinates. No new land is involved in this amendment request, the inverters are still well inside the REA approved facility footprint. A new noise model has been run with the "as built" coordinates and no material change results.

Please find attached: an amendment cover letter/report (modification document) on Hatch letterhead dated December 6, 2013, which includes the "as built" UTM coordinates, a revised site plan and a completed Application form; an application fee cheque in the amount of \$300; and a revised Noise Model Report dated December 11, 2013.

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

I note that within the Hatch Modification Document, there is an 11" x 17" Site Plan. The actual 11 meter and 12 meter UTM deviations are so small versus the size of the facility site, that they are not easily viewed on the Site Plan. Once a review engineer is assigned to our file, I can provide "exploded" views of the inverter areas which do show the shifts in the inverter positions more clearly.

Should you have any questions about the attached documents, please feel free to contact me at 416 662 1437.

Yours truly,

A handwritten signature in blue ink, appearing to read "Jim Mulvale". The signature is fluid and cursive, with a large initial "J" and "M".

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

Cc: MOE North Bay District Manager

Attach: Hatch Cover Letter Report/Modifications Document
which includes Renewable Energy Approval Amendment Application,
Revised Noise Study Report

December 6, 2013

Agatha Garcia-Wright, Director
Ministry of the Environment
2 St. Clair Avenue, Floor 12A
Toronto, ON
M4V 1L5

Dear Ms. Garcia-Wright:

Subject: Burk's Falls East Solar Project - Renewable Energy Approval No. 6662-8QVM6U - Amendment Application

Northland Power Solar Burk's Falls East L.P. has recently completed the construction of the Burk's Falls East Solar Project facility, located on privately owned parcel of land, located within the Township of Armour; herein referred to as "Burk's Falls East" or the "Project".

The Ministry of the Environment (MOE) issued a Renewable Energy Approval (REA) for the Project (No. 6662-8QVM6U) on February 14, 2012 with an amendment received on April 11, 2013. Schedule A of the REA permit specifies the UTM positioning coordinates of where the main noise producing equipment (inverters and transformers) are to be located, with an allowance for up to 10 m of variation.

Due to a variety of design and construction factors the location of some of the inverters (#4 and #6) and an inverter transformer (#2) were built more than 10 m from the UTM coordinates issued in the REA. The "as-built" location for these units were 11 to 12 m away from the REA specified UTM locations, thus exceeding the allowed 10 m deviation, by 1 or 2 m. We do confirm that even though some of the equipment has moved slightly from its approved position, everything remains within the previously approved Project location and no new land is required. As such, Northland Power Solar Burk's Falls East L.P. is submitting this application to amend the REA Schedule A UTM coordinates to match the "as-built" locations.

This amendment request summarizes the proposed changes to the Project, including the rationale for each change, and identifies the amendments to each of the supporting documents prepared for the REA application to incorporate the proposed Project changes. This letter also provides an assessment of the potential for new negative effects not addressed in the initial REA supporting documentation. Based on the assessment included herein, the proposed changes are considered to be Project Design Changes, and therefore, constitute a minor amendment to the REA.

1. Proposed Project Changes

The proposed changes are as follows:

- Revised location of inverter clusters #4 and #6 (approximately 11.6 m from the REA approved location) and the inverter transformer #2 (approximately 10.3 m from the REA approved location).

The revised Noise Assessment Report for the Project confirms that all sound emissions remain below the MOE requirement of 40 dBA (at locations of sensitive receptors) at all times.

Table 1.1 provides a description of each proposed change, the rationale for the change, an assessment of potential for altered environmental effects and any additional mitigation or monitoring required.

Table 1.1 Table of Proposed Changes, Rationale for Change, Altered Effects and Additional Mitigation Measures and Monitoring

Change	Change Details	Rationale for Change	Altered Effect	Additional Mitigation Required	Additional Environmental Effects Monitoring
Transformer Locations	Inverter cluster (#4 and #6) and inverter transformer (#2) locations have been altered compared to the approved REA locations (see Attachment A for revised coordinates). All equipment remains within the REA approved Project location, and no new land is required.	Inverter cluster locations have been optimized during the construction process	Noise modeling has shown that the revised layout for the Project continues to conform to the MOE noise requirements	N/A	N/A

As noted above, there are no additional net negative environmental effects.

