Appendix F
Correspondence with Agencies

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Rideau Canal
National Historic Site
parkscanada.gc.ca

Lieu historique national
du Canal-Rideau
parcscanada.gc.ca

Rideau Canal
National Historic Site of Canada
34 Beckwith Street South
Smiths Falls, ON K7A 2A8

September 28, 2010

Attention: Kimberley Arnold, Manager
Environmental Services and Renewable Power
Hatch
4342 Queen Street, Suite 500
Niagara Falls, Ontario, Canada
L2E 7J7

Subject: Northland Power Inc Solar Projects – Crosby, McCann, Rideau Lakes

Dear Ms Arnold:

Thank you for providing Parks Canada with further information regarding the three proposed solar projects, Crosby, McCann and Rideau Lakes, located 0.5km, 1.5km and 1.9km (resp.) from the Rideau Canal.

As you know, the Rideau Canal National Historic Site of Canada, a Canadian Heritage River and a UNESCO World Heritage Site, is administered by Parks Canada to preserve the cultural, natural and scenic values so that all Canadians can enjoy this legacy into the future. All parties have a responsibility to ensure the stewardship and conservation of this internationally recognized waterway. Our comments are offered in the spirit of producing a result that will protect the Rideau Canal and its unique historical setting.

The projects' descriptions, photographs and mapping served to provide a better understanding of the scope, location and impact of the proposed solar projects, and allowed us to make an informed decision. Following a review of the submissions, Parks Canada is satisfied that there will be no negative impacts on the cultural heritage values and viewscape of the Rideau Canal.

If you have any questions on the above, please feel free to contact me.

Best Regards,

Don Marrin
Superintendent

McRae, Elizabeth

From: Coughlin, Caleb
Sent: Wednesday, July 07, 2010 1:14 PM
To: Male, Sean
Subject: FW: Written Property Inquiry - Narrows Lock Road
Attachments: Hatch.pdf; Hatch - Narrows Lock Road.pdf

here you go

From: Jason Messenger [mailto:jmessenger@cataraquiregion.on.ca]
Sent: Wed 30/06/2010 4:01 PM
To: Coughlin, Caleb
Subject: Written Property Inquiry - Narrows Lock Road

Hello Mr. Coughlin,

Attached is our written property assessment, along with a pdf of our aerial photography, as requested. I trust this is the information you required. If you have any questions please do not hesitate to give me a call.

Thank you,

***Jason Messenger**, B.Sc.*
Development Technician

Cataraqui Region Conservation Authority
PO Box 160, 1641 Perth Road
Glenburnie, ON K0H 1S0
Phone: (613) 546-4228 ext 286
Toll Free: (877)956-2722
Fax: (613) 547-6474
www.cataraquiregion.on.ca

Property Inquiry
Narrow Locks Road
Township of Rideau Lakes

CATARAQUI REGION CONSERVATION AUTHORITY

Legend

- Watercourses
- Contours
- Parcel of Interest
- Regulated Area

Scale 1: 5,000

30 15 0 30 60 90 120

Metres

UTM Projection NAD 83

Produced by the Cataraqui Region Conservation Authority under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2010.

Aerial Photography © Groupe Alta, 2010

While the CRCA makes every effort to insure that the information presented is accurate for the intended uses of this map, there is an inherent error in all mapping products, and accuracy of the mapping cannot be gauranteed for all possible uses. All end-users must therefore determine for themselves if the information is suitable for their purposes.

X: Section 28 Regulation\Inquiries\Hatch Inc. - Narrow Lock Rd\Hatch_V9.3

CATARAQUI REGION CONSERVATION AUTHORITY
1641 Perth Road, P.O. Box 160 Glenburnie, Ontario K0H 1S0
Phone: (613) 546-4228 Fax: (613) 547-6474
E-mail: crca@cataraquiregion.on.ca Website: www.cataraquiregion.on.ca

June 30, 2010

File: GI-RL
OPS 3-7-3-10

E –MAILED AND MAILED

Hatch Ltd.
Suite 500, 4342 Queen Street
Niagara Falls, ON
L2E 7J7
Attention: Caleb Coughlin

Dear Mr. Coughlin:

Re: PROPERTY INQUIRY
LOT 25, CONC. 2; NARROWS LOCK ROAD
TOWNSHIP OF RIDEAU LAKES
ASSESSMENT ROLL #: 08318360510480000000

Staff of the Cataraqui Region Conservation Authority (CRCA) are writing in response to your inquiry regarding the proposed development of a solar facility. The site was not visited.

Site Description

The property is approximately 49.3 hectares in area with approximately 610 metres of frontage on Narrows Lock Road. The lot currently contains a residence and several farm buildings to the northeast of the lot. The remainder of the lot appears to be entirely used for agricultural purposes. An electrical transmission corridor does cross the northwest corner of the lot. The topography of the site is generally quite flat.

Applicable Environmental Policies and Regulations

The subject lands are designated 'Rural' in the Official Plan for the Township of Rideau Lakes, and are zoned 'Rural' in the implementing Zoning By-law.

These lands do not appear to be subject to Ontario Regulation 148/06: Development, Interference with Wetlands, and Alterations to Shorelines and Watercourses, which is implemented by the CRCA. The purpose of the regulation is to make sure that proposed changes (e.g. development and site alteration) to a property are not affected by natural hazards, such as flooding and erosion, and that the changes do not put other properties at greater risk from these hazards.

Discussion

Any proposal for development and site alteration on the subject lands will not require consideration under Ontario Regulation 148/06.

Natural Hazards
Staff has considered your proposal under Ontario Regulation 148/06: Development, Interference with Wetlands, and Alterations to Shorelines and Watercourses and our implementing policies. The property does not appear to contain any wetlands, watercourses or shorelines and is therefore not subject to flooding or erosion hazards. Setbacks from wetlands, watercourses or shorelines do not extend onto this property.

Natural Heritage
"The Bog Marsh", a Class 3 Provincially Significant Wetland (PSW) exists approximately 700 metres south of the southernmost portion of the property. This is the closest natural heritage feature to this lot. Development restrictions from the "The Bog Marsh" PSW do not extend onto this property.

We trust that the above has addressed your inquiry. Please note that these comments reflect our understanding, at the time of writing, of the best available data, applicable policies and regulations, and the proposal. Changes in one or more of these factors may affect our comments. You are therefore encouraged to contact the CRCA prior to making a formal application, particularly if more than twelve months have passed since the date of this correspondence. If you have any questions, please contact the undersigned at (613) 546-4228 extension 286 or by email at jmessenger@cataraquiregion.on.ca.

Yours truly,

Jason Messenger, BSc
Development Technician

Ministry of Tourism and Culture
Culture Division
Culture Programs Unit
Programs and Services Branch
400 University Avenue, 4th floor
Toronto, ON, M7A 2R9
Telephone: 416-314-7132
Facsimile: 416-314-7175
Email : Jim.Sherratt@ontario.ca

Ministère du Tourisme et de la Culture
Division de culture
Unité des programmes culturels
Direction des programmes et des services
400, avenue University, 4e étage
Toronto, ON, M7A 2R9
Téléphone: 416-314-7132
Télécopieur: 416-314-7175
Email : Jim.Sherratt@ontario.ca

Ontario

September 24, 2010

Tom Hockins
Northland Power Inc.
30 St. Clair Avenue West
17th Floor
Toronto, Ontario, Canada
M4V 3A1

RE: Rideau Lakes Solar Generation, Township of Rideau Lakes, United Counties of Leeds and Grenville, Ontario, FIT-F58Q7J8, MTC File no. HD00504, PIF No. P007-246-2010.

Dear Proponent:

This letter constitutes the Ministry of Tourism and Culture's written comments as required by s. 22(3)(a) of O. Reg. 359/09 under the *Environmental Protection Act* regarding archaeological assessments undertaken for the above project.

Based on the information contained in the report you have submitted for this project, the Ministry believes the archaeological assessment complies with the *Ontario Heritage Act's* licensing requirements, including the licence terms and conditions and the Ministry's 1993 Archaeological Assessment Technical Guidelines. Please note that the Ministry makes no representation or warranty as to the completeness, accuracy or quality of the Report.*

The report [P007-246-2010] recommends the following:

In sum, Findspots 1, 2 and 3 have the potential to be archaeologically significant. Accordingly, ***Archaeological Research Associates Ltd.*** *recommends that each location be subjected to a Stage 3 archaeological assessment. The Ministry of Tourism and Culture is asked to review the results and recommendations presented in this report. A* ***Letter of Concurrence*** *with these recommendations is requested.*

Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48 (1) of the Ontario Heritage Act. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licenced (sic) consultant archaeologist to carry out archaeological fieldwork in compliance with Section 48(1) of the Ontario Heritage Act. This condition provides for the potential for deeply buried or enigmatic local sites not typically identified in evaluations of potential.

The Cemeteries Act requires that any person discovering human remains must immediately notify the police or coroner and the Registrar of Cemeteries, Ministry of Small Business and Consumer Services. All work in

the vicinity of the discovery will be suspended immediately. Other government staff may be contacted as appropriate, however, media contact should not be made in regard to the discovery.

Archaeological sites recommended for further archaeological fieldwork or protection remain subject to Section 48(1) of the Ontario Heritage Act, and may not be altered, or have artifacts removed, except by a person holding an archaeological licence.

The Ministry is satisfied with these recommendations.

This letter does not waive any requirements which you may have under the Ontario *Heritage Act*. A separate letter addressing archaeological licensing obligations under the Act will be sent to the archaeologist who completed the assessment and will be copied to you.

This letter does not constitute approval of the renewable energy project. Approvals of the project may be required under other statutes and regulations. It is your responsibility to obtain any necessary approvals or licences.

Please feel free to contact me if you have questions or require additional information.

