



**McCann 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: McCann Solar Farm Project  
Renewable Energy Approval (REA) #5636-8RAM88 - Amendment**

Northland Power Inc's McCann Solar Farm went into commercial operation on July 27, 2013 and as required by the facility's REA Permit Condition 12, the "as built" UTM location coordinates of the equipment listed in Schedule A (inverters and transformers) were measured and were 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. Due to some construction issues at the time of installation, two inverter clusters are located in excess of the 10 meter allowable deviation: one inverter is approximately 11 meters from the Schedule A location; and the other inverter is 12 meters away.

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 11, 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,



**Jim Mulvale**  
Manager EH&S  
Northland Power Inc.  
[Jim.mulvale@northlandpower.ca](mailto:Jim.mulvale@northlandpower.ca)

Cc: MOE Kingston District Manager

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

December 11, 2013

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

Dear Ms. Garcia-Wright:

**Subject: Renewable Energy Approval Amendment Application (No. 5636-8RAM88 )  
McCann Solar Project**

As you are aware, Northland Power Solar McCann L.P. has recently completed the construction of the McCann Solar Project facility (herein referred to as the "Project"), located on privately owned parcel of land, in the Township of Rideau Lakes in the United Counties of Leeds and Grenville.

The Ministry of the Environment (MOE) issued a Renewable Energy Approval (REA) for the Project (No. 5636-8RAM88) on February 29, 2012. 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 (#5 and #6) were built more than 10 m from the location 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 McCann 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 the inverter cluster #5 and #6 (approximately 10.5 m and 11.5 from the REA approved locations respectively).

The revised Noise Assessment Report for the Project confirms that sound emissions are indicated that all sound emissions remain below the MOE requirements (40 dBA) 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	Inverters (#5 and #6) 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 continues to conform to the MOE 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 40 dBA (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 (including the proposed location of the overhead line) 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	Appendix 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	Appendix 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
37	Appendix A	Site Plan	The site plan is replaced with the updated site plan (see 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
26	Appendix A	Site Plan	The site plan is replaced with the updated site plan (see 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. The revised *McCann Solar Project Noise Assessment Study* is provided under a separate cover. The report concludes that the amended Project continues to meet MOE noise emission of 40 dBA at all points of reception. A comparison with the December 2011 assessment report shows that 19 of the receptors will observe an increase in noise levels, 11 receptors will note a decrease in noise levels and the remaining 80 receptors will have the same noise levels as previously predicted. The maximum increase in noise level is 0.2 dBA, while the maximum decrease in noise levels is 0.7 dBA with most receptors only having a decrease of 0.1 dBA as compared to the predicted noise levels from the December 2011 study..

## 3. Review by Ministry of Natural Resources

The Ministry of Natural Resources (MNR) was consulted regarding the minor shifts to the two inverter clusters.

The MNR stated that these 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 C).

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:mg

cc: J. Mulvale, Northland Power

# Attachment A

## Revised Coordinates for Inverters

Revised UTM Coordinates

Name	Coordinates		
	X (m)	Y (m)	Z (m)
Mc_Sub	399148.5	4948484	136.14
Mc_Inv_1	398804.6	4948423	131.08
Mc_Inv_2	398917.7	4948529	132.6
Mc_Inv_3	398957.8	4948667	132.39
Mc_Inv_4	398993.8	4948815	132.32
Mc_Inv_5	399183.3	4948920	132.6
Mc_Inv_6	399186.8	4948714	132.6
Mc_Inv_7	399289.1	4948606	132.95
Mc_Transf_1	398809.9	4948422	131.1
Mc_Transf_2	398923.0	4948529	132.58
Mc_Transf_3	398963.1	4948666	132.52
Mc_Transf_4	398999.1	4948814	132.48
Mc_Transf_5	399188.7	4948919	132.58
Mc_Transf_6	399192.1	4948714	132.58
Mc_Transf_7	399294.4	4948606	132.8