A revised Noise Assessment Study has been prepared to assess changes in noise levels. The study has confirmed that noise levels remain within the MOE requirements of 40dBA (at locations of sensitive receptors) at all times. Further, all of these changes are within the proposed original Project location footprint.

Based on the above, the proposed changes are determined to be Project Design Changes (Minor).

2. Summary of Revisions to REA Supporting Documents

This section identifies the amendments to each of the supporting documents submitted with the original REA Application that are required to address the proposed Project changes.

The supporting documents that are amended by this letter include

- Construction Plan Report
- Design and Operations Report
- Water Body Environmental Impact Study Report
- Natural Heritage Environmental Impact Study Report.

As several studies considered the entire property and not just the original Project location, a number of the REA supporting documents do not require revisions as a result of the proposed changes, including

- Decommissioning Plan Report
- Protected Properties Assessment



- Natural Heritage Records Review
- Natural Heritage Site Investigation
- Natural Heritage Evaluation of Significance
- Project Description Report
- Stage 1 and 2 Archaeological Assessments
- Water Body Records Review Report
- Water Body Site Investigation.

As previously noted, the Noise Assessment Study has been revised to address the proposed changes and is included under separate cover.

The following sections identify the amendments to each of the REA supporting documents as a result of the proposed Project changes. For each amended report, a table is provided identifying the original text, the amended text and the original page and section of the text being amended. The tables provide the text submitted with the original REA application, the application to amend the REA and the most recent revisions in response to the currently proposed Project changes.

2.1 Construction Plan Report

Table 2.1 identifies the amendments to the Construction Plan Report, as a result of the changes discussed in this letter.

Table 2.1 Construction Plan Report Amendments

Page	Section	Original Text	Amended Text
27	Attachment A	Site Layout	Revised Site Layout (Attachment B of this report)

2.2 Design and Operations Report

Table 2.2 identifies the amendments to the Design and Operations Report, as a result of the changes discussed in this letter.

Table 2.2 Design and Operations Report Amendments

Page	Section	Original Text	Amended Text
21	Attachment A	Site Layout	Revised Site Layout (Attachment B of this report).

2.3 Water Body Environmental Impact Study Report

Table 2.3 identifies the amendments to the Water Body Environmental Impact Study, as a result of the changes discussed in this letter.

Table 2.3 Water Body Environmental Impact Study Amendments

Page	Section	Original Text	Revised Text
	Attachment A	Site Plan	Revised Site Layout (Attachment B of this report).

2.4 Natural Heritage Environmental Impact Study Report

Table 2.4 identifies the amendments to the Water Body Environmental Impact Study, as a result of the changes discussed in this letter.

Table 2.4 Natural Heritage Environmental Impact Study Amendments

Page	Section	Original Text	Revised Text
35	Attachment A	Site Plan	Revised Site Layout (Attachment B of this report).

2.5 Noise Assessment Report

The Noise Assessment Study was revised to address the proposed amendments, including revised inverter locations and inverter transformer. The revised *Burk's Falls East Solar Project Noise Assessment Study* is provided under separate cover. The report concludes that the amended Project continues to meet MOE noise emission requirements of 40dBA at all points of reception. A comparison with the December 2011 assessment report shows that 22 of the receptors will observe an increase in noise levels, 8 receptors will note a decrease in noise levels and the remaining 58 receptors will have the same noise levels as previously predicted. The maximum increase in noise levels is 0.3dBA, with most only experiencing a 0.1dBA increase in noise. The maximum decrease in noise levels is 1.1dBA, with most only experiencing a 0.1dBA decrease in noise.

3. Review by Other Agencies

The Ministry of Natural Resources (MNR) and Ministry of Tourism, Culture and Sport (MTCS) were consulted regarding the minor shifts to the two inverter clusters and the inverter transformer.