Sincerely,

Jim Sherratt
Archaeology Review Officer
Eastern Region

c. Mr. Paul Racher, Archaeological Research Associates Ltd.
Ms. Kimberley Arnold, Hatch Limited

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*In no way will the Ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

Ministry of Tourism and Culture

Culture Programs Unit
Programs and Services Branch
401 Bay Street, Suite 1700
Toronto, ON M7A 0A7
Telephone: (416)-314-7691
Facsimile: (416)-314-7175
Email : Ian.Hember@ontario.ca

Ministère du Tourisme et de la Culture

Unité des programmes culturels
Direction des programmes et des services
401 Rue Bay, Suite 1700
Toronto, ON M7A 0A7
Téléphone: (416)-314-7691
Télécopieur: 416- 314-7175
Email : Ian.Hember@ontario.ca

Ontario

January 6, 2011

Tom Hockin
Northland Power Inc.
30 St. Clair Avenue West
17th Floor
Toronto, Ontario,
Canada
M4V 3A1

RE: **Rideau Lakes Solar Generation, Township of Rideau Lakes, United Counties of Leeds and Grenville, Ontario, FIT-F58Q7J8, MTC File no. HD00504, PIF No. P007-246-2010.**

Dear Proponent:

This letter constitutes the Ministry of Tourism and Culture's written comments as required by s. 22(3)(a) of O. Reg. 359/09 under the *Environmental Protection Act* regarding archaeological assessments undertaken for the above project.

Based on the information contained in the report(s) you have submitted for this project, the Ministry believes the archaeological assessment complies with the *Ontario Heritage Act's* licensing requirements, including the licence terms and conditions and the Ministry's 1993 Archaeological Assessment Technical Guidelines. Please note that the Ministry makes no representation or warranty as to the completeness, accuracy or quality of the Report(s).*

The report(s) recommends the following [quote the recommendations from the report]:

In sum, Findspots 1-3 have the potential to be archaeologically significant. However, each of the sites lies well away from lands to be impacted by project activities. Accordingly, and in consultation with the proponent and MTC, it was agreed that the findspots could be protected by a combination of avoidance and a project buffer of 20m (see Appendix A). As a result, it is recommended that the project be allowed to proceed without further heritage concerns.

This report is filed with the Minister of Tourism and Culture as a condition of licensing in accordance with Part VI of the Ontario Heritage Act, R.S.O. 1990, c 0.18. The report will be reviewed to ensure that the licenced consultant archaeologist has met the terms and conditions of their archaeological licence, and that the archaeological fieldwork and report recommendations ensure the conservation, protection and preservation of the cultural heritage of Ontario.

Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48 (1) of the Ontario Heritage Act. The proponent or person discovering the archaeological resources must cease alteration of the site

immediately and engage a licenced consultant archaeologist to carry out archaeological fieldwork, in compliance with Section 48 (1) of the Ontario Heritage Act. This condition provides for the potential for deeply buried or enigmatic local site areas not typically identified in evaluations of potential.

The Cemeteries Act requires that any person discovering human remains must immediately notify the police or coroner and the Registrar of Cemeteries, Ministry of Small Business and Consumer Services. All work in the vicinity of the discovery will be suspended immediately. Other government staff may be contacted as appropriate; however, media contact should not be made in regard to the discovery.

Archaeological sites recommended for further archaeological fieldwork or protection remain subject to Section 48(1) of the Ontario Heritage Act, and may not be altered, or have artifacts removed, except by a person holding an archaeological licence.

The Ministry is satisfied with these recommendations.

This letter does not waive any requirements which you may have under the Ontario *Heritage Act*. A separate letter addressing archaeological licensing obligations under the Act will be sent to the archaeologist who completed the assessment and will be copied to you.

This letter does not constitute approval of the renewable energy project. Approvals of the project may be required under other statutes and regulations. It is your responsibility to obtain any necessary approvals or licences.

Please feel free to contact me if you have questions or require additional information.

Sincerely,

Ian Hember
Archaeology Review Officer

c. Paul Racher, Archaeological Research Associates

---

[*]In no way will the Ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the
Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

McRae, Elizabeth

From: Matthews, Nathalie (ENE) [Nathalie.Matthews@ontario.ca]
Sent: Monday, February 07, 2011 12:06 PM
To: Tom Hockin; Male, Sean
Subject: Pre-Construction Survey - Groundwater Monitoring Program
Attachments: ffc-nm-northland power solar farms-preconstruction survey-gmp.pdf

Hi Tom and Sean,

The recommended monitoring program is attached for your review.

If you have any questions, please call or email.

Nathalie

Nathalie Matthews, Provincial Officer
Ministry of the Environment
Kingston District Office
1259 Gardiners Road, Unit #3
Kingston, Ontario
Telephone: (613) 548-6917
Toll free #: (800) 267-0974, ext. 2674
Facsimile: (613) 548-6920
Email: nathalie.matthews@ontario.ca

Spills Action Centre (800) 268-6060

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Ministry of the Environment

P.O. Box 22032
Kingston, Ontario
K7M 8S5
613/549-4000 or 1-800/267-0974
Fax: 613/548-6908

Ministère de l'Environnement

C.P. 22032
Kingston (Ontario)
K7M 8S5
613/549-4000 ou 1-800/267-0974
Fax: 613/548-6908

Ontario

M E M O R A N D U M 04 February 2011

TO: N. Matthews
Sr. Environmental Officer
Kingston District Office
Eastern Region

FROM: F. Crossley
Hydrogeologist
Technical Support Section
Eastern Region

RE: Pre-Construction Survey – Groundwater Monitoring Program
Northland Power Solar Farms
Township of Rideau Lakes

Northland Power is intending to construct three solar farms in the Township of Rideau Lakes. The solar farms are identified as: McCann; Crosby and Rideau Lakes.

Previously two solar farms were constructed in the Township of Rideau Lakes (Geographic Region of South Elmsley). This Ministry received numerous groundwater quality complaints during the construction of the solar farms. The groundwater quality complaints were related to the occurrence of "cloudy" (turbid) well water.

This Ministry (Kingston District Office) undertook a groundwater sampling program. This Ministry concluded that the construction activities at the solar farm (Western Solar Farm) adversely impacted (turbid) some nearby water wells (November 17, 2010 Crossley). The impacts are/were related to the construction activities (subsurface drilling program) in a sensitive hydrogeological setting (thin to non existent overburden cover which provides limited attenuation capabilities overlying fractured bedrock).

This Ministry (Kingston District Office) took a proactive approach and contacted Northland Power regarding their proposed construction of three solar farms in the Township of Rideau Lakes. It was agreed that a groundwater monitoring program would be conducted prior to construction activities to acquire background groundwater quality in the vicinity of the proposed solar farms. Northland Power requested that this Ministry provide a recommended groundwater monitoring program.

To this end, the Ministry recommends the following groundwater monitoring program:

- Contact all well owners within 500 metres of the site boundaries prior to the commencement of construction activities and seek permission to undertake a groundwater survey. If permission is granted then:

    - interview the residents regarding well construction, groundwater quality, groundwater quantity and well locations to establish a history of the water well.
    - collect a water well sample from the well after allowing the distribution system to flow for approximately 5 minutes. The sample should be collected prior to any treatment systems ("raw").
    - submit the water sample for analysis to a qualified laboratory. The analysis should be the "subdivision suite" (alkalinity, ammonia, bacteria, calcium, chloride, colour, conductivity, DOC, hardness, iron, magnesium, manganese, nitrite, nitrate, pH, potassium, sodium, sulphate, TDS and turbidity).
    - establish a contingency plan by a qualified person.

The groundwater monitoring program should be conducted under the supervision of a qualified person (P.Eng. or P.Geo.). The survey information should be summarized in a report by a qualified person and a copy forwarded to this Ministry.

In the event that a complaint arises, against the construction activities, Northland Power should repeat the survey at the complainant's residence. The water samples should be submitted as "high priority" to a qualified laboratory. If a problem is confirmed related to the construction activities at Northland Power, then Northland Power should immediately provide bottled water to the impacted party and implement their contingency plan. This Ministry should be notified of any complaints, valid or invalid, and the company's actions to address the complaints.

F. Crossley, P.Geo.
/sh

ec: B. Kaye
P. Taylor

c: File GW-03-06, RILA (Northland Power)
FC/IDS #1100-8D3SEA

McRae, Elizabeth

From: Male, Sean
Sent: Tuesday, March 22, 2011 10:11 AM
To: 'Matthews, Nathalie (ENE)'
Cc: Tom Hockin; 334844
Subject: RE: Pre-Construction Survey - Groundwater Monitoring Program
Attachments: NPI - Wellwater Monitoring Program.pdf

Hi Nathalie,

Thanks again for providing this recommended monitoring program. For your information, we took this program and added a bit more detail to produce a draft document entitled "Baseline Well Water Monitoring Program and Construction Response Plan", which was provided to the public at the Final Public Meeting, and will be submitted as part of the REA Application.

I have attached the document to this e-mail for your review. It does not have the map for the McCann Project as of yet, but will once that Project moves towards final PIC. If you have any comments, we would appreciate your feedback so that we could incorporate them into the document.

Thanks,

Sean

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

From: Matthews, Nathalie (ENE) [mailto:Nathalie.Matthews@ontario.ca]
Sent: Monday, February 07, 2011 12:06 PM
To: Tom Hockin; Male, Sean
Subject: Pre-Construction Survey - Groundwater Monitoring Program

Hi Tom and Sean,

The recommended monitoring program is attached for your review.

If you have any questions, please call or email.