# Attachment B

## Site Layout

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	29°
Row Pitch (Front Edge to Front Edge)	16.5 m
Inter-Row Spacing	6.8 m
Trench Clearance within Array	5.1 m
Road Width	4.0 m
Perimeter Fence Height	6(4) Ft (213 m)
Inverter Foundation Center Points	X (m) Y (m)
Block 1	398995.462 4948914.789
Block 2	398999.466 4948664.538
Block 3	398919.346 4948528.960
Block 4	398886.289 4948122.639
Block 5	399185.820 4948919.773
Block 6	399188.439 4948714.183
Block 7	399290.733 4948686.282
Substation Coordinates	
PCC	399207.104 4948305.948

THIS ENGINEERING DOCUMENT IS THE WORK OF MIWEL AND AS SUCH IS PROTECTED BY LAW. IT IS SOLELY INTENDED FOR THE USE SPECIFICALLY MENTIONED IN IT. STRICTLY FORWARDED TO THE CLIENT OR ANY OTHER PARTY OR ANY OTHER WORKSHOP HAVING FIRST OBTAINED MIWEL'S WRITTEN AUTHORIZATION TO DO SO.

Name

- Fencing will be done as per Drawing 101-P040314-10-CI-0300.
- Substation Building and Switchyard details are shown in drawing 1219002.
- Maintenance Building details are shown in drawing 101-P040314-10-CI-0300. Location of the Maintenance Building to be confirmed.
- Overhead high voltage line and PCC details are shown in the Substation overall site layout plan.
- Metering pole position and details are shown in the Substation and switchyard details drawing. (See Note # 2).
- Trenching details are shown in EL-0001. Weather Station details are shown in EL-1600.