The MTCS stated that these changes do not require an additional archaeological assessment and the previously provided letter remains valid (see Attachment C).

The MNR also noted that the proposed changes did not result in the relocation of any equipment outside of the approved area and will not affect the Natural Heritage Assessment previously approved (see Attachment D).

If you have any questions, please do not hesitate to contact me at 905-374-0701, Ext. 5280.

Yours truly,



Sean Male
Environmental Coordinator
SM:srg

cc: J. Mulvale - Northland Power

Attachment A
Revised Coordinates for Inverters
and Inverter Transformer

Revised Coordinates for Noise Sources

Coordinates			
	X (m)	Y (m)	Z (m)
Sub	628088.4	5052242	326.3
Inv1	627981.0	5051831	307.6
Inv2	628038.7	5051991	312.6
Inv3	628180.4	5052156	322.2
Inv4	628527.7	5051945	326.8
Inv5	628445.8	5052085	333.8
Inv6	628403.9	5052195	335.6
Inv7	628375.8	5052309	332.6
Trans1	627986.3	5051831	307.8
Trans2	628044.0	5051990	312.6
Trans3	628185.7	5052155	322.5
Trans4	628533.0	5051945	327.6
Trans5	628451.1	5052085	333.8
Trans6	628409.2	5052195	335.9
Trans7	628381.1	5052309	332.9

Attachment B Site Layout

THIS ENGINEERING DOCUMENT IS THE WORK OF DESAUX AND ASSOCIATES, INC. AS SUCH, IT IS PROTECTED BY LAW. IT IS HEREBY INTENDED FOR THE USE AND BENEFIT OF THE CLIENT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DESAUX AND ASSOCIATES, INC.

Table Length	17.9 m
Table Spacing	0.1 m
Panel projected width	3.5 m
Racking structure projected width	3.7 m
Panel Tilt Angle	28°
Row Pitch (Front Edge to Front Edge)	11.35 m
Inter-Row Spacing	7.65 m
Trench Clearance within Array	5.1 m
Row Width	4.8 m
Perimeter Fence Height	6(+/-) Ft (2.13 m)

Inverter Coordinates:	X (in FT)	Y (in FT)
Block 1	628192.05	505215.75
Block 2	628040.28	505195.56
Block 3	627982.66	505181.27
Block 4	628377.43	505239.43
Block 5	628455.53	505215.39
Block 6	628447.44	505205.37
Block 7	628529.39	505194.21
Substation Coordinates:	628098.98	505212.95
PCC	628082.94	505209.41

- NOTES:**
- For roads, ditches, fences, etc. refer to drawings NPI-P040314-SC-CI-300-03 and NPI-P040314-SC-CI-0301-03
 - Inverters and substation coordinates obtained from survey provided by Hvel
 - Panels location have not been surveyed
- ① PCC under HVEL scope, coordinates to be confirmed by HVEL. Current coordinates as proposed on drawing 1208001 (SFC) from Chivaxinc and Epicon Ltd.

- REFERENCES:**
- SUBSTATION DETAILS SEE DRAWINGS 1228001 (CHIVAX INC.) (AS-BUILT VERSION)

REV.	DATE	DESCRIPTION	BY	CHKD.	
13-11-14		AS BUILT DRAWING	MM	JB	
13-05-18		RELOCATION OF SOME TRENCHES AND ONE TABLE	BC	BC	
13-13-17		RELOCATION OF SOME PV TABLES	BC	BC	
13-11-09		ISSUED FOR CONSTRUCTION, ETC	BC	BC	
13-05-21		ISSUED FOR OWNER'S REVIEW, IOR	BC	BC	
13-04-23		ISSUED FOR OWNER'S REVIEW, IOR	BC	BC	
13-04-19		ISSUED FOR OWNER'S REVIEW, IOR	MM	BC	
13-04-23		ISSUED FOR OWNER'S REVIEW, IOR	MM	BC	
12-06-11		ISSUED FOR OWNER'S REVIEW, IOR	MM	BC	
REV.	V.M.D.	DATE	DESCRIPTION	BY	CHKD.
13-11-14				MM	JB

