Suite 500, 4342 Queen Street
Niagara Falls, Ontario, Canada L2E 7J7
Tel. 905 374 5200 ◆ Fax: 905 374 1157 ◆ www.hatch.ca

February 22, 2013

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

Dear Mr. Parrott:

**Subject:** **Proposed Technical Changes**
**Renewable Energy Approval (No. 2318-8Q6PXQ)**
**Crosby Solar Project**

Northland Power Inc. is proposing to develop and operate a 10-megawatt (MW) solar photovoltaic facility located at 249 Little Rideau Lakes Road in the Township of Rideau Lakes, within the United Counties of Leeds and Grenville. This project is herein referred to as the "Crosby Solar Project" or the "Project".

The Ministry of the Environment (MOE) issued a Renewable Energy Approval (REA) for the Project (No. 2318-8Q6PXQ) on January 20, 2012. Since issuance of the approval, Northland Power has conducted detailed engineering and is proposing revisions to the site plan for the facility, specifically the location of the access road and the placement of Project fencing within the original leased boundary for the Project.

This letter 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.

## 1. Proposed Project Changes

The proposed changes are as follows:

- Locations of fencing have been revised to be located at the edge of the land leased for the Project. This has resulted in reductions in the extent of the Project location along the western, northwestern, and southeastern boundaries of the Project, and increases in the extent of the Project location in the northeastern boundary of the Project.
- The location of the access road has been revised such that it no longer enters off the southeastern corner of the site, and has moved north and is paired with the power line that connects the Project to the distribution line. This reduces the amount of access road required for the Project.

The revised site plan is provided in Attachment A.

In addition to the changes noted above, the Project construction schedule and commercial operation date (COD) have also been revised, compared to what was identified in the REA amendment application.

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 |
|---|---|---|---|---|---|
| Fencing Location | The fencing located in the northeast corner is moved outside of the original Project location | The site layout has been optimized with respect to energy generation, constructability and cost. | No altered effect following effective mitigation measures. | Yes – use of silt fencing and restriction on removal of water from footing placement of fence near Watercourse D (see Section 2.5) | No |
| | The fencing along the western, northwestern, and southeastern boundaries of the Project has been placed within the previously defined Project location. | The site layout has been optimized with respect to energy generation, constructability and cost. | Reduced Project footprint. | No | No |
| Access Road Location | Access road now parallels the distribution line connection point. | To minimize the Project footprint and provide access to connection line in case of maintenance requirements. | Minor reduction in the amount of non-provincially significant wetland. | Yes – use of silt fencing and installation of a culvert beneath roadway (see Section 2.6) | No |

Overall, the proposed Project changes have minor additional negative effects not addressed in the original REA reports, however mitigation measures have been identified to minimize the effect, and no significant residual effects are anticipated. Based on this, and through consultation with the MOE, the proposed changes are determined to be a Technical Amendment.

## 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

- Project Description Report
- Construction Plan Report
- Design and Operations Report
- Water Body Site Investigation
- Water Body Environmental Impact Study
- Natural Heritage Assessment.

As the changes are all occurring on the same property on which the Project is located, a number of the REA supporting documents do not require revisions as their study area considered the entire property and not just the Project location, including

- Decommissioning Plan Report
- Water Body Records Review Report
- Stage 1 and 2 Archaeological Assessments
- Heritage Resources and Protected Properties Assessment.

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 (with the changes completed in red 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 Project Description Report

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

**Table 2.1 Project Description Report Amendments**

| Page | Section | Original Text | Amended Text |
|---|---|---|---|
| 4 | 2.5.1 | A one-lane, 5-m wide access road will be constructed which will be of sufficient size for the transportation of equipment. | A one-lane, 7.6-m wide access road will be constructed which will be of sufficient size for the transportation of equipment. |
| 12 | n/a | Project Location Map | See attached revised Project Location Map (Attachment B). |

## 2.2 Construction Plan Report

Table 2.2 identifies the amendments to the Construction Plan Report as a result of the changes discussed in this letter.

**Table 2.2 Construction Plan Report Amendments**

| Page | Section | Original Text | Amended Text (November 2012) |
|---|---|---|---|
| 1 | 1.1 | The construction period is estimated to be approximately 12 months in duration, with Project commissioning anticipated near the end of 2011. | The construction period is estimated to be approximately 12 months in duration, with Project commissioning anticipated in early 2013. |

| Page | Section | Original Text | Amended Text (November 2012) |
|---|---|---|---|
| 6 | 2.1 | Table 2.1 – Project Timeline | Table 2.1 – Project Timeline – see below |
| 10 | 2.3.1.2 | The proposed leased land has both hedgerows and a small non significant woodland present on site. | The proposed leased land has both hedgerows, a small non significant woodland and a small non significant wetland present on site. |
| 10 | 2.3.1.3 | The construction of a new access road, approximately 250 m long, will be necessary to support construction activities and will provide access to the site during the operation phase of the Project. | The construction of a new access road, approximately 200 m long, will be necessary to support construction activities and will provide access to the site during the operation phase of the Project. |
| 10 | 2.3.1.3 | These will be approximately 5 m wide and will be designed as previously described. | These will be approximately 7.6 m wide and will be designed as previously described. |
| 15 | 3.5 | There will be some minor removal of natural vegetation required for the Project associated with the hedgerow crossing the Project location and non-significant woodland located on the Project. | There will be some minor removal of natural vegetation required for the Project associated with the hedgerow crossing the Project location, the removal of the non-significant woodland and small non-significant wetland located on the Project. |
| 21 | 4.5 | As was identified in Section 3.5, vegetation communities may be impacted by clearing of the hedgerows and the woodland, accidental spills or movement of dust off site. | As was identified in Section 3.5, vegetation communities may be impacted by clearing of the hedgerows, wetland and the woodland, accidental spills or movement of dust off site. |
| 21 | 4.5 | It is not possible to mitigate the impacts of clearing from the hedgerows or the woodland. In order to minimize potential losses from surrounding vegetation communities, areas where clearing is required will be well marked, and workers will be instructed not to enter areas of natural vegetation. In addition, cleared and grubbed materials will be piled away from the surrounding woodlands, and trees will be felled into cleared areas. There will be no vegetation loss from the wetland as no construction activities will occur on or within 30 m of the wetland. | It is not possible to mitigate the impacts of clearing from the hedgerows, wetland or the woodland. In order to minimize potential losses from surrounding vegetation communities, areas where clearing is required will be well marked, and workers will be instructed not to enter areas of natural vegetation. In addition, cleared and grubbed materials will be piled away from the surrounding woodlands, and trees will be felled into cleared areas. |
| 5 | Appendix A | Appendix A | See attached revised site plan (Attachment A). |

**Table 2.1 - Project Timelines**

| Activity | Approximate Timeline (2012/2013) | Duration (days) |
|---|---|---|
| Installation of Site Access Components | February 1, 2012 – February 15, 2013 | 380 |
| Safety and Security | February 1, 2012 – February 1, 2013 | 365 |
| Temporary Facilities | February 1, 2012 – February 1, 2013 | 365 |
| Site Preparation | February 1 – June 1 | 120 |
| Foundation | June 1 – Oct 1 | 120 |
| Structural Support | June 15 – Oct 15 | 120 |
| Solar Modules | July 1 – Nov 1 | 120 |
| Electrical Collection System | June 1, 2012 – February 1, 2013 | 270 |
| Reseeding | May 1 – May 30, 2013 | 30 |

## 2.3 Design and Operations Report

Table 2.3 identifies the amendments to the Design and Operations Report as a result of the changes discussed in this letter.