Nathalie

Nathalie Matthews, Provincial Officer
Ministry of the Environment
Kingston District Office
1259 Gardiners Road, Unit #3
Kingston, Ontario
Telephone: (613) 548-6917
Toll free #: (800) 267-0974, ext. 2674
Facsimile: (613) 548-6920

Email: nathalie.matthews@ontario.ca

Spills Action Centre (800) 268-6060

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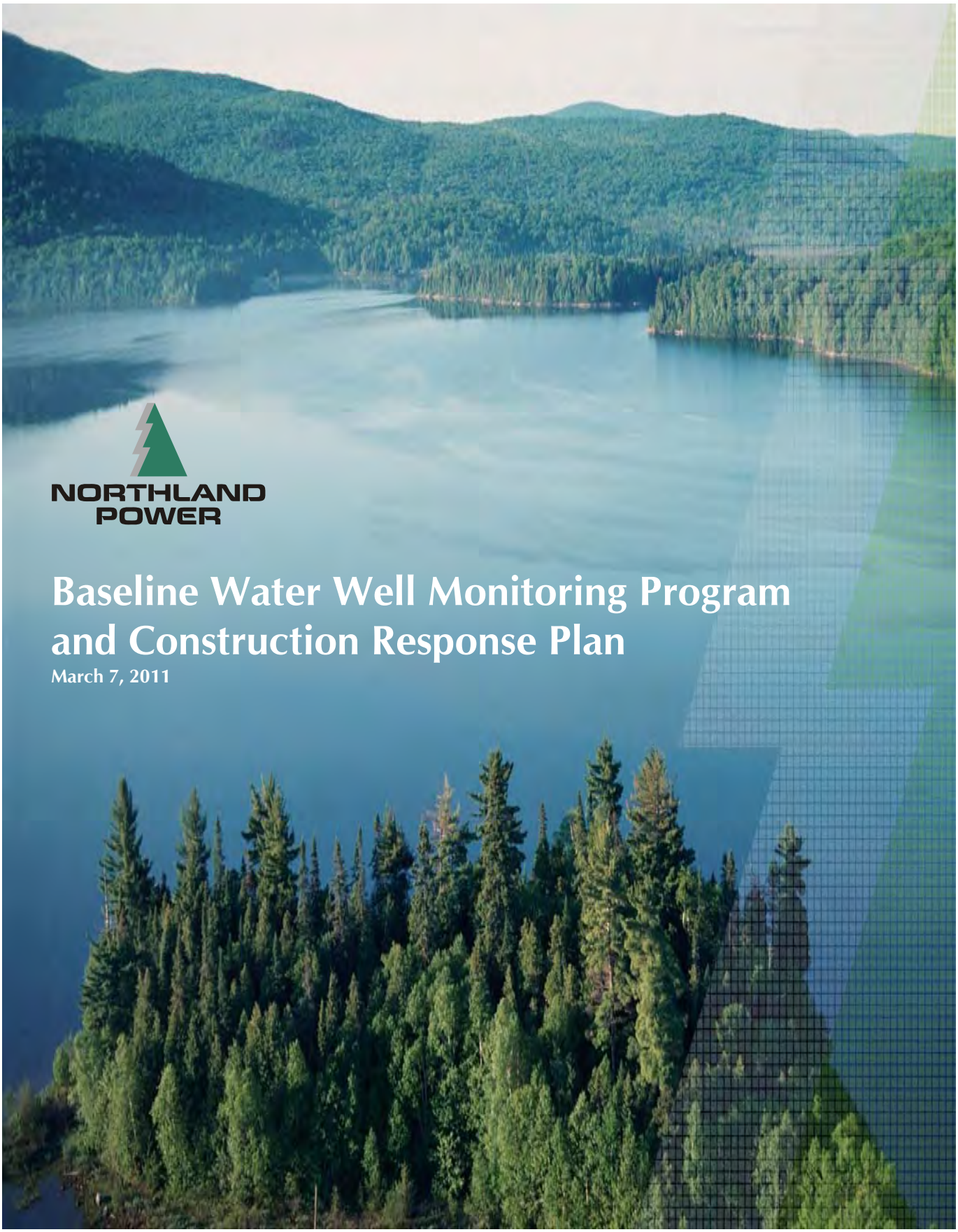

NORTHLAND POWER

Baseline Water Well Monitoring Program and Construction Response Plan

March 7, 2011

Project Report

March 7, 2011

Northland Power Inc.

Township of Rideau Lakes Solar Projects

Baseline Well Water Monitoring Program

and Construction Response Plan

Table of Contents

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2. Baseline Wellwater Monitoring Program 2

3. Construction Response Plan 3

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1. Introduction

Northland Power Inc. (Northland) is proposing to construct three 10-MW solar projects within the Township of Rideau Lakes. These include the:

- Crosby Solar Project
- McCann Solar Project
- Rideau Lakes Solar Project.

Through discussions with the Ontario Ministry of the Environment, Northland has identified a need to conduct baseline well water monitoring at wells in proximity of each Project location. The intent of this monitoring program would be to establish baseline conditions of wells in the area for comparison during construction should a neighbouring well owner identify a concern that their well has been impacted by construction of the Project.

The baseline well water monitoring program, as well as a construction response plan, are outlined below.

2. Baseline Well Water Monitoring Program

All water wells within 500 m of the Project location will be identified through the Ministry of the Environment Water Well Records database information.

Once identified, owners of the wells will be identified and contacted by mail. The mailing will include information of the proposed Project, the proposed well water monitoring program, and a survey relating to well conditions.

If the well owner wishes to participate in the well water monitoring program, they will be requested to completed the survey, to the best of their knowledge, within 1 month and return it to Northland. The survey will request information relating to:

- well construction (i.e. dug/drilled, soil/bedrock, steel casing/ concrete; date of construction)
- groundwater quality (i.e., hardness, pH; submission of previous test results is preferred where available)
- groundwater quantity (i.e., has well ever run dry)
- well locations (i.e., number of users, location of septic system).

Once the completed survey is received, Northland will contact the well owner to discuss their survey responses and to arrange a time where a Northland representative can visit their well to obtain a sample.

At the time of the site visit, the Northland representative will:

- measure water level in the well, if accessible

WorkingTogether SAFELY

© Hatch 2011/03

- collect two raw water well samples without treatment (after running water for approximately 5 minutes to clear water distribution pipes or storage tank)
- the first sample will be tested on-site for field measurement of pH, temperature, conductivity.

The second water sample will be sent to a certified laboratory for general potable water quality tests including alkalinity, ammonia, bacteria, calcium, chloride, colour, conductivity, DOC, hardness, iron, magnesium, manganese, nitrite, nitrate, pH, potassium, sodium, sulphate, TDS, TSS and turbidity. If an exceedance of the Provincial Water Quality Objectives (PWQO) is noted for any of these test paramaters, a repeat sample will be obtained and submitted to the laboratory in order to confirm the exceedance.

The well owner will be provided with the results of the laboratory test once received. Northland will maintain a copy of the test results on file as a reference point for the well, and will prepare a summary report of the survey results for the Ministry of the Environment.

3. Construction Response Plan

Prior to construction, all well owners within a 500-m radius of the Project location will be provided with contact information for Northland, and instructions that should the well owner identify a concern that their well is being impacted by construction activities, although Northland does not anticipate any impacts on nearby wells, they should contact Northland.

Upon receipt of this call, Northland will dispatch a representative to re-sample the well in accordance with the methodologies outlined in Section 2. The sample will be submitted to the laboratory as “high priority”. Northland will also notify the Ministry of the Environment of the call and the results of the test.

If a problem is confirmed as related to the construction activities at the solar project, then Northland will immediately provide a temporary supply of bottled water. Northland will continue providing bottled water and periodically testing the well until such time as no exceedance of PWQO or a return to baseline conditions (in instances where PWQO exceedances were confirmed) are noted within the samples.

In the remote event that a long-term impact to the well is noted and remediation measures, such as flushing the well and water distribution system, fail to remove exceedances of PWQO, Northland will work with the well owner to remedy the situation.

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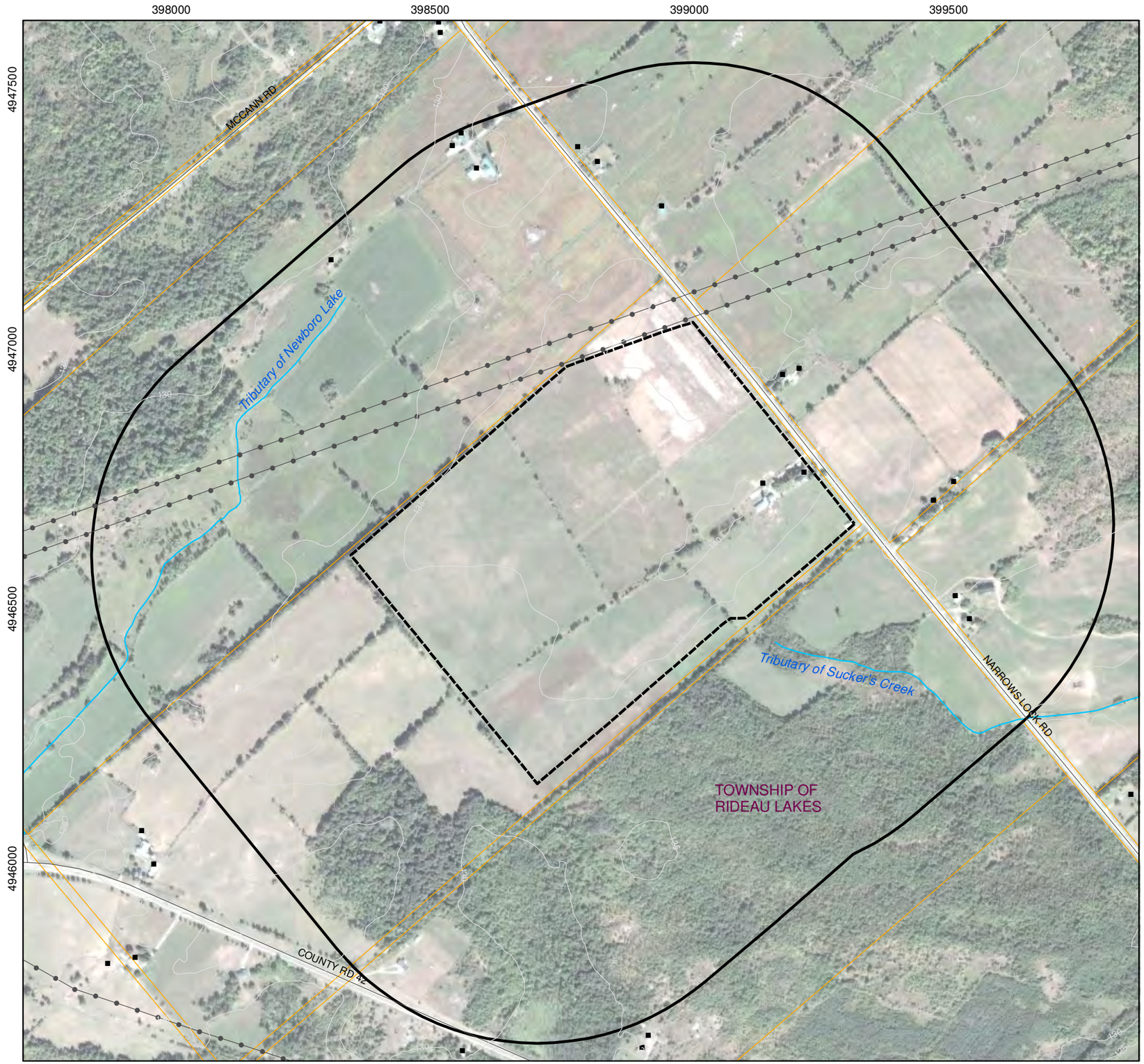
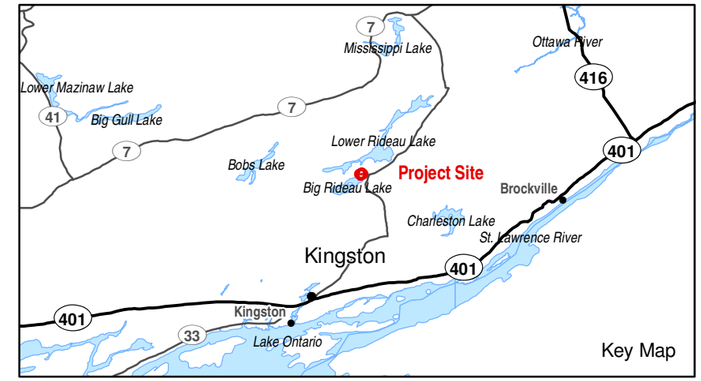