ISSUES / REVISIONS

ALL DIMENSIONS MUST BE TAKEN AND CHECKED BEFORE BEGINNING THE WORK

MIWEL
CONSTRUCTION

NORTHLAND POWER
CUSTOMER AGREEMENT

Customer's reference

Project: NORTHLAND POWER PORTFOLIO OF SOLAR PARKS BURKS FALLS EAST 10MW

Title: SITE PLAN

MIWEL
CONSTRUCTION

Prepared: M. Riedel
Drawn: M. Riedel
Checked: S. Schaller

Discipline: ELECTRICAL
Scale: 1:1000
Date: 2012-10-05

Project Manager: S. Schaller
Signature No.: 01

M. App. NPI P040314
Rev. Date: BE CI 1500 23



Project: NPI P040314
Rev. Date: BE CI 1500 23

Attachment C
Correspondence from Ontario Ministry of
Tourism, Culture and Sport

Girodat, Sharon

From: Campbell, Paige (MTCS) [Paige.Campbell@ontario.ca]
Sent: Friday, November 29, 2013 12:13 PM
To: Male, Sean
Cc: Jim Mulvale; Jon Arkell
Subject: RE: Northland Power Solar Burk's Falls East Solar Project - Revisions to locations of inverters and transformers

Sean,

I have examined the attachment "GM Solar_BFT_UTM_CI-1500-12 (As Built)" and concur that these changes do not affect the validity of the recommendations in the Stage 1 and 2 archaeological assessment report. These changes do not require any additional archaeological assessment to be undertaken and the previously sent letter from our ministry referred to below is also still valid.

Paige Campbell
Archaeology Review Officer
Archaeology Program Unit
Ministry of Tourism, Culture and Sport
435 S. James Street, Suite 334
Thunder Bay, ON P7E 6S7
807-475-1628

From: Male, Sean [<mailto:SMale@Hatch.ca>]
Sent: November-27-13 10:56 AM
To: Campbell, Paige (MTCS)
Cc: Jim Mulvale; Jon Arkell
Subject: Northland Power Solar Burk's Falls East Solar Project - Revisions to locations of inverters and transformers

Dear Ms. Campbell,

Northland Power Solar Burk's Falls East is currently completing construction of the Burk's Falls East Solar Project in Parry Sound District, REA No. 6662-8QVM6U. The Project previously received a confirmation letter from the Ontario Ministry of Tourism and Culture in respect of the Stage 1 and 2 Archaeological Report on November 1, 2010 (MTC No. HD00530, PIF P007-247-2010).

Due to a variety of design and construction factors the location of some of the inverters (#4 and #6) and an inverter transformer (#2) were built more than 10 m from the location coordinates issued in the REA. A figure is provided attached that shows comparisons of the REA permitted and as-built inverter and inverter transformer locations. In the figure, the REA permitted locations are shown as green or black dots, while the as-built locations are shown as red or pink dots.

Given the change, Northland Power Solar Burk's Falls East L.P will be submitting an amendment to the REA to take into consideration this change. There is no change in the Project location or mitigation measures required, and no new areas not previously assessed in the confirmed stage 1 and 2 archaeological report were used as a result of this change. In order to support the REA amendment application we would like to request from the MTCS an e-mail or letter confirming that these identified changes are in line with the confirmation letter previously issued for the Project.

Please do not hesitate to contact me if you would like to discuss the proposed changes and this request further.

Thank you,

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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Attachment D
Correspondence from Ontario Ministry
of Natural Resources

Girodat, Sharon

From: Moore, Whitney (MNR) [Whitney.Moore@ontario.ca]
Sent: Wednesday, November 27, 2013 2:14 PM
To: Male, Sean
Cc: Keyvani, Mohsen (ENE); Halloran, Joe (MNR); Woeller, Kathy (MNR)
Subject: Burk's Falls East

Hi Sean,

Thank you for the additional information.