**Table 2.3 Design and Operations Report Amendments**

| Page | Section | Original Text | Amended Text |
|---|---|---|---|
| 5 | 1.1 | The construction period is estimated to be approximately 6 months in duration, with Project commissioning anticipated near the end of 2011. | The construction period is estimated to be approximately 6 months in duration, with Project commissioning anticipated in early 2013. |
| 7 | 3.1 | A 30-m setback from the average annual high water mark of three watercourses. One labelled Watercourse D is located in the northern portion of the Project location and two labelled Watercourse B and C are located to the southwest of the Project location. | a 30-m setback from the average annual high water mark of Watercourse B and C. A setback of 20-m from the average annual high water mark of Watercourse D to the proposed fence, other project components remain outside the 30-m setback. Watercourse D is located in the northern portion of the Project location and two labelled Watercourse B and C are located to the southwest of the Project location. |
| 7 | 3.2.1.2 | As outlined in the site plan, a new access road, approximately 250 m long, will be necessary to support construction activities and will provide access to the site during the operation phase of the Project. The proposed 5-m wide access road will have ditches, swales and culverts (where necessary) for proper stormwater runoff, site drainage and to minimize road and soil erosion.<br>In addition to the main access road, a number of smaller access roads will be constructed. These will be approximately 5 m wide within the leased area. | As outlined in the site plan, a new access road, approximately 200 m long, will be necessary to support construction activities and will provide access to the site during the operation phase of the Project. The proposed 7.6-m wide access road will have ditches, swales and culverts (where necessary) for proper stormwater runoff, site drainage and to minimize road and soil erosion.<br>In addition to the main access road, a number of smaller access roads will be constructed. These will be approximately 7.6 m wide within the leased area. |
| 19 | Appendix A | Original Site Plan | See attached revised site plan (Attachment A). |

## 2.4 Water Body Site Investigation

Table 2.4 identifies the amendments to the Water Body Site Investigation Report as a result of the changes discussed in this letter.

**Table 2.4 Water Body Site Investigation Report Amendments**

| Page | Section | Original Text | Amended Text |
|---|---|---|---|
| 10 | 4.1.2 | As shown in Figure 4.1, the Project footprint boundary is between 30 and 120 m from the average annual high water mark. Therefore, an EIS will be required to assess the potential for adverse effects and mitigation measures required to prevent/ minimize these adverse effects. | As shown in Figure 4.1, the Project footprint boundary is 20 m from the average annual high water mark. Therefore, an EIS will be required to assess the potential for adverse effects and mitigation measures required to prevent/minimize these adverse effects. |
| 12 | 4.1.4 | The proposed development area will occur within 30 to 120 m of the average annual high water mark of Watercourse D (Figure 4.1), therefore, an EIS will be required to assess potential adverse effects and mitigation and monitoring measures. | The proposed development area will occur within 20 m of the average annual high water mark of Watercourse D (Figure 4.1), therefore, an EIS will be required to assess potential adverse effects and mitigation and monitoring measures. |
| 7 | Figure 4.1 | Original Water Bodies and Project Boundaries | See attached revised Figure 4.1 (Attachment C). |

## 2.5 Water Body Environmental Impact Study

Table 2.5 identifies the amendments to the Water Body Environmental Impact Study Report as a result of the changes discussed in this letter.

**Table 2.5 Water Body Environmental Impact Study Report Amendments**

| Page | Section | Original Text | Amended Text |
|---|---|---|---|
| 9 | 1.1.3 | This EIS has been prepared to address these requirements for the construction of Project components between 30 and 120 m from the waterbodies noted in the following section. | This EIS has been prepared to address these requirements for the construction of Project components between 20 and 120 m from the waterbodies noted in the following section. |
| 9 | 1.3 | The Water Body Records Review Report (Hatch Ltd., 2010a) and Water Body Site Investigations Report (Hatch Ltd., 2010b) confirmed that the Project will be constructed between 30 and 120 m away from unnamed Watercourses B, C and D as shown in Figure 1.1 | The Water Body Records Review Report (Hatch Ltd., 2010a) and Water Body Site Investigations Report (Hatch Ltd., 2010b) confirmed that the Project will be constructed between 20 and 120 m away from unnamed Watercourses B, C and D as shown in Figure 1.1 (Attachment C). |
| 15 | 4.1.2.1 | n/a | The addition of the fence within the 30 m buffer for Watercourse D is not anticipated to impact surface water drainage. The passage of water will continue, with no significant drainage changes. |

| Page | Section | Original Text | Amended Text |
|---|---|---|---|
| 16 | 4.1.2.3 | n/a | The addition of the fence within the 30 m buffer of Watercourse D is not anticipated to impact vegetation communities. Vegetation will be allowed to grow on either side of the fence. |
| 18 | 4.2.1.1 | • Sediment control fencing may be installed along the periphery of the Project site where there is the potential for sedimentation off site and at the edge of the 30-m buffer area adjacent to the watercourses on the Project site as one of the first construction activities. These silt fence barriers should remain in place until construction is complete and site vegetation, and other long-term protection measures, are stabilized and adequate to prevent further erosion. | • Sediment control fencing may be installed along the periphery of the Project site where there is the potential for sedimentation off site and at the edge of the 30-m buffer area adjacent to the Watercourses C and B on the Project site as one of the first construction activities. Additionally, silt fencing will be installed prior to the construction of the proposed fence located within 20 m of the average annual high water mark of Watercourse D. These silt fence barriers should remain in place until construction is complete and site vegetation, and other long-term protection measures, are stabilized and adequate to prevent further erosion. |
| 21 | 4.2.1.4 | Although the use of concrete during Project construction is relatively limited and will not occur within 30 m of any water body, mitigation measures are proposed to prevent negative effects. | Although the use of concrete during Project construction is relatively limited and will not occur within 20 m of the high water level of Watercourse D, mitigation measures are proposed to prevent negative effects. |
| 21 | 4.2.1.4 | n/a | Further, any water material generated from the footing installation for the fencing located within 20 m of Watercourse D will be removed outside the 30 m buffer area. |
| 25 | 4.4 | Aquatic biota (e.g., fish and benthic invertebrates) and their habitat in the watercourses on and adjacent to the Project site will not be directly affected by any Project component, since no activities will occur within 30 m of the average annual high water mark of the watercourses and in some cases, this buffer width may be substantially greater. | Aquatic biota (e.g., fish and benthic invertebrates) and their habitat in the watercourses on and adjacent to the Project site will not be directly affected by any Project component, since no activities will occur within 20 m of the average annual high water mark of the Watercourse D and 30 m for Watercourses B and C and in some cases, this buffer width may be substantially greater. |
| 26 | 7 | As discussed in the Water Body Records Review Report (Hatch Ltd., 2010a) and Water Body Site Investigation Report (Hatch Ltd., 2010b), some components of the Project will be located within 30 to 120 m of Watercourses B, C and D. | As discussed in the Water Body Records Review Report (Hatch Ltd., 2010a) and Water Body Site Investigation Report (Hatch Ltd., 2010b), some components of the Project will be located within 30 to 120 m of Watercourses B and C, while fencing is proposed within 20 m of Watercourse D. |
| 19 | Appendix A | Original Site Plan | See attached revised site plan (Attachment A). |