Legend

- Building
- Roads
- Topographic Contour (5m interval)
- Transmission Line
- Watercourse
- Project Location
- 500 m from Project Location
- Parcel

0 75 150 300 Meters

1:8,000

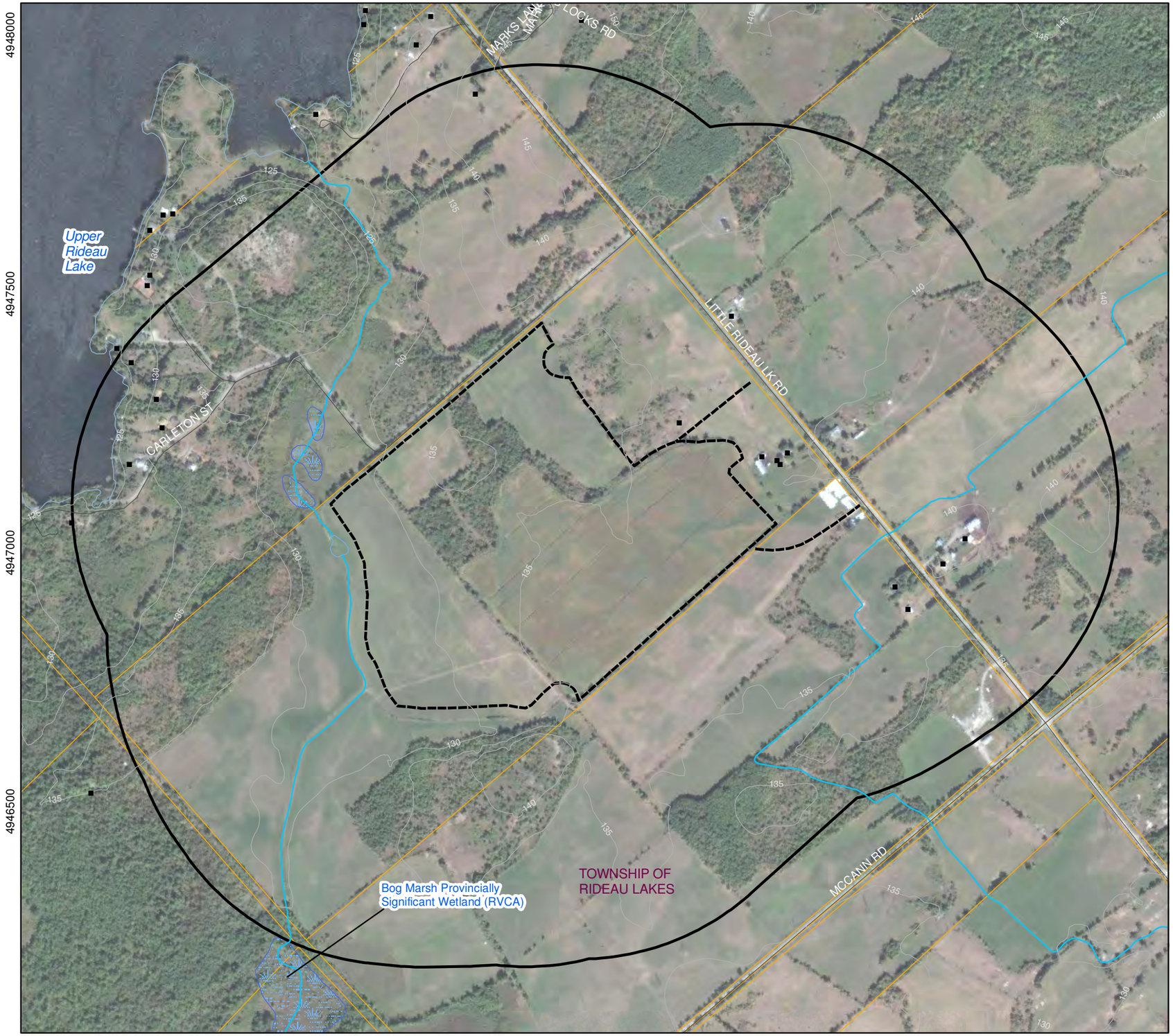
NORTH

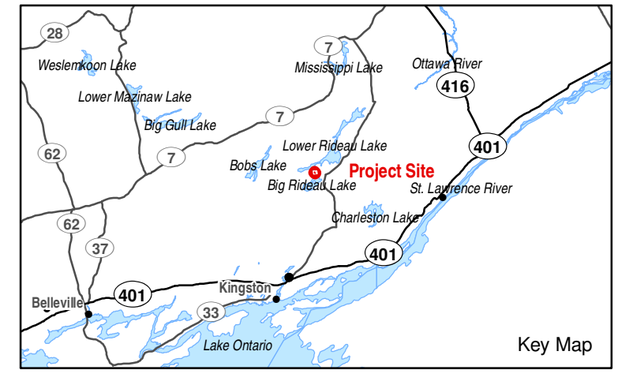
Notes:
1. OBM and NRVIS data downloaded from LIO, with permission.
2. Spatial referenicng UTM NAD 83.
3. Satellite imagery obtained from Google Earth Pro, imagery dated 2005, 2008.

Northland Power Inc.
Rideau Lakes Solar Energy Project
Scaled Area Location Plan

HATCH

P:\NORTHLAND\333751\DATABASES\334844\GIS\Rideau\Rideau Lakes_500mradius.mxd





Legend

- Building
- Roads
- Topographic Contour (5m interval)
- Watercourse
- Project Location
- 500 m from Project Location
- Parcels
- Waterbody
- Wetland Area

0 75 150 300 Meters
1:8,000

NORTH

Notes:
1. OBM and NRVIS data downloaded from LIO, with permission.
2. Spatial referencing UTM NAD 83. June 2010.
3. Satellite imagery obtained from Google Earth Pro, imagery dated 2005.

Northland Power Inc.
Crosby Solar Energy Project
Scaled Area Location Plan

HATCH

P:\NORTHLAND\333751\DATABASES\334844\GIS\Crosby\Crosby_500mRadius.mxd

McRae, Elizabeth

From: Matthews, Nathalie (ENE) [Nathalie.Matthews@ontario.ca]
Sent: Thursday, March 24, 2011 9:23 AM
To: Male, Sean
Cc: Tom Hockin; 334844; Hoyle, Warren
Subject: RE: Pre-Construction Survey - Groundwater Monitoring Program

That's what I thought, but we wanted to make sure.

Nathalie

Nathalie Matthews
MOE - Kingston District Office
(613) 548-6917

From: Male, Sean [mailto:SMale@Hatch.ca]
Sent: March 24, 2011 9:15 AM
To: Matthews, Nathalie (ENE)
Cc: Tom Hockin; 334844; Hoyle, Warren
Subject: RE: Pre-Construction Survey - Groundwater Monitoring Program

Hi Nathalie,

Thanks for taking the time to review the information.

I believe it was certainly our intent to look beyond the Water Well Records database information. I will make sure that is clarified in the revised plan.

Thanks again,

Sean

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

From: Matthews, Nathalie (ENE) [mailto:Nathalie.Matthews@ontario.ca]
Sent: Wednesday, March 23, 2011 4:23 PM
To: Male, Sean
Cc: Tom Hockin; 334844
Subject: RE: Pre-Construction Survey - Groundwater Monitoring Program

Hi Sean,

The ministry has reviewed your proposed monitoring program and we are concerned with the following statement. "All water wells within 500 m of the Project location will be identified through the Ministry of the Environment Water Well Records database information."

Please note that not all water wells are identified in the MOE's water well records database. Unfortunately the database is not accurate since some well records have not been submitted to the MOE (such as dug wells).

Therefore, we recommend that Northland Power does not rely completely on this database. In addition to using the database, the area within 500 m of the projects should be surveyed in person and by talking to the area residents.

The ministry has no other issues or concerns with the proposed monitoring program.

If you have any questions, please call or email.

Nathalie

Nathalie Matthews
MOE - Kingston District Office
(613) 548-6917

From: Male, Sean [mailto:SMale@Hatch.ca]
Sent: March 22, 2011 10:11 AM
To: Matthews, Nathalie (ENE)
Cc: Tom Hockin; 334844
Subject: RE: Pre-Construction Survey - Groundwater Monitoring Program

Hi Nathalie,

Thanks again for providing this recommended monitoring program. For your information, we took this program and added a bit more detail to produce a draft document entitled "Baseline Well Water Monitoring Program and Construction Response Plan", which was provided to the public at the Final Public Meeting, and will be submitted as part of the REA Application.

I have attached the document to this e-mail for your review. It does not have the map for the McCann Project as of yet, but will once that Project moves towards final PIC. If you have any comments, we would appreciate your feedback so that we could incorporate them into the document.

Thanks,

Sean

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

From: Matthews, Nathalie (ENE) [mailto:Nathalie.Matthews@ontario.ca]
Sent: Monday, February 07, 2011 12:06 PM
To: Tom Hockin; Male, Sean
Subject: Pre-Construction Survey - Groundwater Monitoring Program

Hi Tom and Sean,

The recommended monitoring program is attached for your review.

If you have any questions, please call or email.