Please be advised that MNR re-confirmation is not required for the changes to the Burk's Falls East Solar Project.

We are satisfied that, as outlined below, the proposed project changes will not result in the relocation of any equipment outside the approved Project Location Boundary and will not affect the Natural Heritage Assessment already approved by MNR.

Have a great day,

Whitney

Whitney Moore
Planning Ecologist
Ministry of Natural Resources
Southern Region
519-826-4961
Whitney.Moore@ontario.ca

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.gov.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,
Director, Environmental Assessment and Approvals Branch,
2 St. Clair Avenue West, Floor 12A, Toronto, Ontario, M4V 1L5**

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: www.ene.gov.on.ca/envision/orq/op.htm#Reg/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.

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

Form ID: 2077667

Application Summary

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

Burk's Falls East Solar 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 10 MW solar generating facility, located in Armour Township. The project will generate electricity using photovoltaic panels mounted on fixed racking structures, with in-ground foundations. Direct current generated by the panels is converted to alternating current by inverters and stepped up to intermediate voltages by a transformer. Alternating current is routed to a main facility substation where it is stepped up to distribution line voltage. A short distribution line is used to connect the facility into the existing distribution grid. Other project components include access roads, a control building and site fencing. This amendment application is being submitted to amend the coordinates of the equipment to be consistent with the as-built locations. All equipment is within the originally approved facility land footprint.

Required Information	Completed (yes or no)
<input checked="" type="checkbox"/> Project Name & Description	Yes
<input checked="" type="checkbox"/> Section 1: Applicant Information	Yes
<input checked="" type="checkbox"/> Section 2: Project Information	Yes
<input checked="" type="checkbox"/> Section 3: Site Information	Yes
<input checked="" type="checkbox"/> Section 4: Required Documents	Yes

Application Status: **FORM COMPLETE.**

Summary:

Type of Application Amendment to REA 6662-8QVM6U	Type of Renewable Energy Generation Facility Solar Photo Voltaic Class 3.
Total Maximum Name Plate Capacity 10 MW	
Total Expected Generation Capacity 10 MW	

Section 1: Applicant Information



1.1 Applicant Information (Owner of works/facility)

Applicant Name (legal name of individual or organization as evidenced by legal documents) Northland Power Solar Burk's Falls East		Business Identification Number 191194646
Business Name (the name under which the entity is operating or trading - also referred to as trade name) Northland Power Solar Burk's Falls East		<input checked="" type="checkbox"/> same as Applicant Name
Applicant Type: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor	<input type="checkbox"/> Federal Government <input type="checkbox"/> Municipal Government <input type="checkbox"/> Provincial Government <input type="checkbox"/> Other (describe):	North American Industry Classification System (NAICS) Code 221119 Other Electric Power Generation
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		



1.2 Applicant Physical Address

Civic Address- Street information (includes street number, name, type and direction) 30 St. Clair Avenue West		Unit Identifier (i.e. apartment number) 12 th Floor	
Survey Address (Not required if Street Information is provided)	Lot	Conc.	Part
Municipality /Unorganized Township Toronto	County/District	Province/State Ontario	Country Canada
Postal Code M4V 3A1			
Telephone Number (include area code & ext.) (416)962-6262 ext.	Fax Number (include area code) (416)962-6266	Mobile Number (include area code)	E-mail Address jim.mulvale@northlandpower.ca



1.3 Applicant Mailing Address

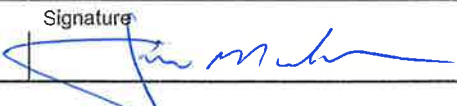
Same as Applicant Physical Address? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If no, please provide site address information below)	
Civic Address - Street information (civic numbering and street information including street number, name, type and direction) 30 St. Clair Avenue West	
Unit Identifier (i.e. apartment number) 12 th Floor	
Delivery Designator	Delivery Identifier
Municipality /Unorganized Township Toronto	Province/State Ontario
Country Canada	Postal Code M4V 3A1



1.4 Statement of Applicant

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

- The information contained herein 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 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.