## 2.6 Natural Heritage Assessment

A letter, dated January 31, 2013, was provided to the Ontario Ministry of Natural Resources (MNR) that details the required amendments to the Natural Heritage Assessment Reports associated with the Project. This amendment letter noted that there were no impacts to significant natural features not previously assessed, and the changes in the Project location did not result in the identification of any previously unidentified natural features. The MNR provided their confirmation letter for this report on February 8, 2013. The letter to MNR and MNR reconfirmation letter are provided as Attachment D

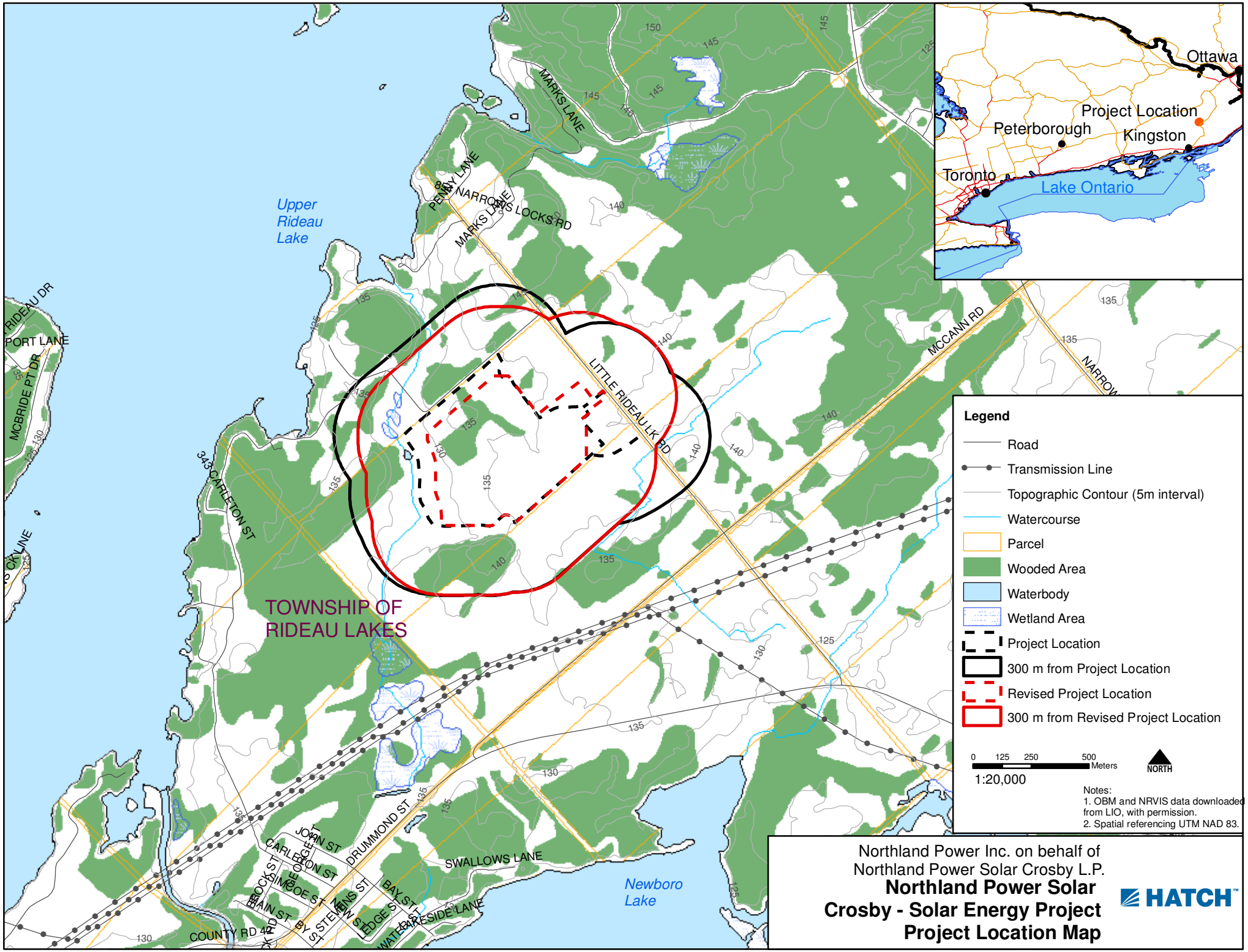
As described previously, this amendment has been determined to be a Technical Amendment. Accordingly, we have notified via letter on February 21, 2013, the public, Aboriginal communities, and the municipalities about these proposed changes. A sample notification and the mailing list used to distribute this notice are provided in Attachment E.