Nathalie

Nathalie Matthews, Provincial Officer
Ministry of the Environment
Kingston District Office
1259 Gardiners Road, Unit #3
Kingston, Ontario
Telephone: (613) 548-6917
Toll free #: (800) 267-0974, ext. 2674
Facsimile: (613) 548-6920
Email: nathalie.matthews@ontario.ca

Spills Action Centre (800) 268-6060

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McRae, Elizabeth

From: Fraser, Jim (MNR) [Jim.A.Fraser@ontario.ca]
Sent: Friday, June 04, 2010 3:51 PM
To: Male, Sean
Cc: Watchorn, Rick (MNR); Melvin, Laura (MNR); Smithers, Scott (MNR); Cotnam, Erin (MNR)
Subject: RE: Northland Power - Proposed Solar Projects
Attachments: Inforequestdoc_visualID_March24-09.pdf; Kemptville MNR Natural Areas and Features.doc; MNRKV_InfoRequestForm.pdf

Importance: High

Hi Sean,

Workloads and staffing does not allow us to meet with all proponents in the preliminary stages of gathering natural values information for individual sites. In order to provide, natural values information for the Fit approved projects in a timely manner, we require the proponent to fill out an information request as attached for each proposed project. This will provide the proponent with the Natural Values Information including Endangered Species as known by the Kemptville District. This information does not replace the requirement for the proponent to conduct on-site natural values assessment. Please note that Geographic Township, Lot and Concession are critical pieces of information required to move the request forward. I would also suggest that you indicate that the project has received **FIT approval** as we are always getting a large number of information requests for a variety of purposes.

I would strongly encourage Northland Power to complete the information requests for each site as soon as possible as all requests for FIT approved projects will be dealt with on a first come/first served basis.

Thank you for your interest,

Jim Fraser
Area Supervisor
Kemptville District

From: Male, Sean [mailto:SMale@Hatch.ca]
Sent: June 1, 2010 3:56 PM
To: Smithers, Scott (MNR)
Cc: Fraser, Jim (MNR); Watchorn, Rick (MNR)
Subject: RE: Northland Power - Proposed Solar Projects - Kick-off Meeting

Hi Scott,

I spoke to Tom Hockin of Northland who will be attending the meeting. He is away the week of the 7th, but will be available the week of the 14th. I am trying to arrange some other meetings in the area, however at the moment we are free any day except Thursday afternoon.

Thanks,

Sean

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

From: Smithers, Scott (MNR) [mailto:scott.smithers@ontario.ca]
Sent: Tuesday, May 25, 2010 8:44 AM
To: Male, Sean
Cc: Fraser, Jim (MNR); Watchorn, Rick (MNR)
Subject: RE: Northland Power - Proposed Solar Projects - Kick-off Meeting

Hi Sean,

In order to ensure all of the required staff here at OMNR will be available to attend our meeting, I going to suggest we reschedule for sometime after the 7th of June.

Please provide me with a list of possible dates after June 7th that you and Northland would be available to meet and I will them solicit for staff availability here at OMNR.

S

Scott Smithers
Area Biologist
Ministry of Natural Resources
Kemptville District
10 Campus Drive
Kemptville Ontario
K0G 1J0
P(613) 258-8214
F (613) 258-3920
scott.smithers@ontario.ca

"A peculiar virtue in wildlife ethics is that the hunter ordinarily has no gallery to applaud or disapprove of his conduct. Whatever his acts, they are dictated by his own conscience, rather than by a mob of onlookers. It is difficult to exaggerate the importance of this fact."

Aldo Leopold, A Sand County Almanac

From: Male, Sean [mailto:SMale@Hatch.ca]
Sent: May 25, 2010 7:43 AM
To: Smithers, Scott (MNR)
Subject: RE: Northland Power - Proposed Solar Projects - Kick-off Meeting

Hi Scott,

I just spoke with Northland and June 1st will not work for them. Is it possible for us to meet this Friday, May 28th instead? The same time would work.

Please advise.

Thanks,

Sean

-----Original Message-----
From: Smithers, Scott (MNR) [mailto:scott.smithers@ontario.ca]
Sent: Fri 5/21/2010 11:52 AM
To: Fraser, Jim (MNR); Watchorn, Rick (MNR)
Cc: 334844; Male, Sean

Subject: RE: Northland Power - Proposed Solar Projects - Kick-off Meeting

Hi Jim,

Sean Male form Hatch contacted me today and asked if his group could come to Kemptville onJune 1st at 1:00 pm to discuss the Northland Power Project with District Staff.

I would expect that this group would like to meet with our planner, lands staff and natural heritage staff (similar to our earlier meeting with Golder)

What is the avaialbility of staff for this date and time? If enuff of our folks ae not available, we will have to suggest another date to meet with this group.

S

Scott Smithers
Area Biologist
Ministry of Natural Resources
Kemptville District
10 Campus Drive
Kemptville Ontario
K0G 1J0
P(613) 258-8214
F (613) 258-3920
scott.smithers@ontario.ca <mailto:scott.smithers@ontario.ca>

"A peculiar virtue in wildlife ethics is that the hunter ordinarily has no gallery to applaud or disapprove of his conduct. Whatever his acts, they are dictated by his own conscience, rather than by a mob of onlookers. It is difficult to exaggerate the importance of this fact."

Aldo Leopold, A Sand County Almanac

From: Male, Sean [mailto:SMale@Hatch.ca]
Sent: May 12, 2010 3:57 PM
To: Smithers, Scott (MNR); Fraser, Jim (MNR)
Cc: 334844
Subject: Northland Power - Proposed Solar Projects - Kick-off Meeting

Hi Scott and Jim,

Hatch has been retained by Northland Power to assist them with the Renewable Energy Approval process for several solar power projects within the province. Five of these projects are located within the jurisdiction of the MNR Kemptville District. As such, we are hoping to arrange a meeting with yourselves in the near future to introduce Northland Power, Hatch, and the proposed solar projects, and to discuss any environmental concerns that the MNR may have in respect of the Project locations.

If you are open to a meeting, dates which I have available to meet in the near future are May 17th, May 21st and May 27th. Can you please advise which of those dates work for yourselves and I will confirm a date with Northland for a meeting?

Thanks,

Sean

Sean K. Male, M.Sc.

Terrestrial Ecologist/Environmental Assessment & Management

Tel: +1 905 374 0701 ext. 5280

Fax: +1 905 374 1157

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

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Kemptville MNR Natural Areas and Features Information Request Form

Name*:

Address*:

Phone Number*:

E-mail Address*:

Property Location:

Township (geographic)* -

Lot and Concession*

Property Roll No. -

*Fields with asterisk are mandatory.

Attachments

I have attached a ☐ Picture ☐ Map ☐ Other

Request

I would like to request the following information for the property identified above:

To better respond to your request please briefly outline the purpose for which this information is required (e.g. proposed development, lot severance, etc. or attach details):

Please forward the completed form to:
Kemptville.Inforequest@ontario.ca **or** **Fax: 613-258-3920**

10 Campus Drive, Postal Bag 2002
Kemptville, ON K0G 1J0
Attention: Information Requests

MNR File Number:

Personal information contained in this form is collected in order to fulfill your request, respond to your inquiries and for other administration purposes. With regard to the personal information it collects, the ministry is bound by privacy protection rules under the ***Freedom of Information and Protection of Privacy Act*** *and takes all necessary steps to safeguard personal information collected.*

Ministry of Natural Resources

Ontario

Natural. Valued. Protected.

MNR KEMPTVILLE DISTRICT

Natural Heritage Areas and Features Information Requests

March 2009

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1.0 Purpose of this Document

This document is meant as a directory of available natural heritage information (evaluated wetlands, Areas of Natural and Scientific Interest (ANSIs), fish & wildlife, etc.) available for the Ministry of Natural Resources (MNR) Kemptville District (hereby referred to as MNR-KV). This document also identifies other natural resource agencies that may have information in addition to MNR. Contact information for those agencies can be found on Page 12 of this document.

MNR KV District receives many information requests, and therefore has developed this document to standardize the requesting process. **By completing the form found on Page 13** of this document, you are helping us respond to your request in a more time-efficient manner.

2.0 Background

MNR maintains and provides a variety of information on natural heritage, fisheries, and wildlife. This information is provided to organizations, private individuals, consultants, and developers upon request, in order to meet requirements under the Planning Act (the Provincial Policy Statement), Environmental Assessments, Aggregate Resource Act applications, Endangered Species Act, Fisheries Act, Ontario Water Resources Act, and various other initiatives.

High levels of development in Eastern Ontario have resulted in an increasing volume of requests for such information, and as a result longer waiting times to process these requests. This document is intended to help improve this situation by:

- Clarifying the types of information that are available from MNR;
- Supplying contact information for other agencies and organizations that provide related natural heritage information;
- Identifying where information is readily available on the internet; and
- Clarifying timeframes in which information available only at the MNR KV district will be provided.

2.1 General Fish and Wildlife Contacts

This document is not intended to address services such as the issuance of Fish and Wildlife Licenses (including Export Permits for Moose, Deer and Bear) or dropping off of Big Game Draw applications. For information on these areas please contact or visit your local Service Ontario Centre.

For a list of Service Ontario locations please visit:
www.serviceontario.ca or call: 1-800-267-8097

MNR Hot Lines

Reporting Resource Abuse (lands, waters, forests, fish and wildlife)	**1-877 TIPS-MNR (847-7667)**
Bear Wise	**1-866 514-BEAR (514-2327)**
Rabies	**1-888-574-6656**
MNR INFORMATION	**1-800-667-1940**
Outdoors Card Centre	**1-800-387-7011**
Draw Results, applications and licensing	**1-800-288-1155**
Ontario Parks Campsite Reservations	**1-888-668-7275**
Fire	**Contact your local Town/Municipality**
Public Safety	**911 - contact your local police force**

2.2 Disclaimers about this document

This document will be regularly updated. For a current version of this document email to Kemptville.Inforequest@ontario.ca. Please allow for adequate time to gather the information you have requested. Requests will be handled on a first-come first-served basis. During peak times, it may take 6-8 weeks to respond to your inquiry.

Note, that the information available from MNR should ***not be considered as a substitute for site visits***. Generally, information available from MNR can be regarded as a starting point from which to conduct further field studies. There are many areas where MNR does not currently have site information. On-site assessments can better verify site conditions.

3.0 General Requests

3.1 Site Screening Requests

If you are interested in general screening level information for an area:

Digital Maps: MNR-KV has created 3 different series of maps based on geographic township at a 1:100,000 scale. The series include: Crown Lands, Natural Heritage (evaluated wetlands and ANSIs), and Aggregate licenses. Maps will be emailed upon request, free of charge.