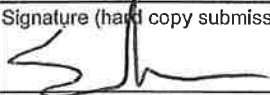
Name of Signing Authority (please print) Jim Mulvale	Title Manager, EH&S
Telephone Number (including area code & extension) (647)288-1273 ext.	Fax Number (including area code) (416)962-6266
E-mail Address jim.mulvale@northlandpower.ca	
Mobile Number (including area code) (416)662-1437	Signature 
Date (y/m/d) 2013/12/12	

Section 2: Project Information

2.1 Application Type

Type of Application:			
<input type="checkbox"/> New Renewable Energy Approval		Where Applicable provide Existing Renewable Energy Approval Number:	
<input checked="" type="checkbox"/> Amendment to Renewable Energy Approval		6662-8QVM6U	
Application Initiated by:			
<input checked="" type="checkbox"/> Proponent	<input type="checkbox"/> Environmental Assessment and Approvals Branch	<input type="checkbox"/> Provincial Officer Order (attach copy)	<input type="checkbox"/> Other (specify):
Current Certificate(s) of Approval <i>(please attach a separate list if more space is required)</i>			
Certificate of Approval Number	Date of Issue (yyyy/mm/dd)	Certificate of Approval Number	Date of Issue (yyyy/mm/dd)
Certificate of Approval Number	Date of Issue (yyyy/mm/dd)	Certificate of Approval Number	Date of Issue (yyyy/mm/dd)
Current Permit(s) to Take Water <i>(please attach a separate list if more space is required)</i>			
Permit Number	Date of Issue (yyyy/mm/dd)	Permit Number	Date of Issue (yyyy/mm/dd)
Permit Number	Date of Issue (yyyy/mm/dd)	Permit Number	Date of Issue (yyyy/mm/dd)
Project Schedule			
Estimated date for start of construction/installation (yyyy/mm/dd)		Estimated date for start of operation (yyyy/mm/dd)	
2012/08/07		2013/09/23	

2.2 Statement of Project Technical Information Contact

Is the Project Technical Information Contact the same as the Applicant (identified in Section 1)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
I, the undersigned hereby declare that, to the best of my knowledge:			
<ul style="list-style-type: none"> • 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 <i>Environmental Protection Act</i>. • 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). 			
Name of Project Technical Information Contact		Company	
Sean Male		Hatch	
Telephone Number <i>(include area code & ext.)</i>	Fax Number <i>(include area code)</i>	Mobile Number <i>(include area code)</i>	E-mail Address
(905)374-0701 ext. 5280	(905)374-1157		smale@hatch.ca
Signature <i>(hard copy submission MUST be signed)</i>		Date (yyyy/mm/dd)	
		2013/12/11	
Address Information:			
Same as Applicant Mailing Address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, please provide technical information contact address information below)</i>			
Civic Address - Street information <i>(civic numbering and street information including street number, name, type and direction)</i>			Unit Identifier <i>(i.e. apartment number)</i>
4342 Queen Street			Suite 500
Delivery Designator	Delivery Identifier	Postal Station	
Municipality /Unorganized Township	Province/State	Country	Postal Code
Niagara Falls	Ontario	Canada	L2E 7J7

2.3 Other Approvals for Facility – Please attach a *separate list* if more *space* is required Separate list attached? Yes No

List all other environmental approvals/permits applied for related to this project or received in relation to this project

Approval Number	Approval Date (yyyymmdd)	Approval Number	Approval Date (yyyymmdd)	Approval Number	Approval Date (yyyymmdd)

Ontario Power Authority (OPA) Registration ID (if applicable) Ontario Power Authority (OPA) Reference Number (if applicable)
FIT-F164P1F