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

# Attachment A
## Revised Project Location Figure

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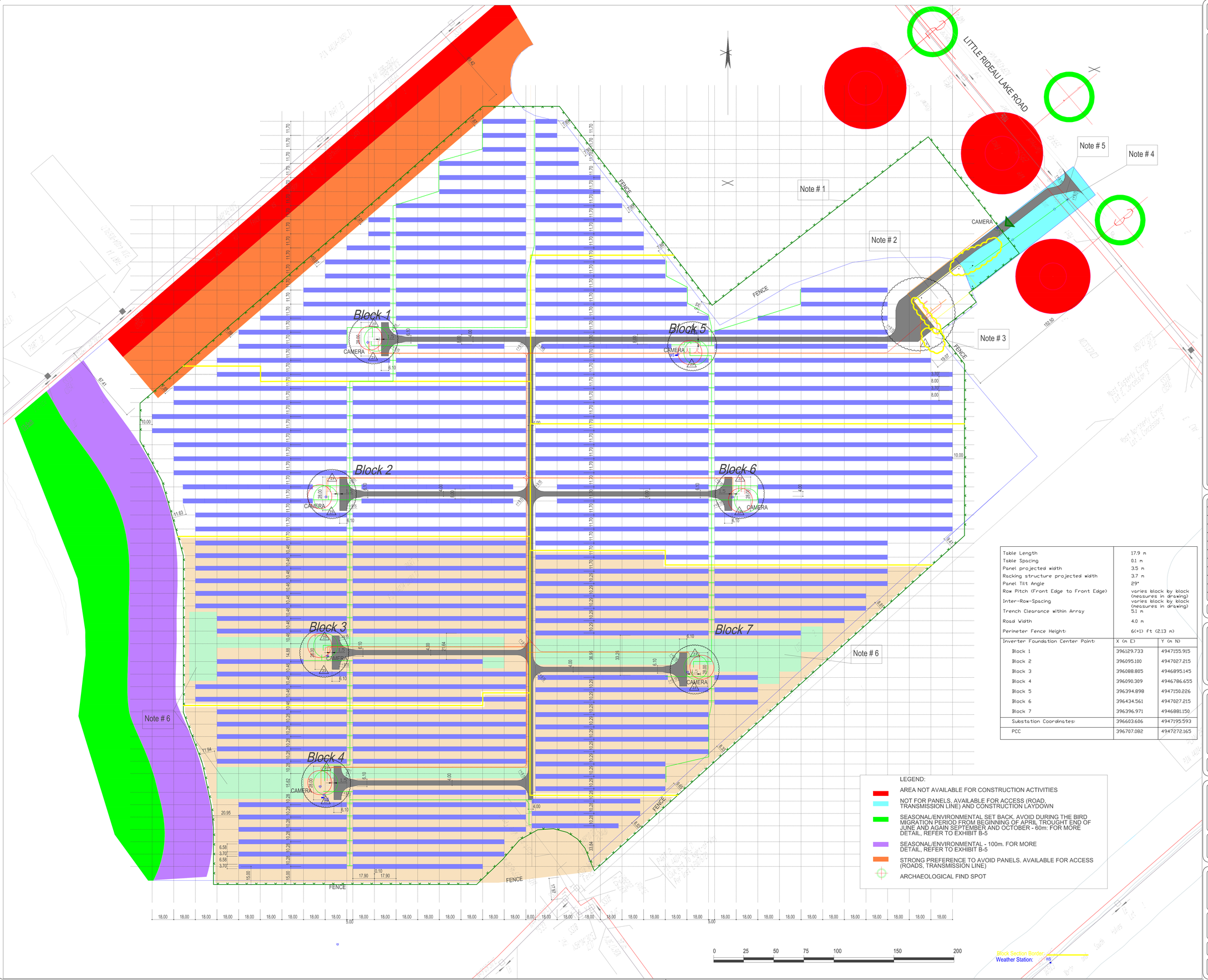
# Attachment B

## Revised Site Plan






Notes

1. Fencing will be done as per drawing NPI-P040314-CR-C1-0300
2. Substation Building and Switchyard details are shown in drawing 1219E02.
3. Maintenance Building details are shown in drawing NPI-P040314_CR-ST-0208.
4. Overhead high voltage line and PCC details are shown in the Substation overall site layout plan 1219E01.
5. Metering pole position and details are shown in the Substation and switchyard details drawing (see Note # 2)
6. Possible number of additional tables:

   Block 3 = 16 tables
   Block 4 = 14 tables
   Block 7 = 24 tables

   The space to be kept clear is highligthed in the affected blocks. The pitch space for the future rows is identical as for the ones already shown in this drawing (measures in drawing) and will be kept unaffected.
7. Trenching details are shown in EL-0001. Weather Station details are shown in EL-1600.

REFERENCES:

- SUBSTATION DETAILS SEE DRAWINGS 1215C01-1 AND 1215C04-C04-S1-0 (CHIMAX Inc.) (LATEST VERSION)
- INVERTER'S DETAILS SEE DRAWING NPI-P040314-CR-ST-0200-01 (LATEST VERSION)

| REV. | Y-M-D DATE | DESCRIPTION | Prepared By | Checked By |
|---|---|---|---|---|
| 23 | 12-11-28 | GENERAL REVISION | HC | DD |
| 22 | 12-08-16 | ISSUED FOR CONSTRUCTION, IFC | WM | DD |
| 21 | 12-06-20 | ISSUED FOR OWNER'S REVIEW, IOR | MR | SCS |
| 20 | 12-06-11 | ISSUED FOR OWNER'S REVIEW, IOR | MR | SCS |
| 19 | 12-05-31 | ISSUED FOR OWNER'S REVIEW, IOR | MR | SCS |

ISSUES / REVISIONS

ALL DIMENSIONS MUST BE TAKEN AND CHECKED BEFORE BEGINNING THE WORKS

Seal

Customer

MIWEL Construction — NORTHLAND POWER

CUSTOMER ADDR.

Customer's references

Project

**NORTHLAND POWER PORTFOLIO OF SOLAR PARKS**

**CROSBY 10MW**

Title

**SITE PLAN**

MIWEL Construction

| | | | |
|---|---|---|---|
| Prepared | M. Riedel | Discipline | ELECTRICAL |
| Drawn | M. Riedel | Scale | 1:1000 |
| Checked | S. Schaller | Date | 2012-01-25 |
| Project manager | S. Schaller | Sequence no. | 01 |