> *Action:* ***complete the request form at the end of this document***

Hardcopy Maps: printed copies of the above Map Series are available for $5 per map. These maps are available through the Service Ontario desk at the MNR-KV.

> *Action:* ***complete the request form at the end of this document and bring to Service Ontario office at 10 Campus Drive, Kemptville, Ontario.***

The purpose of these maps is to provide information for site screening purposes. Note that these maps provide general location information only and cannot be used to delineate specific boundaries or used for navigation. If you require detailed boundaries of natural heritage features, see below.

3.2 Comprehensive Study Requests

If you require comprehensive and/or extensive natural heritage feature information, or if you wish to gain access to the spatial data to use within your own Geographic Information Systems (GIS) applications, we encourage you to obtain information using the following options.

1) **MNR's Land Information Ontario (LIO) Base Data User (BDU) License** can provide access to basic topographic information such as roads, water, contours. etc., and allows for commercial use of this information. Natural heritage resource information, including wetland boundaries, ANSIs, etc. is **available for purchase** by commercial users. This option offers the advantage being able to create and display customized maps for clients, or to complete analysis within a GIS, in a timely manner. Note that LIO provides data, but does not provide technical support.

> ***Action**: for more information visit the LIO website at:*
> ***www.mnr.gov.on.ca/en/Business/LIO/index.html***

2) **The Ontario Geospatial Data Exchange** (OGDE) is the agreement with the government to get access to LIO.

Who qualifies for this agreement? Public organizations such as: government, First Nations, Conservation Authorities, municipalities, and non-for-profit NGOs. For more information on this program and contact information refer to:
www.mnr.gov.on.ca/en/Business/LIO/2ColumnSubPage/STEL02_167959.html

3) **Other online resources**: The following are only a few of the information websites available for public use.

- Municipal websites
- Eastern Ontario Model Forest stewardship tracking system
  www.sof.eomf.on.ca
- Google Earth and Google Maps (viewing aerial photos and elevation information)
  www.google.ca
- MNR store: air photos
  www.mnr.gov.on.ca/en/STEL02_168321.html
- Agriculture & Agri-Food Canada: County Soils Maps may be available
  http://sis.agr.gc.ca/cansis/publications/on/index.html
- Bird Studies Canada: Ontario Breeding Bird Atlas data
  www.bsc-eoc.org/
- Environment Canada: Web Species Mapping Application for Species at Risk
  www.sararegistry.gc.ca/sar/index/map_e.cfm
- GeoConnections is an online spatial database from the Canadian Government
  www.geoconnections.org
- GeoGratis GIS data from the Earth Sciences Sector of Natural Resources Canada
  www.geogratis.ca/
- Geobase: various GIS layers for Canada free of charge
  www.geobase.ca/

4.0 Natural Heritage Feature Spatial Data

MNR along with other agencies maintains spatial information, which can be mapped, on many natural heritage features including: fish and wildlife features. This document has been divided into fish and wildlife data and natural heritage areas data.

4.1 Fish and Wildlife Data

4.1.1 Deer and Moose Winter Habitat

Wildlife managers are working with landowners and forest managers to maintain healthy, productive winter habitats for deer and moose in order to achieve a population level that a healthy ecosystem can support. To aid in this, the MNR has mapped some traditional deer and moose wintering habitat sites. Note that not all deer and moose wintering habitats have been mapped.

Action: Complete the request form on page 13 of this document.

For more information on Deer Conservation or the MNR Moose program refer to the following websites:
Moose Program: www.mnr.gov.on.ca/en/Business/FW/2ColumnSubPage/STEL02_174000.html
People and Wildlife-Managing and Reducing Conflict:
www.mnr.gov.on.ca/en/Business/FW/2ColumnSubPage/STEL02_168419.html
Wildlife Health:
www.mnr.gov.on.ca/en/Business/FW/2ColumnSubPage/STEL02_168423.html

4.1.2 Fish Habitat

MNR is generally the manager of fisheries data, however, a variety of agencies are involved in maintaining information on fisheries and their habitat. Below is a list of different fisheries data and the agencies that manage it:

Conservation Authorities:

- *Eastern Conservation Authorities Fish and Fish Habitat Review Guidelines* in draft format. These are guidelines for the collection of fisheries information;
- Stream classification and thermal regimes; and
- Many CAs have also compiled databases, including fish habitat and species information for inland streams and drains.

Municipalities:

- The City of Ottawa's Surface Water Quality Program: This program maintains information on stream assessment, as well as some information on fish species and nursing habitats. It is a good source for netting information from the Rideau River.

Federal Government:

- Parks Canada: Park staff, in addition to MNR, should be consulted for aquatic information on the Rideau Canal, which includes most of the Rideau River system, as well as for fisheries information in the vicinity of St. Lawrence Islands National Park; and
- Department of Fisheries and Oceans (DFO): For information on the *Fisheries Act*

Government of Ontario

- MNR Lake Ontario Management Unit: For sites on the St. Lawrence River, the management unit, located in Picton, may be able to provide additional species and population information that the Kemptville District Office does not have in its files.
- MNR Kemptville District Office: Has spatial information on the following in studied locations:
    - waterbody type and fish species present
    - thermal regime and timing restrictions chart for various lakes and rivers,
    - habitat information and locations (such as known fish sanctuaries, spawning and nursery habitats).

  Additionally there are hardcopy files on many of the lakes and streams in the District. To arrange a meeting with a fisheries biologist fill out the request form on Page 13 of this Guide.

  Action: Contact the appropriate agency outlined above.
  Contact information can be found on Page 12 of this Guide.
  If data is from MNR-KV complete the request form on Page 13 of this document.

4.1.3 Nesting Sites

MNR also has some locational information on gull colonies, heronries, and stick nests, however, this information has not been placed on township maps as some of it may be out of date. If you are interested in locations of these nest sites, especially if you know or have observed one near the site in question, contact the MNR –KV office for more details or fill out the request form at the end of this document.

Action: Complete the request form on Page 13 of this document.

4.1.4 Species at Risk Records

Species at risk (SAR) are species designated by the Committee on the Status of Species at Risk in Ontario (COSSARO) as extirpated, endangered, threatened, or of special concern. More information on SAR, including the official Species at Risk in Ontario (SARO) list, is available online at: www.ontario.ca/speciesatrisk

The first step in finding out if there are any SAR on your property is by starting with a *rough screen* for your site prior to contacting MNR, using information from the Natural Heritage Information Centre (NHIC). The NHIC is a group within MNR that compiles and maintains rare species and spaces data for Ontario. The NHIC website has a map tool which allows

you to look for reported rare species records associated with a particular area. To conduct this initial screening, visit the NHIC website at: http://nhic.mnr.gov.on.ca/nhic_.cfm.

Please note that NHIC database queries alone are insufficient means of conducting *thorough* searches of SAR occurrences. Therefore, following an initial NHIC search, a SAR information request to the MNR-KV Office is also recommended as some Species at Risk (SAR) locations are confidential. **Remember, MNR does not have a complete inventory of all SAR; thus the proponent is to conduct an inventory of the species on the site.** We recommend that an Ecological Site Assessment (ESA) be conducted on the property or contact the MNR-KV Office for more specific guidelines.

Action: First: conduct a rough screen of species at risk through the NHIC website http://nhic.mnr.gov.on.ca/nhic_.cfm.
Second: please complete the request form on Page 13 of this document requesting a SAR screen of the outlined property
Third: conduct a site visit or Ecological Site Assessment (ESA)

4.1.5 Endangered Species Act and Habitat

As part of the Endangered Species Act (ESA), 2007, all endangered-regulated species under the previous ESA (1971) as well as any newly listed endangered or threatened species, immediately receive general habitat protection, which is defined as:

> "An area on which the species depends, directly or indirectly, to carry on its life processes."

Species-specific habitat regulations will legally replace the general habitat described above in the future. In addition, regulated habitat will be phased-in over a 5-year period for all species currently assessed as endangered or threatened.

For more information on the ESA please refer to:
www.mnr.gov.on.ca/en/Business/Species/2ColumnSubPage/STEL01_131232.html

4.2 Natural Heritage Areas Data

4.2.1 *ANSIs*

MNR is responsible for Areas of Natural and Scientific Interest (ANSIs) including their identification, determination of significance and boundary mapping. ANSIs are either identified as Earth Science or Life Science features. Generally, ANSIs have been identified in MNR reports which provide an overview of features and contain check-sheets (also referred to as checklists in Earth Science ANSIs), for each individual ANSI; these reports are available online from the NHIC (link below). Please note that the level of information available varies for each ANSI.

The general boundaries of ANSIs are shown on the Portable Document Format (PDF) geographic township maps. Detailed boundaries of each ANSI are available upon request.

The ANSI report and/or an individual check-sheet can also be sent from MNR-KV via e-mail in digital (PDF) format upon request.

Action: check the NHIC website at http://nhic.mnr.gov.on.ca/nhic_.cfm
If you require more detail complete the request form on Page 13 of this document.

4.2.2 *Conservation Reserves*

Conservation reserves are an area of public lands set aside under the Public Lands Act to protect natural heritage areas and natural features on public land, while preserving traditional public land uses. These areas are intended to protect natural heritage areas and natural features, while preserving traditional public land uses, such as wildlife viewing, hunting, fishing, walking, snowshoeing, cross country skiing and boating.

Information regarding conservation reserves, including location, can be viewed at:
http://crownlanduseatlas.mnr.gov.on.ca/clupa.html

Action: check the OMNR Crown Land Use website at
http://crownlanduseatlas.mnr.gov.on.ca/clupa.html

4.2.3 *Environmentally Sensitive Areas*

Some municipalities within Kemptville District may designate Environmentally Sensitive Areas (ESAs).

Action: Please contact your local municipal office

4.2.4 *Ontario Provincial Parks*

Ontario's provincial parks aim to protect significant natural, cultural, and recreational environments, while providing ample opportunities for visitors to participate in recreational activities. For more information about Ontario Provincial Parks, or to make a reservation, visit their website at www.ontarioparks.com.

Action: check the OMNR Ontario Parks website at www.ontarioparks.com

4.2.5 *Significant Valleylands*

Significant valleylands are one of the natural heritage features specified and defined in the Provincial Policy Statement (PPS). The identification of significant valleylands in Official Plans is the responsibility of the local, municipal planning authority. Where significant valleylands have not been identified in an Official Plan, the municipality (and where applicable, the upper-tier planning authority) should be contacted to determine if criteria have

been developed for the identification of significant valleylands. In the event that there are no municipally identified criteria, MNR and the local Conservation Authority may have resource information about valleylands with known potential to be significant. Where the MNR-KV has information about valleylands with known potential to be significant, MNR will provide the specific criteria to assess the significance of the valleyland.