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
<input type="checkbox"/> Class 2	<input type="checkbox"/> Biofuel	<input type="checkbox"/> Class 1	<input type="checkbox"/> Class 1	<input checked="" type="checkbox"/> Class 3
<input type="checkbox"/> Class 3	<input type="checkbox"/> Biogas	<input type="checkbox"/> Class 2	<input type="checkbox"/> Class 2	
<input type="checkbox"/> Class 4	<input type="checkbox"/> Other	<input type="checkbox"/> Class 3	<input type="checkbox"/> Class 3	
<input type="checkbox"/> Class 5	If other, please describe: <div style="background-color: #cccccc; height: 20px; width: 100%;"></div>			

2.5 Generation of Electricity

Total Maximum Name Plate Capacity	Total Expected Generation Capacity
10 MW (1 MW = 1000 kW / 1 kW = 0.001 MW)	10 MW (1 MW = 1000 kW / 1 kW = 0.001 MW)
Days and Hours of Operation	
365 d/yr, sun-light hours	

Section 3: Site Information



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

Same as Applicant Physical Address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, please provide site address information below)					
Civic Address- Street information (includes street number, name, type and direction)					Unit Identifier (i.e. apartment number)
827 Chetwynd Road					
Survey Address <small>(Legal description of the site)</small>	Lot	Conc.	Part	Reference Plan	
n/a	n/a	n/a	n/a	n/a	
Municipality / Unorganized Township		County/District		Postal Code	
Armour Township				P0A 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 size is approximately 40 hectares, located entirely on the property associated with the above address. UTM below is the facility's main transformer location.					
Geo Reference (southwest corner of property)					
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing
NAD83	17	+/- 5 m	GIS mapping	628088	5052242



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	
Armour Township		56 Ontario Street		(705)382-3332	
Clerk's Name		Clerk's Phone/Fax		E-Mail Address	
Wendy Whitwell		(705)382-2068		clerk@armourtownship.ca	
Is the project location situated in one or more Upper Tier Municipality? (i.e., county, regional or district municipality.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <small>List all Upper Tier Municipalities that the project location is situated in. Attach a separate list if more space is necessary</small>					
Name of Municipality		Address		Phone	
Clerk's Name		Clerk's Phone/Fax		E-Mail Address	
Is the project location situated in a Local Roads Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <small>List all Local Roads Areas that the project location is situated in. Attach a separate list if more space is necessary</small>					
Name of local roads board		Address		Phone	
Secretary-treasurer's Name		Secretary-treasurer's Phone/Fax		E-Mail Address	
Is the project location in a Local Service Board area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <small>List all Local Service Board areas the project location is situated in. Attach a separate list if more space is necessary</small>					
Name of Local Service Board		Address		Phone	
Southeast Parry Sound District Planning Board		172 Ontario Street		(705)382-0739	
Secretary's Name		Secretary's Phone/Fax		E-Mail Address	
Linda Moyer		(705)382-0739		seplanningbd@bellnet.ca	

3.3 Site Information - (information about the site/location where project will be located)

Site Name	MOE District Office
Burk's Falls East Solar Project	Sudbury District Office
Is in any portion of the Project location on federally owned land or a reserve?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is in any portion of the Project location on Crown Land?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the Project location that is the subject of this application owned by the Applicant?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If no, please attach the owner's name, address and a signed letter granting consent for the installation and operation of the facilities</i>	
Is the Applicant the operating authority of the facility that is the subject of this application?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If no, please attach the operating authority name, address and phone number</i>	
Is the Project location in the area of the Niagara Escarpment Plan?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the Project location in the area subject to the Oak Ridges Moraine Conservation Plan?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the Project location in the Protected Countryside as shown in Schedule 1 to the Greenbelt Belt Plan?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the Project location in the Lake Simcoe Watershed as defined in the Lake Simcoe Protection Act, 2008?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the Project location in the Central Pickering Development Planning Area as shown in Schedule 1 to the Central Pickering Development Plan?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Has an Archaeological Report (s. 22) been prepared as part of the complete submission?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Has a Heritage Report (s.23) been prepared as part of the complete submission?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Has an Environmental Impact Study Report (s.38, s. 41 or s. 43) been prepared as part of the complete submission?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Has a Water body Report (s.39, s. 40, s.44 s. 45) been prepared as part of the complete submission?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