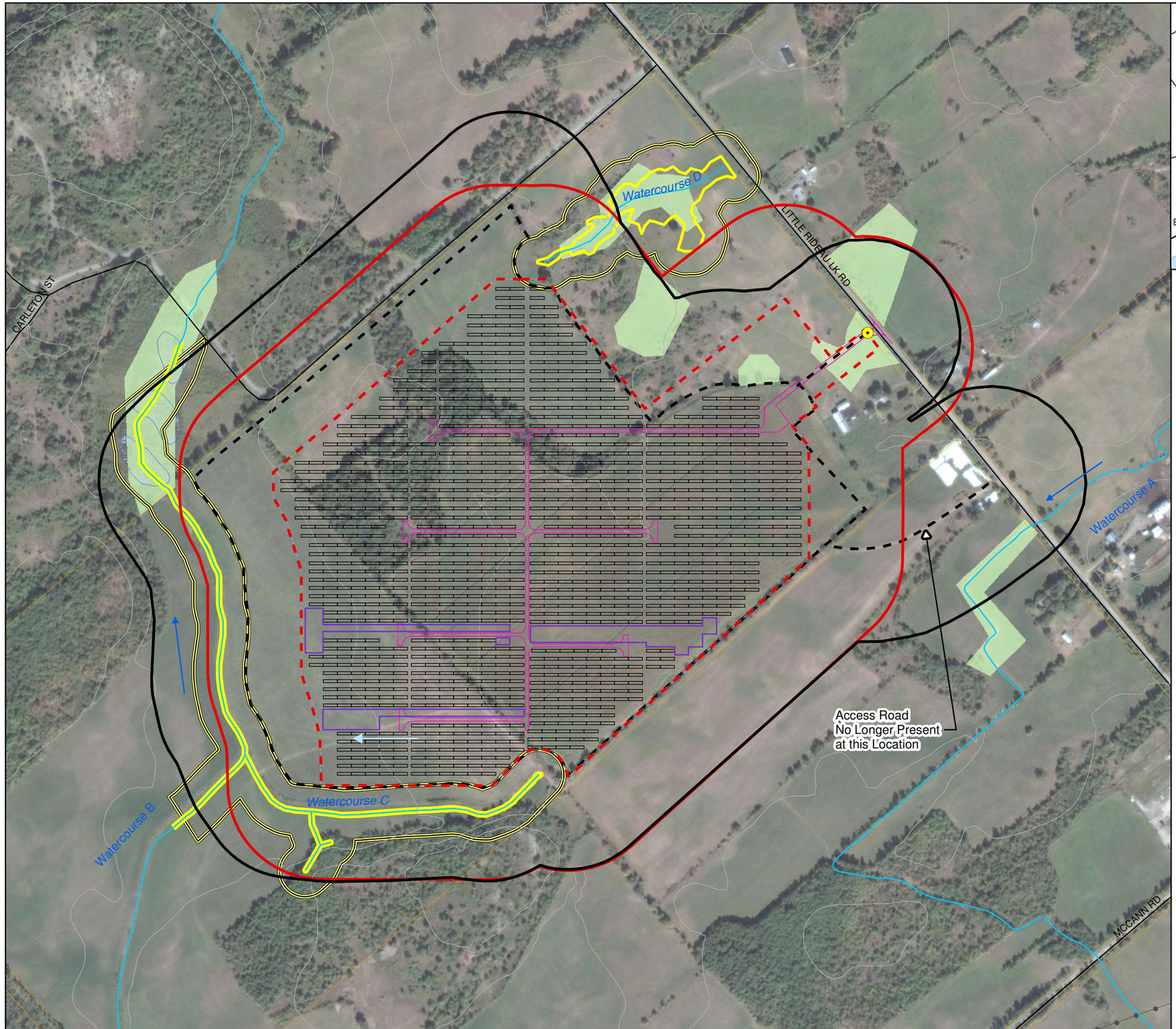
| M. dept. | Project | | Site | Disc. | Drawing no. | Rev. |
|---|---|---|---|---|---|---|
| NPI | P040314 | | CR | CI | 1500 | 23 |

| M. dept. | Project | | Site | Disc. | Drawing no. | Rev. |
|---|---|---|---|---|---|---|
| NPI | P040314 | | CR | CI | 1500 | 23 |

SHEET A0

# Attachment C

## Revised Water Body Figure





**Legend**

- Roads
- Transmission Line
- Topographic Contour (5m interval)
- Watercourse
- Average Annual High Water Mark
- 30m Setback From High Water Mark
- Parcels
- Wetland
- Evaluated Non-Provincially Significant Wetland

**Project Components**

- Connection Point With Distribution Line
- Project Location
- 120m from Project Location
- Revised Project Location
- 120 m from Revised Project Location
- Access Road
- Solar Panel
- Optional
- Fence

Notes:
1.OBM and NRVIS data downloaded from LIO, with permission.
2. Spatial referencing UTM NAD 83.
3. Satellite imagery from Google Earth Pro

0 50 100 200 Metres
1:5,000

NORTH

Figure 4.1
Northland Power Inc.
**Crosby Solar Energy Project**
**Water Body and Project Boundaries**

HATCH™

P:\NORTHLAND\333751\DATABASES\334844\GIS\Crosby\Crosby - waterInvestigation.mxd

# Attachment D

## Letter to MNR re Natural Heritage Assessment and MNR Reconfirmation Letter

HATCH™

Project Memo

H334844

January 31, 2013

To: Amy Cameron
Ontario Ministry of Natural Resources

From: Sean K. Male, M.Sc.
Environmental Coordinator

cc: Jon Arkell, Northland Power
Jim Mulvale, Northland Power

# Northland Power Solar Crosby L.P.
# Crosby Solar Project

## Natural Heritage Assessment and Environmental Impact Study - Revisions to Project Layout

## 1. Introduction

Northland Power Inc. is proposing to develop and operate a 10-megawatt (MW) solar photovoltaic (Solar PV) facility, on an approximately 52-hectares (ha) parcel of land, located at 249 Little Rideau Lake Road in the Township of Rideau Lakes, within the United Counties of Leeds and Grenville; herein referred to as “Crosby Solar Project” or the “Project”.

The Natural Heritage Assessment (NHA) and Environmental Impact Study (EIS) completed in accordance with Ontario Regulation 359/09 received confirmation from the Kemptville District of the Ontario Ministry of Natural Resources (MNR) on December 20, 2010. The Ministry of the Environment (MOE) later issued a Renewable Energy Approval (REA) for the Project (No. 2318-8Q6PXQ) on January 20, 2012.

Since completion of the issuance of the NHA and EIS reports, as well as receiving the REA approval, Northland Power has conducted detailed engineering and is proposing revisions to the site plan for the facility, specifically the location of the access road and placement of the fence in the northeast portion of the Project. These changes are described further below.

## 2. Proposed Changes

A revised site plan is provided in Attachment A. Specifically, there have been two modifications to the proposed layout:

- Locations of fencing have been revised to be located at the edge of the land leased for the Project. This has resulted in reductions in the extent of the Project location along the western, northwestern, and southeastern boundaries of the Project, and increases in the extent of the Project location in the northeastern boundary of the Project.
- The location of the access road has been revised such that it no longer enters off the southeastern corner of the site, and has moved north and is paired with the power line

that connects the Project to the distribution line. This reduces the amount of access road required for the Project.

There have been no changes to the locations of inverter clusters or the transformer substation.

Though locations of solar panels within the site plan may have changed from those identified previously, locations remain within the previously assessed area of potential solar panels and therefore this ultimately has no impact on the previous assessment.

## 3. Potential Impacts to Natural Heritage Features

The addition of land to the Project has not resulted in identification of any previously unidentified candidate significant natural heritage features on or within 120 m of the Project location.

The revisions to the location of the fencing and the access road beyond the previously assessed Project boundary will not result in any previously unidentified impacts to significant natural heritage features.

The currently proposed location of the access road will require construction within a non-provincially significant wetland, as assessed within the Natural Heritage Evaluation of Significance report for the Crosby Solar Project (Hatch, 2011). As this feature is not provincially significant, this change does not require assessment within the Environmental Impact Study for the Project, and no mitigation measures are required.