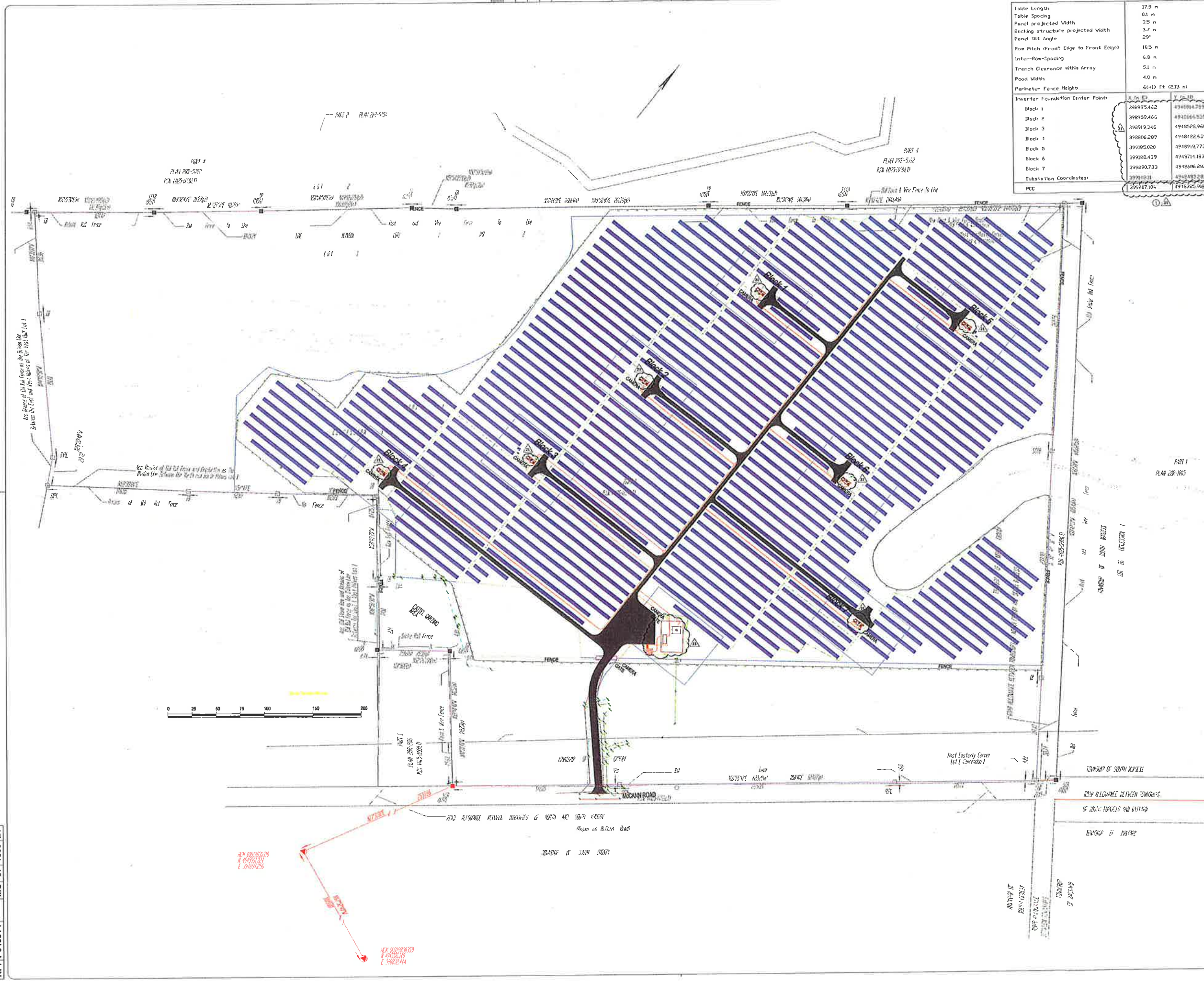
NOTES

- For roads, ditches, fences, etc., refer to drawings 101-P040314-10-CI-0300-03 and 101-P040314-10-CI-0300-02.
- Invertors and substation coordinates obtained from survey provided by client.
- Panels location have not been surveyed.

① PCC under HDH scope, coordinates to be confirmed by HDH. Current coordinates as proposed on drawing 1217E01 (PCC) from CHINAIX and Epton Ltd.

REFERENCES:

- SUBSTATION DETAILS SEE DRAWINGS 1217C01 (CHINAIX Inc.) GAS BUILT VERSION



REV	DATE	DESCRIPTION	BY	APP
15	13-11-14	AS BUILT DRAWING	MR	MR
14	13-11-14	GENERAL REVISION	MR	MR
13	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
12	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
11	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
10	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
9	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
8	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
7	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
6	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
5	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
4	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
3	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
2	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR
1	13-06-14	ISSUED FOR OWNERS REVIEW, IGA	MR	MR

ISSUES / REVISIONS

ALL ENGINEER'S SEALS BY DESIGN AND CHECKED BEFORE SIGNING THE WORK

MIWEL CONSULTING

**NORTHLAND POWER**

CUSTOMER ADDRESS

Customer's address

Project: **NORTHLAND POWER PORTFOLIO OF SOLAR PARKS MC CANN 10MW**

Title: **SITE PLAN**

Project manager	S. Schaller	Supervisor	01
Author	M. Riedel	Discipline	ELECTRICAL
Checked	S. Schaller	Scale	1:1250
Date	2012-02-03	Date	2012-02-03
Client	NPI P040314	Rev.	21

Drawing No. **MC CI 1500 21**  
 Project **NPI P040314**  
 Date **2012-02-03**

**Attachment C**  
**Correspondence for Ministry of**  
**Natural Resources**

**From:** Moore, Whitney (MNR) [<mailto:Whitney.Moore@ontario.ca>]  
**Sent:** Thursday, November 28, 2013 10:39 AM  
**To:** Jim Mulvale  
**Cc:** Raetsen, Sarah (ENE); Halloran, Joe (MNR); Woeller, Kathy (MNR)  
**Subject:** Northland Power, McCann Solar Project

Good Morning Jim,

Thank you for the additional information.