Action: Please contact the relevant planning authority.

4.2.6 *Significant Woodlands*

Significant woodlands are one of the natural heritage features specified and defined in the Provincial Policy Statement (PPS). The identification of significant woodlands in Official Plans is the responsibility of the municipal planning authority. Where significant woodlands have not been identified for a municipality within the Official Plan, the municipality (and where applicable, the upper-tier planning authority), should be contacted to determine if criteria have been developed for the identification of significant woodlands. In the event that there are no municipally identified criteria, the MNR -KV will provide mapping and criteria undertaken as part of the MNR Kemptville District Significant Woodlands Project.

Action: Please contact the relevant municipal planning authority, MNR Kemptville District (by completing the request form below), and other resource organizations.

4.2.7 *Significant Wildlife Habitat*

Significant wildlife habitat is one of the natural heritage features specified and defined in the Provincial Policy Statement (PPS). The identification of significant wildlife habitat in Official Plans is the responsibility of the municipal planning authority. Where significant wildlife habitat has not been identified within the Official Plan, the municipality (and where applicable, the upper tier planning authority) should be contacted to determine if criteria have been developed for the identification of significant wildlife habitat.

The Significant Wildlife Habitat Technical Guide (OMNR, 2000) provides guidance on the identification and mapping of significant wildlife habitat. This can be found on the OMNR website at: www.mnr.gov.on.ca/en/Business/FW/Publication/MNR_E001285P.html.

MNR has resource information that can be used in determining significant wildlife habitats, however, as identified throughout this document it is “best available” MNR information only. Other resource organizations that may have wildlife habitat information include Conservation Authorities and field naturalist groups, etc.

Action: Please contact the relevant municipal planning authority, MNR Kemptville District (by completing the request form below), and other resource organizations.

4.2.8 *Wetlands*

MNR is responsible for the official boundaries and data records of wetlands. Names and locations of evaluated wetlands can be found online at http://nhic.mnr.gov.on.ca/nhic_.cfm through the geographic query tool (see website for instructions). Alternatively, external boundaries of wetlands are shown on the PDF geographic township maps. Detailed boundaries, including internal vegetation communities of each wetland are available upon request. Additionally, there is a data record that accompanies each evaluated wetland. These are available in hardcopy (some are available in PDF format) through MNR-KV and at most Conservation Authorities. The public may reference and photocopy these if required. An appointment will be required to set up a time that works for both you and a biologist. Set this up by filling out the request form at the end of this document.

Action: Check the NHIC website http://nhic.mnr.gov.on.ca/nhic_.cfm
or complete the request form on page 13 of this document.

5.0 Quick Reference Guide

This Guide is meant to be used as a quick reference to where natural heritage data sources can be found. For data requests at the MNR-KV, please fill out an information request form found on Page 13 of this Guide.

Data	Location and Web-related Links
Area of Natural and Scientific Interest (ANSI):	General location and text descriptions: http://nhic.mnr.gov.on.ca/nhic_.cfm
Earth Science and Life Science	Approved boundary maps and check-sheets *Kemptville MNR (see form on page 13)*
Conservation Reserves	http://crownlanduseatlas.mnr.gov.on.ca/clupa.html
Deer Winter Habitat	Known wintering areas *Kemptville MNR (see form on page 13)*
Environmentally Sensitive Areas	Information may be available at the *Municipal Planning Authority*
Fisheries data: (refer to page 5 for details)	Resource information available at: *Conservation Authorities* *Department of Fisheries and Oceans* *Parks Canada* *City of Ottawa (Surface Water Quality Program)* *Kemptville MNR (see form on page 13)* *MNR Lake Ontario Management Unit*
Moose Winter Habitat	Known wintering areas *Kemptville MNR (see form on page 13)*
Nesting Sites	*Kemptville MNR (see form on page 13)*
Provincial Parks	www.ontarioparks.com
Significant Valleylands	*Municipal Planning Authority*
Significant Wildlife Habitat	*Municipal Planning Authority*
Significant Woodlands	*Municipal Planning Authority*
Species At Risk (Extirpated, endangered, threatened or of special concern)	Species information and occurrence data http://nhic.mnr.gov.on.ca/nhic_.cfm Species at Risk program information www.mnr.gov.on.ca/en/Business/Species/index.html Local occurrence data *Kemptville MNR (see form on page 13)*
Wetlands	General location and text descriptions: http://nhic.mnr.gov.on.ca/nhic_.cfm Approved boundary maps and data records *Kemptville MNR (see form on page 13)*

6.0 Contact Information

6.1 From Other Local Sources

For further information from other sources listed in this document, please contact:

Cataraqui Region Conservation Authority www.cataraquiregion.on.ca	1-877-956-CRCA (2722)
Mississippi Valley Conservation Authority www.mvc.on.ca	(613) 259-2421
Rideau Valley Conservation Authority www.rvca.ca	1-800-267-3504
Raisin Region Conservation Authority www.rrca.on.ca	(613) 938-3611
South Nation Conservation Authority www.nation.on.ca	1-877-984-2948
City of Ottawa Surface Water Quality program www.ottawa.ca/residents/waterwaste/surface/water_quality_en.html	(613) 580-2400
MNR Lake Ontario Management Unit www.glfc.org/lakecom/loc/mgmt_unit/homepage2006.htm	(613) 476-3255
Parks Canada www.pc.gc.ca	(613) 283-7199
Department of Fisheries of Oceans www.dfo-mpo.gc.ca	(613)-993-0999
Service Ontario – located at MNR-KV Office	(613)-258-4846 1-800-268-8758

6.2 From Kemptville District

If you require more information about any of MNR's natural heritage or fish and wildlife information as outlined in this document, indicate your request by completing the attached form. **Please note that in order to process requests in a timely manner, we require the lot, concession number(s) and geographic township of the property** about which you are inquiring. Additionally if any maps or photos would aid in describing the area of your requests, please attach them to the request form.

McRae, Elizabeth

From: Male, Sean
Sent: Saturday, June 12, 2010 1:49 PM
To: kemptville.inforequest@ontario.ca
Cc: 334844; Arnold, Kimberley
Subject: Inforequest for Northland Power - Rideau Lakes Project
Attachments: Kemptville MNR Natural Areas and Features - Rideau Lakes.doc; Rideau Lakes - Figure.pdf

Hello,

Please find attached a completed inforequest form and associated maps for Northland Power's proposed Rideau Lakes solar project.

We look forward to receiving your input.

Thank you,

Sean Male
REA Coordinator
Hatch

Ontario

Ministry of Natural Resources

Kemptville District
P.O. Box 2002
10 Campus Drive
Kemptville, ON K0G 1J0

Tel.: (613) 258-8470
Fax.: (613) 258-3920

Ministère des Richesses naturelles

District de Kemptville
CP 2002
10 Campus Drive
Kemptville, ON K0G 1J0

Tél.: (613) 258-8470
Téléc.: (613) 258-3920

July 8, 2010

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

Attention: Sean Male

RE: Information Request – Solar Development – Northland Power
Our File No.:
2010_NCR-896 – (Lot 2, C 3, North Crosby)
2010_CHA-897 – (Lot 15 & 16, C 5&6, Charlottenburgh)
2010_NCR-898 – (Lot 1, C 1, North Crosby)
2010_BUR-899 – (Lot 13, C 9, Burgess)
2010_SCR-900 – (Lot 25, C 2, South Crosby)

Dear Mr. Male,

The Ministry of Natural Resources (MNR) Kemptville District has carried out a review of the area in order to identify any potential natural resource and natural heritage values in the area of the identified sites. The MNR must clearly indicate that this is an initial records review and does not form part of the MNR review and confirmation process.

Site A – 2010_NCR-896

A review of our records indicates that there are some wooded areas on site, indicating that Butternut (Endangered Tree Species) could be present, as well as some woodlands within 120 meters of the site. Consideration for the evaluation of Woodlands Significance is recommended by the MNR. There are two watercourses identified within 120m of the site suggesting potential fish habitat. MNR's review of the information obtained from the Natural Heritage Information Centre (NHIC) and a search of internal SAR records, the MNR can advise that there is potential for Butternut (Endangered) on and adjacent to the site, as well as records for both Early Hairstreak (S2) and Prairie Warbler (S3B) both of which are provincially tracked rare species. While species of special concern and provincially rare tracked species are not protected by the Endangered Species Act, under the PPS, information pertaining to their location and habitat requirements should be considered when evaluating the significant wildlife habitat of the project site and immediate area.

Site B – 2010_CHA-897

This site is a fairly wooded site as is the surrounding adjacent area. The MNR must underline the need to address woodland significance of this site. Furthermore, consideration for fish and fish habitat should be carried out due to the watercourse located on and adjacent to the site. Based on the site characteristics, the potential for Butternut is high; as well MNR NHIC and internal SAR records indicate that the provincially tracked rare species of Halbered-leaved Tearthumb (S3), Brainerd's Hawthorn (S2) and Caughuawaga Hawthorn (S1) are all located in the immediate area. While species of special concern and provincially rare tracked species are not protected by the Endangered Species Act, under the PPS, information pertaining to their location and habitat requirements should be considered when evaluating the significant wildlife habitat of the project site and immediate area.

Site C – 2010_NCR-898

There are three unevaluated wetland pockets located within 120m of the site as is a Large Mouth Bass spawning area, located on Big Rideau River. There are a number of small watercourses also in proximity to the site. Thus considerations for fish and fish habitat, as well as assessing wetland significance must be taken into account when carrying out the Natural Heritage Assessment. Within 120m of the site, there are also some substantial woodlands, which should be assessed for significance and subsequently the potential for Butternut (Endangered) is highly likely on this site. MNR has reviewed NHIC and internal records and has element occurrence information pertaining to the Prairie Warbler (S3B), a provincially tracked rare species.

Site D – 2010_BUR-899

There are substantial woodlands located throughout this property, not to mention a number of hedgerows, which suggests that Butternut may be located on site. Furthermore, the MNR advises that the consideration for woodland significance would be prudent, in addition to those woodlands on the adjacent lands. There are also a number of pockets, on site and within 120m of the site that are noted as unevaluated wetlands. As such, works proposed within 120m of these sites must carry out evaluation of the feature significance and may further require an EIS. There are also a number of watercourses that pass through the site, and thus consideration for wildlife and more specifically fish and fish habitat must also be noted. Lastly, MNR's NHIC records show no additional species at risk information.