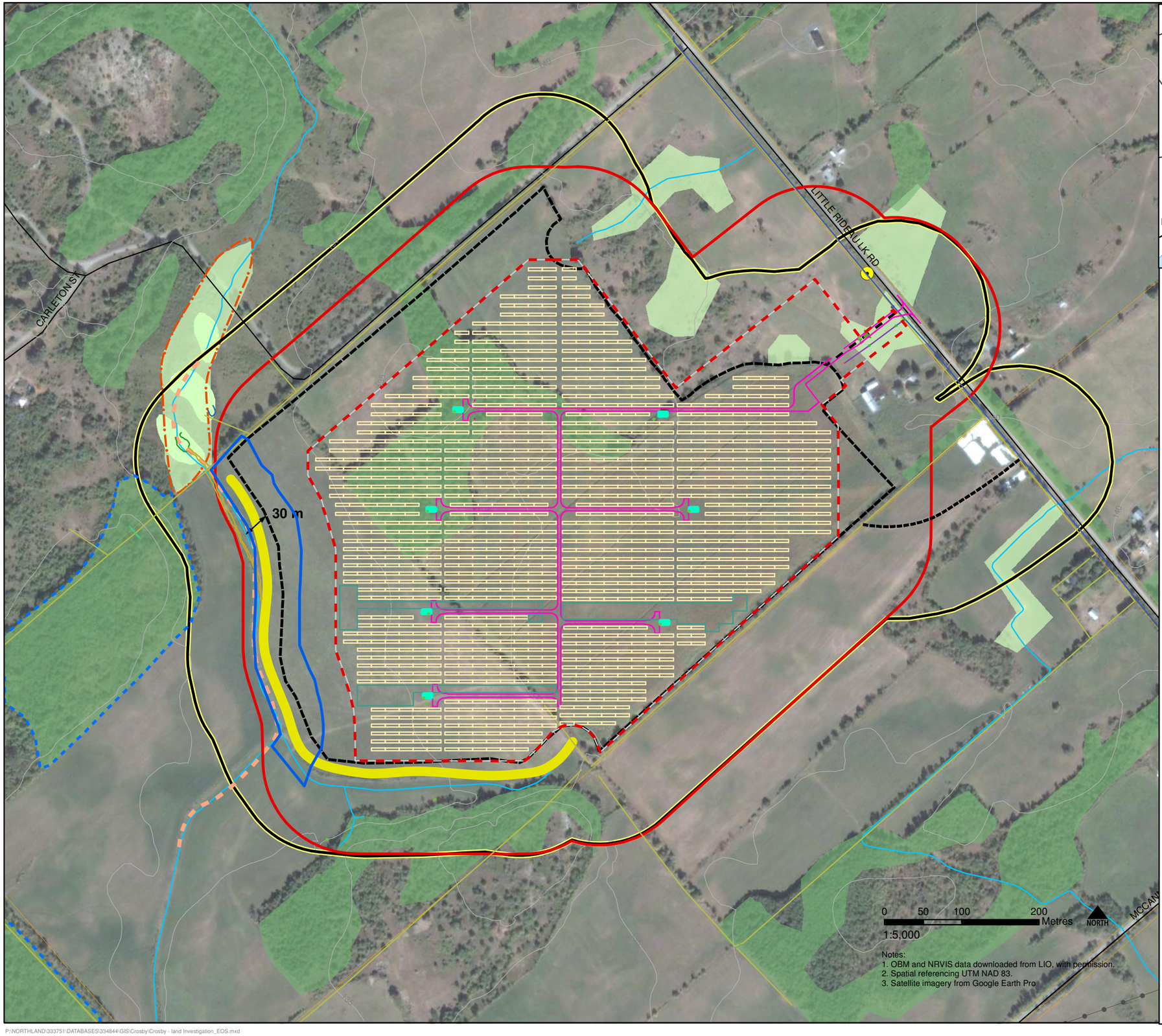
However, Northland will use best management practices during construction within the wetland community in order to minimize potential impacts. This will include delineation of work areas for the access road, use of sediment and erosion controls, such as silt fencing, during construction of the road, and installation of a 50-cm diameter culvert within the access road to maintain hydraulic connectivity between portions of the wetland.

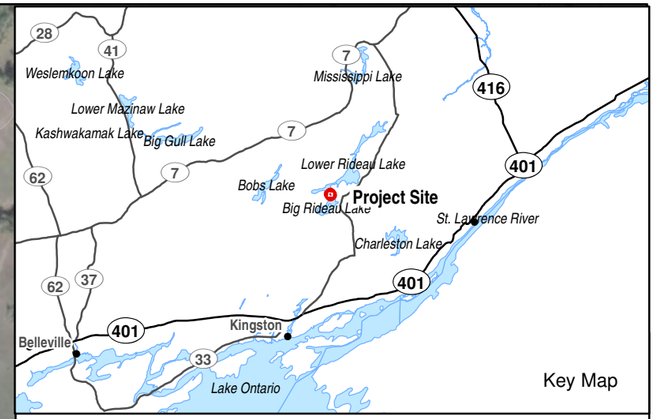
If you have any questions or comments on the above, please do not hesitate to contact me at 905-374-0701x5280 or smale@hatch.ca.

Sean K. Male, M.Sc.

Environmental Coordinator

Attachment: Crosby Solar Project – Revised Site Plan




**Legend**

- Topographic Contour (5m interval)
- Transmission Line
- Roads
- Watercourse
- Parcels
- Woodland
- Wetland

**Significant Natural Heritage Features**

- Significant Woodland

*Significant Wildlife Habitat*

- Animal Movement Corridor (Semi-aquatic)
- Bullfrog Concentration Area/American Bullfrog Habitat
- Milksnake Habitat

**Project Components**

- Revised Project Location
- 120 m from Revised Project Location
- Connection Point With Distribution Line
- 120m from Project Location
- Project Location
- Annual Vegetation Management Zone (Operations)
- 60m Buffer from Animal Movement Corridor (Semi-Aquatic)/Bullfrog Habitat (Construction)
- Solar Panel
- Inverter
- Access Road
- Fence

Figure 1.1
Northland Power Inc.

**Crosby Solar Energy Project**
**Project Components and Significant Natural Heritage Features**

HATCH™

P:\NORTHLAND\333751\DATABASES\334844\GIS\Crosby\Crosby - land Investigation_EOS.mxd

**Ministry of**
**Natural Resources**
Renewable Energy Operations Team
300 Water Street
4th Floor, South Tower
Peterborough, Ontario K9J 8M5

**Ministère des**
**Richesses naturelles**

Ontario

February 8, 2013

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

**RE: Modifications to Crosby Solar Project**

Dear Sean Male:

The Ministry of Natural Resources (MNR) has received the memo dated January 31, 2013 that describes modifications to the Crosby Solar Project location made subsequent to MNR's letter confirming the Natural Heritage Assessment in respect of the project.

Upon review of the modifications, MNR is satisfied that the Natural Heritage Assessment requirements of Ontario Regulation 359/09 have been met. Please add this letter as an addendum to the confirmation letter issued December 20, 2010 for the Crosby Solar Project.

If you wish to discuss any part of this letter, please contact Jim Beal at Jim.Beal@Ontario.ca or 705-755-3203.