Please be advised that MNR re-confirmation is not required for the changes to the McCann 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](mailto:Whitney.Moore@ontario.ca)

**From:** Halloran, Joe (MNR)  
**Sent:** November-27-13 3:20 PM  
**To:** Moore, Whitney (MNR)  
**Subject:** FW: Northland Power, McCann Solar Project

Another for you.

Joe Halloran  
A\Renewable Energy Program Coordinator  
Southern Region  
Ph: 705-755-5353  
[joe.halloran@ontario.ca](mailto:joe.halloran@ontario.ca)

**From:** Jim Mulvale [<mailto:jim.mulvale@Northlandpower.ca>]  
**Sent:** November 27, 2013 2:59 PM  
**To:** Halloran, Joe (MNR)  
**Subject:** RE: Northland Power, McCann Solar Project

Hi Joe,

Further to our earlier e-mail, Northland Power Solar McCann L.P. has completed the construction of the McCann Solar farm under REA No. 5636-8RAM88.

Due to a variety of design and construction factors the location of two of the inverters (Block #5 and #6) were built more than 10 m from the UTM location coordinates issued in the REA. These were built approximately 10.5 m and 11.5 m away from the original REA location. In the attached PDF, a site plan is provided that shows comparisons of the REA permitted and as-built inverter and inverter transformer locations. In the site plan, the REA permitted locations for the inverters is a black dot, the inverter “as-built” is pink. The inverter transformer’s REA permitted location is a green dot, while the as-built locations are shown as red. To see the dots best, you need to go to magnification “800%”!

Given the change, Northland Power Solar McCann 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 natural heritage features are identified or impacted by this change. In order to support the REA amendment application we would like to request from the MNR 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.

Best Regards

**Jim Mulvale, P.Eng.** | Manager EH&S

Northland Power Inc

d: 647.288.1273 | c: 416 662 1437



**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](http://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](mailto: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/org/op.htm#Reg/Dist](http://www.ene.gov.on.ca/envision/org/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

### Application Summary

Project Name *(Project identifier to be used as a reference in correspondence)*  
**McCann 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 proposed facility is a 10 MW solar generating facility, located in the Township of Rideau Lakes, within the United Counties of Leeds and Grenville. 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 <b>Amendment to REA 5636-8RAM88</b>	Type of Renewable Energy Generation Facility <b>Solar Photo Voltaic Class 3.</b>
Total Maximum Name Plate Capacity <b>10 MW</b>	
Total Expected Generation Capacity <b>10 MW</b>	

## Section 1: Applicant Information

Form ID: 1537820

**1.1 Applicant Information (Owner of works/facility)**

Applicant Name (legal name of individual or organization as evidenced by legal documents) <b>Northland Power Solar McCann L.P.</b>		Business Identification Number <b>191194810</b>
Business Name (the name under which the entity is operating or trading - also referred to as trade name) <b>Northland Power Solar McCann L.P.</b>		<input checked="" type="checkbox"/> same as Applicant Name
Applicant Type: <input type="checkbox"/> Corporation <input type="checkbox"/> Federal Government <input type="checkbox"/> Individual <input type="checkbox"/> Municipal Government <input checked="" type="checkbox"/> Partnership <input type="checkbox"/> Provincial Government <input type="checkbox"/> Sole Proprietor <input type="checkbox"/> Other (describe):		North American Industry Classification System (NAICS) Code <b>221119 Other Electric Power Generation</b>
Business Activity Description (a description of the business endeavour, this may include products sold, services provided or machinery/equipment used, etc.) <b>Northland Power specializes in the development and operation of solar generating facilities</b>		


**1.2 Applicant Physical Address**

Civic Address- Street information (includes street number, name, type and direction) <b>30 St. Clair Avenue West</b>		Unit Identifier (i.e. apartment number) <b>12th Floor</b>	
Survey Address (Not required if Street Information is provided)	Lot	Conc.	Part      Reference Plan
Municipality /Unorganized Township <b>Toronto</b>	County/District	Province/State <b>Ontario</b>	Country <b>Canada</b> Postal Code <b>M4V 3A1</b>
Telephone Number (include area code & ext.) <b>(647)288-1273</b> ext.	Fax Number (include area code) <b>(416)962-6266</b>	Mobile Number (include area code)	E-mail Address <b>jim.mulvale@northlandpower.ca</b>