Sincerely,

Sharon Rew
A/Planning Manager
Southern Region MNR

cc Jim Beal, Southern Region Renewable Energy Coordinator, MNR
Amy Cameron, Renewable Energy Planning Ecologist, MNR
Ken Durst, Kemptville District Manager, MNR
Narren Santos, Environmental Approvals Access & Service Integration Branch, MOE
Zeljko Romic, Environmental Approvals Access & Service Integration Branch, MOE

# Attachment E
## Stakeholder Notification

Suite 500, 4342 Queen Street
Niagara Falls, Ontario, Canada L2E 7J7
Tel. 905 374 5200 ◆ Fax: 905 374 1157 ◆ www.hatch.ca

February 21, 2013

Addressee
Company
Full Address

Dear

**Subject: Crosby Solar Project -**
**Notice of Project Change**

As you are aware, Northland Power Solar Crosby L.P. is currently constructing a solar project within the Township of Rideau Lakes. The proposed project is named the Crosby Solar Project and will have an installed nominal capacity of 10 MW upon completion. In accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09, Northland Power Solar Crosby L.P. applied to the Ontario Ministry of the Environment (MOE) for a Renewable Energy Approval (REA). REA Number 2318-8Q6PXQ was issued on January 20, 2012.

This notice is provided to make you aware that Northland Power Solar Crosby L.P. is applying to the MOE for an amendment to the REA. This amendment is being made as the location of the fencing in the northeast corner of the Project has been changed outside of the original Project location, though within the leased boundary. As well, the location of the access road entrance to the Project location has been modified. These changes are shown in the attached figure. These changes are minor in nature and are not expected to have an impact on significant natural features or waterbodies.

In addition, details of any associated changes to the REA supporting documents is available on the Project website at: http://crosby.northlandpower.ca/

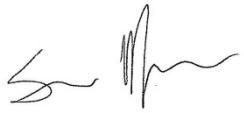
Your comments, queries or information relevant to the proposed Project changes would be greatly appreciated.

Addressee
Company
February 21, 2013

Correspondence should be directed to:

Sean Male, Environmental Coordinator
Hatch Ltd.
4342 Queen St., Suite 500
Niagara Falls, ON, L2E 7J7
Phone: 905-374-0701, Ext 5280
Fax: 905-374-1157
Email: smale@hatch.ca

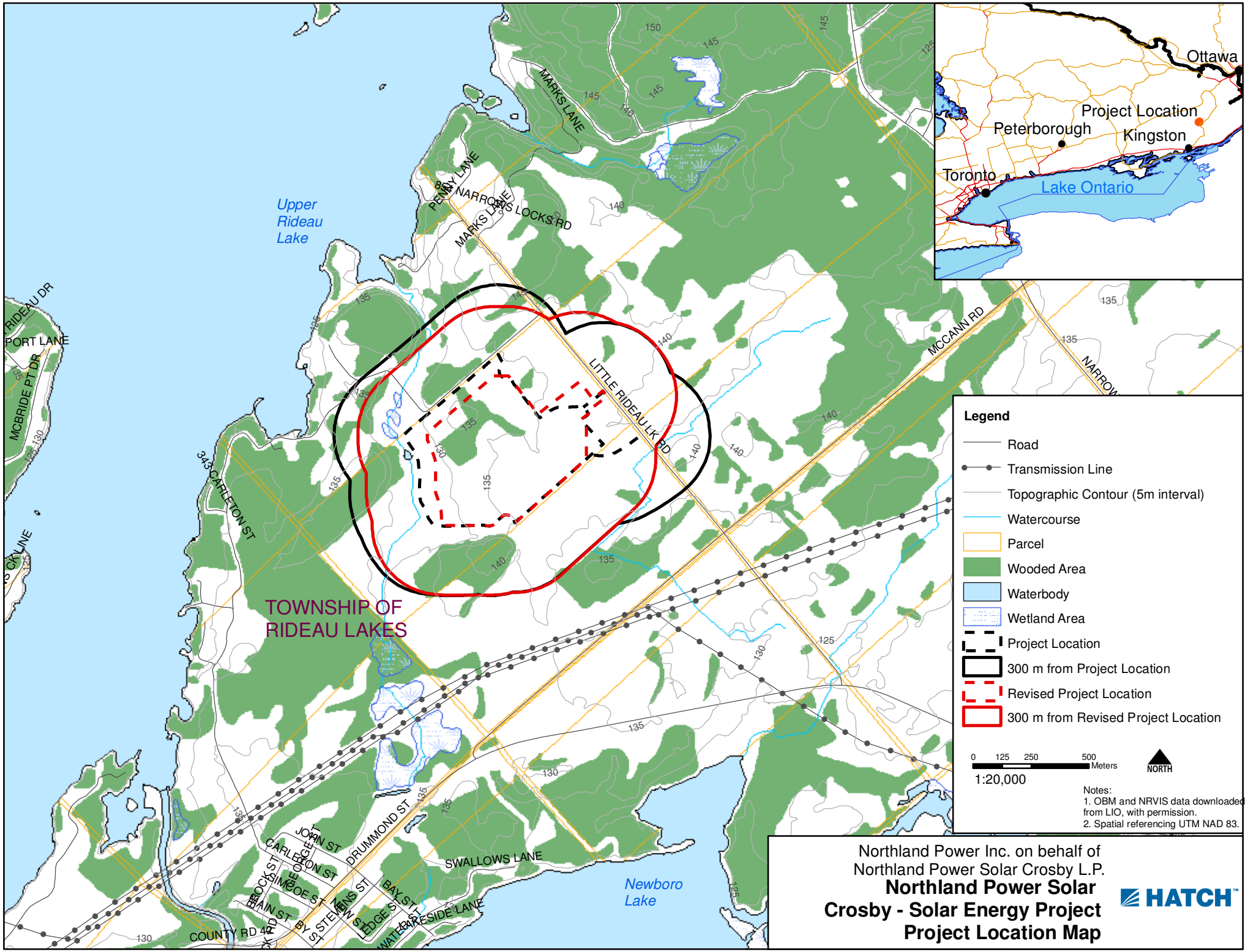
Yours faithfully,



Sean Male
SM:mg
Attachment(s)/Enclosure
Draft Revised Project Boundary



Safety ● Quality ● Sustainability ● Innovation




Northland Power Inc. on behalf of
Northland Power Solar Crosby L.P.