**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) <b>30 St. Clair Avenue West</b>	
Unit Identifier (i.e. apartment number) <b>17th Floor</b>	
Delivery Designator	Delivery Identifier      Postal Station
Municipality /Unorganized Township <b>Toronto</b>	Province/State <b>Ontario</b> Country <b>Canada</b> Postal Code <b>M4V 3A1</b>

**1.4 Statement of Applicant**

I, the undersigned hereby declare that, to the best of my knowledge:		
<ul style="list-style-type: none"> <li>• 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 <i>Environmental Protection Act</i>.</li> <li>• 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.</li> <li>• 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.</li> </ul>		
Name of Signing Authority (please print) <b>Jim Mulvale</b>	Title <b>Manager, EH&amp;S</b>	
Telephone Number (including area code & extension) <b>(647)288-1273</b> ext.	Fax Number (including area code) <b>(416)962-6266</b>	E-mail Address <b>jim.mulvale@northlandpower.ca</b>
Mobile Number (including area code) <b>(416)662-1437</b>	Signature 	Date (y/m/d) <b>2013/12/13</b>

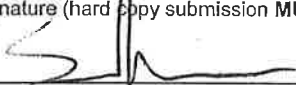


## Section 2: Project Information

### 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	5636-8RAM88		
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)	
2012/04/18		2013/07/27	

### 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			
<b>I, the undersigned hereby declare that, to the best of my knowledge:</b>			
<ul style="list-style-type: none"> <li>• 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>.</li> <li>• 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.</li> <li>• That the information contained in the electronically submitted application form is the same as the information submitted in the hard copy submission.</li> <li>• I have used the most recent application form (as obtained from the "publications" section of the Ministry of the Environment website at <a href="http://www.ene.gov.on.ca">www.ene.gov.on.ca</a> or from the Environmental Assessment and Approvals Branch at 1-800-461-6290).</li> </ul>			
Name of Project Technical Information Contact		Company	
Sean Male		Hatch	
Telephone Number <i>(include area code &amp; 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 – F2EE8ZF

**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: 40px; 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, sunlight 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)
878 McCann Road					
Survey Address <i>(Legal description of the site)</i>	Lot	Conc.	Part	Reference Plan	
	1	1	n/a	n/a	
Municipality / Unorganized Township	County/District		Postal Code		
Township of Rideau Lakes	United counties of leeds and grenville		K0G 1V0		
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 and located entirely on the property associated with the above address. UTM below is the location of the facility's main transformer.					
Geo Reference (southwest corner of property)					
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing
NAD83	18	+/- 5 m	GIS mapping	399149	4948484

**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		
Township of Rideau Lakes	1439 Country Road 8		(613)928-2251		224
Clerk's Name	Clerk's Phone/Fax		E-Mail Address		
Dianna Bresee	(613)928-3097		dianna@twprideaulakes.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					
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Name of Municipality	Address		Phone		
United Counties of Leeds and Grenville	25 Central Avenue West		(613)342-3840		2304
Clerk's Name	Clerk's Phone/Fax		E-Mail Address		
Lesley Todd	(613)342-2101		lesley.todd@uclg.on.ca		
Is the project location situated in a Local Roads Area?					
List all Local Roads Areas that the project location is situated in. Attach a separate list if more space is necessary					
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
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?					
List all Local Service Board areas the project location is situated in. Attach a separate list if more space is necessary					
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Name of Local Service Board	Address		Phone		
Secretary's Name	Secretary's Phone/Fax		E-Mail Address		

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

Site Name <b>McCann Solar Project</b>	MOE District Office Kingston 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	