# Northland Power Solar Crosby - Solar Energy Project

## Project Location Map

HATCH

CC-P:\NORTHLAND\333751\DATABASES\GIS\Solar_Sites\Crosby 8.5X11.mxd

| Property Owner: Name | Address (Including PO Box) | City | Province | Postal Code |
|---|---|---|---|---|
| Goldie Clemenhagen | 307 Little Rideau Lake Rd. | Portland | ON | K0G 1V0 |
| Todd Wright | RR 1 | Portland | ON | K0G 1V0 |
| Terrence and Joan Wright | 373 Little Rideau Lake Rd. | Portland | ON | K0G 1V0 |
| Anne Gillespie | 71 Metropole PVT | Ottawa | ON | K1Z 1E7 |
| Propane MacDonald's | PO Box 23 | Newboro | ON | K0G 1P0 |
| William Brus | 249 Little Rideau Lake Rd. | Portland | ON | K0G 1V0 |
| Ceri Lovell | 248 Little Rideau Lake Rd. | Portland | ON | K0G 1V0 |
| Ronald Bresee | 54 McCann Rd. | Portland | ON | K0G 1V0 |
| Eric Stoness | PO Box 59 | Westport | ON | K0G 1X0 |
| Joan Flegg | 4457 Bittersweet PL | Gloucester | ON | K1V 1R9 |
| Reginald Scully | 422 Little Rideau Lake Rd. Unit 206 | Portland | ON | K0G 1V0 |
| William Armstrong | PO Box 488 | Winchester | ON | K0C 2K0 |
| William John Martin Brus | 316 L Rideau Lake Rd. | Portland | ON | K0G 1V0 |
| Homeowner | 360 Narrows Lock Rd. | Portland | ON | K0G 1V0 |
| Harry and Linda Barker | 711 Narrows Locks Rd. | Portland | ON | K0G 1V0 |
| Dianna Bresee, Clerk | 1439 County Road 8 | Delta | On | K0E 1G0 |
| Sheldon Laidman, Manager of Development Services, Township of Rideau Lakes | 1439 County Road 8 | Delta | On | K0E 1G0 |
| Lesley Todd, Clerk, United Counties of Leeds and Grenville | 25 Central Avenue West, Suite 100 | Brockville | Ontario | K6V 4N6 |
| Les Shepherd, Director of Works, Planning Services and Asset Management, United Counties of Leeds and Grenville | 25 Central Avenue West, Suite 100 | Brockville | Ontario | K6V 4N6 |
| Trevor Dagilis, Ministry of the Environment, District Manager, Kingston District Office | 1259 Gardiners Road, PO Box 22032 | Kingston | Ontario | K7M 8S5 |
| Roy and Eva Denison | 8118 42 Hwy, RR 1 | Portland | Ontario | K0G 1V0 |
| Frank Chaikowsky | 42 Penny Lane | Portland | Ontario | K0G 1V0 |
| Rob and Francis MacDonald | Box 23, 6 Stevens | Newboro | Ontario | K0G 1P0 |
| Burt Mattice | 317 Narrow Locks Rd, RR 1 | Portland | Ontario | K0G 1V0 |
| Howard F Wallace | 111 - 549 Little Rideau Lake Rd | Portland | Ontario | K0G 1V0 |
| Sue Brus | RR 1 | Portland | Ontario | K0G 1V0 |
| Roy Mattice | RR 1 | Portland | Ontario | K0G 1V0 |
| Pete Myers | RR 1 | Portland | Ontario | K0G 1V0 |
| Ryan Flatters | 284 McCann Road | Portland | Ontario | K0G 1V0 |

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|---|---|---|---|---|
| Anne and Tom Carter | 109-422 Little Rideau Lake Rd, RR 1 | Portland | Ontario | K0G 1V0 |
| Ellis Stevenson | 133 Holton | Delta | Ontario | K0G 1E0 |
| James and Joan Oesch | 1587 Chaffey's Lock, RR 1 | Elgin | Ontario | K0G 1E0 |
| Dave Bianzi | 1 Blockhouse Lane, Box 212 | Newboro | Ontario | K0G 1P0 |
| Herb Carr | 393 Narrow Locks Rd | Portland | Ontario | K0G 1V0 |
| Jim Stedman | 309 Crosby, RR 1 | Eglin | Ontario | K0G 1E0 |
| Keith Mosher | 10 Tett Circle, RR 2 | Westport | Ontario | K0G 1X0 |
| Ruth Vogel | RR 2 | Portland | Ontario | K0G 1V0 |
| John Kelk | RR 2 | Elgin | Ontario | K0G 1E0 |
| Wendy and Ron Stewart | Upper Rideau Lake Association, PO Box 217 | Westport | Ontario | K0G 1X0 |
| Jane Pickard | 4955 McCann Road, RR 1 | Portland | Ontario | K0G 1V0 |
| M Brand | RR 2 | Westport | Ontario | K0G 1X0 |
| Brian and Jocelyne Lalonde | RR 1 | Portland | Ontario | K0G 1V0 |
| John Brus | RR 2 | Westport | Ontario | K0G 1X0 |
| Director, Ministry of the Environment, Environmental Assessment and Approvals Branch | 2 St. Clair Ave., W, 12A Floor | Toronto | On | M4V 1L5 |
| Brad Gibson | 2100 Portland Rd. | Elgin | On | K0G 1E0 |
| Stephen Ball | 123 Mill Creek Dr. | Delta | ON | K0E 1G0 |
| John Hall | 119 Narrows Lock Rd. | Crosby | ON | K0G 1V0 |
| Michael and Martha Baird | 422 Little Rideau Lakes Rd., #208 | Portland | On | K0G 1V0 |
| Anders Carson | RR#2 | Portland | ON | K0G 1V0 |
| Jayne MacDonald and Tim Nash | 79 Port St. Mark | Kingston | ON | K7K 6X9 |
| Nicole Halladay | 758 McCann Rd. | Portland | ON | K0G 1V0 |
| Dave Heagle | 11 Carleton | Newboro | ON | K0G 1P0 |
| Bob Lavoie | 20 Upper Rideau | Westport | ON | K0G 1X0 |
| Joan Wright | 373 Little Rideau Lake Road; RR1 | Portland | ON | K0G 1V0 |
| Megan and Jeannette Kenny | 9477 Perth Rd. | Westport | ON | K0G 1X0 |
| Helmut Mueller | 3928 Horace Dr. | Portland | ON | K0G 1V0 |
| Robert Taylor | 11 Gamble Sly Road | California | ON | K0G 1E0 |
| To Whom it May Concern | The Algonquin's of Ontario Consultation Office | 31 Riverside Drive | Pembroke, | K8A 1N5 |
| Chief and Council | Alderville First Nation | PO Box 46 | Roseneath | K0K 2X0 |
| Chief and Council | Hiawatha First Nation | RR 2 | Keene, On | K0L 2G0 |
| Chief and Council | Curve Lake First Nation | General Delivery | Curve Lake | K0L 1R0 |
| Chief and Council | Kawartha Nishnawbe First Nation | PO Box 1432 | Lakefield, On | K0L 2H0 |

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|---|---|---|---|---|
| Chief and Council | Ottawa Regional Métis Council | 1938 Ranchwood Way | Ottawa, ON | K1C 7K7 |
| Consultation Unit | Metis Nation of Ontario | 500 Old St.Patrick St, Unit 3 | Ottawa, ON | K1N 9G4 |
| To Whom it May Concern | Riduea Valley Conservation Authority | PO Box 599, 3889 Rideau Valley Drive, | Manotick, Ontario | K4M 1A5 |