Site E – 2010_SCR-900

There are woodlands immediately adjacent to the site which could be potentially significant woodlands and thus consideration for woodland evaluation is encouraged. Furthermore, the MNR notes that with these adjacent woodlands as well as the hedgerows located on site, there is the potential for Butternut to be present on site. There are also watercourses that run adjacent to the site, and thus consideration for fish and fish habitat is also recommended. MNR's NHIC records show that Prairie Warbler (S3B – provincially tracked rare species) is located in the immediate area.

Although this data represents the MNR's best current available information, it is important to note that a lack of information for a site does not mean that additional features and values are not present. As such, the MNR continues to strongly encourage detailed site assessments for all features and values. Furthermore, the same applies for Species at Risk occurrences; MNR does not have records of all occurrences and as such if MNR does not have the information it does not mean that there are no Species at Risk (SAR) at the location. MNR must note further, that there may not be any records currently held for newly listed Endangered and Threatened species and therefore for both above mentioned reasons, the MNR continues to encourage ecological site assessments to determine the potential for other SAR occurrences. When a SAR does occur on a proposed site, it is recommended that the proponent contact the MNR for technical advice and to discuss what activities can occur without contravention of the Act. If an activity is proposed that will contravene the Act (such as Section 9 or 10), the proponent must contact the MNR to discuss the potential for application of certain permits (Section 17) or agreement (Regulation 242/08). For specific questions regarding the Endangered Species Act (2007) or species at risk, please contact Species at Risk Biologist, Paula Norlock at paula.norlock@ontario.ca . Not only is the ecological site assessment vital for assessing those Species at Risk on and adjacent to the site, however, it can also serve as the foundation for evaluating Significant Habitat of Endangered and Threatened species within the identified study area.

As many of the sites do have watercourses associated with them, if works pertaining to such watercourses are require (e.g. watercrossing for access road, etc.) in water works timing windows as well as permitting may be required from the Ministry of Natural Resources and/or the local Conservation Authority in this regard. For information pertaining to work permits, please contact Deborah Nizman, MNR Lands Technician, at Deborah.Nizman@ontario.ca.

During the records review stage, the proponent should be collecting all available wildlife and wildlife habitat related information for the proposed project location, including information on bird and bat species, candidate and confirmed Significant Wildlife Habitat (SWH) (including bird and bat SWH) and other related data. To do this we recommend proponents begin by classifying all lands at or within 120 metres of the project site using ELC system to community series (using aerial photography and other information sources) and then identifying candidate SWH using the definitions in the Significant Wildlife Habitat Technical Guide and the draft criteria for Ecoregion 6E (link in Appendix B.5 of the new Natural Heritage Reference Manual, 2010).

A 120 metre setback applies to any confirmed SWH. For unevaluated or candidate habitats, the proponent may consider those habitats as significant and apply the setback. If the proponent proposes to develop within the candidate habitat or setback, the significance of the habitat must be evaluated (using the SWHTG and ecoregional criteria listed above). If the habitat is confirmed significant, and the proposal still calls for development within the habitat or the setback, an EIS is required. This same rationale also applies to other natural features including Significant Woodlands, and Significant Valleylands.

For the purposes of the required Natural Heritage Assessment report, the MNR recommends the following sources of direction and information as areas by which to begin the desktop portion of your review:

- Natural Heritage Reference Manual (2010) – the newly published NHRM is a key document for understanding the importance of and the criteria for evaluating the various Natural Heritage Values on the landscape (including Significant Woodlands). This document can be accessed via: http://www.mnr.gov.on.ca/en/Business/LUEPS/Publication/249081.html
- Significant Wildlife Habitat Technical Guide (1999) – this document provides further technical direction and information as it relates to Significant Wildlife Habitat: http://www.mnr.gov.on.ca/en/Business/FW/Publication/MNR_E001285P.html
- Ontario Wetland Evaluation System: http://www.mnr.gov.on.ca/en/Business/Biodiversity/2ColumnSubPage/STEL02_176756.html

If you have any questions, please do not hesitate to contact me.

Sincerely,

Laura Melvin
A/ District Planner
Resource Management Planner
laura.melvin@ontario.ca

McRae, Elizabeth

From: Fraser, Jim (MNR) [Jim.A.Fraser@ontario.ca]
Sent: Wednesday, July 14, 2010 8:56 AM
To: Male, Sean
Subject: RE: Northland Power - Proposed Soal Projects - Meeting Request
Attachments: Facilitated Application for Endangered Species Act_17(2)(c)_Butternut.doc; PER-AGR-Process-Chart-2009-07-13.pdf; Permit C Proponent-Submission-Info-2009-07-09 .doc

Good morning Sean,

I have attached a variety of information that should help with the Endangered Species protocol. Kemptville District is prepared to meet with proponents when they have the Natural Heritage Assessment (NHA) completed for each site in a **draft form**. Ideally the proponent will forward the draft NHA to my attention with a request to meet. I will have the appropriate staff review the document prior to the meeting. The more complete the information is as required for the NHA, the more time we will be able to spend discussing next steps. We hope to be able to discuss in detail the requirements for approvals and permits at that time based on complete investigations of the natural values present on the site.

Again as we have a large number of FIT projects within this District, requests will be dealt with on a first come/first served basis. Every attempt will be made to host a meeting at the earliest opportunity. I understand Recurrent will actually be forwarding a draft NHA today. We look forward to reviewing this document for completeness and planning the next steps for moving the process forward.

With thanks,
Jim Fraser

From: Male, Sean [mailto:SMale@Hatch.ca]
Sent: July 6, 2010 10:16 AM
To: Fraser, Jim (MNR)
Cc: Watchorn, Rick (MNR); Melvin, Laura (MNR); Smithers, Scott (MNR); Cotnam, Erin (MNR); Arnold, Kimberley; 334844; Tom Hockin; Mike Lord
Subject: Northland Power - Proposed Soal Projects - Meeting Request

Hi Jim,

We would like to arrange a meeting to discuss Northland Power's proposed solar projects within the district.

In particular, we would like to discuss the results of our site investigations conducted thus far. In relation to that, there is one project site where Butternut were identified. In order for that project to proceed, several of these trees will very likely need to be removed which would trigger a permit requirement under the ESA. We would like to start consultation on the permit requirements in that respect.

Will there be availability with your staff to meet in the coming weeks to review these projects?

Thanks,

Sean

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

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Facilitated Application for Endangered Species Act Clause 17(2)(c)
Permit for Removal of Butternut Trees in the ……

Kemptville District, Ontario Ministry of Natural Resources – Date

Introduction

Applicant has applied for the removal and/or transplanting of butternut trees for the purpose of project details. The subject lands are located detailed location information (Lot, Concession/roll number/municipality/UTMs, etc.).

The subject property has a total area of hectares. Any important background information on location/association with other surrounding development, etc.

Consultants for the proponent include any parties involved in this application (experts etc.).

Background

The project lands are designated as XXX in Municipality of XXX Official Plan. The portion of the site proposed for project is zoned XXX.

Relevant background information.

Inventory of Species at Risk

Summary.

Activities and Impacts

Summary activities and impacts to SAR.
Feasible alternatives/avoidance. Why it is or is not possible.

Overall Benefit Proposal [BUTTERNUT]

<u>Plantings</u>

It is proposed to plant butternuts at the following ratios based on the size of retainable butternut trees removed/transplanted:

- butternut trees between 15 and over dbh - 20:1 compensation ratio
- butternut trees between 3 and 14cm dbh - 5:1 compensation ratio
- butternut trees between 0 and 2cm dbh - 2:1 compensation ratio

If all of the butternut trees identified above are removed then:
Numbers by size calculation

Total: X plantings.

This overall benefit proposal is based on input received by XXX.

Detailed planting plan (include potential 3rd party agreements, maps of locations and spacing for planting, other companion trees to be planted, where local genetic stock is coming from, timelines, history of sites to be planted on (i.e. not being developed), appropriate habitat, etc.)

Cloning Archivable Tree

If possible. Details.

Seed Collection

If possible. Details.

Planting of Grafted Trees

If possible. Details.

Other potential ideas for overall benefit and recovery of butternut

Summary of all actions to ensure overall benefit.

Recommended Permit Conditions [EXAMPLE]

The butternut plantings/transplanting are to be done according to the landscape planting plans approved by the Ontario Ministry of Natural Resources, with the following conditions applying to all planting sites:

- *Ontario Ministry of Natural Resources are to be given the opportunity to approve the appropriateness of the butternut trees to be planted prior to the actual planting operations;*

- *The plantings will be done in the spring between April 15th and May 10th and in the autumn of 2010 using ordered planting stock. The butternuts will be planted in open areas with full sunlight conditions. The butternut plantings will be spaced at least three metres from other planted trees and at least seven metres from retained established tall-growing trees and at least ten metres from any existing butternut trees;*

- *Control of vegetation around planted seedlings will be implemented including a weed-free zone of 60cm radius around each planting. The vegetation control will be completed using manual or mechanical methods, or the application of mulch;*

- *The plantings will be protected with tree guards for the first three growing seasons and then, if necessary, with wire mesh;*

- *Watering will take place during drought conditions where there is less than 25mm of rain during a thirty day period in the growing season;*

- *Tending of the planted butternut trees is to occur for a period of five years after planting to ensure the Overall Benefit proposal is achieved;*

- *The planted butternut trees are to be monitored monthly during the growing season at the proponent's cost for the first two years and then three times per year including each spring after leaf-out for the following three years. The following information will be included for each planted tree in the monitoring reports: planting date, date and type of tendering, tree condition, main stem height, number of stems, dbh and diameter of live trees at root collar, evidence of butternut canker (open cankers or sooty patches), damage by wildlife, people or events and photos. Copies of the monitoring reports will be provided to the Ontario Ministry of Natural Resources, other.*

- *Corrective measures such as replacement butternut plantings in the following spring, are to be applied as required and directed by the agencies;*

- *At the end of the five year monitoring period, exclusive of potential canker impacts, where feasible a minimum of XX (at least half) butternut trees are to be in a growing condition acceptable to the Ontario Ministry of Natural Resources;*

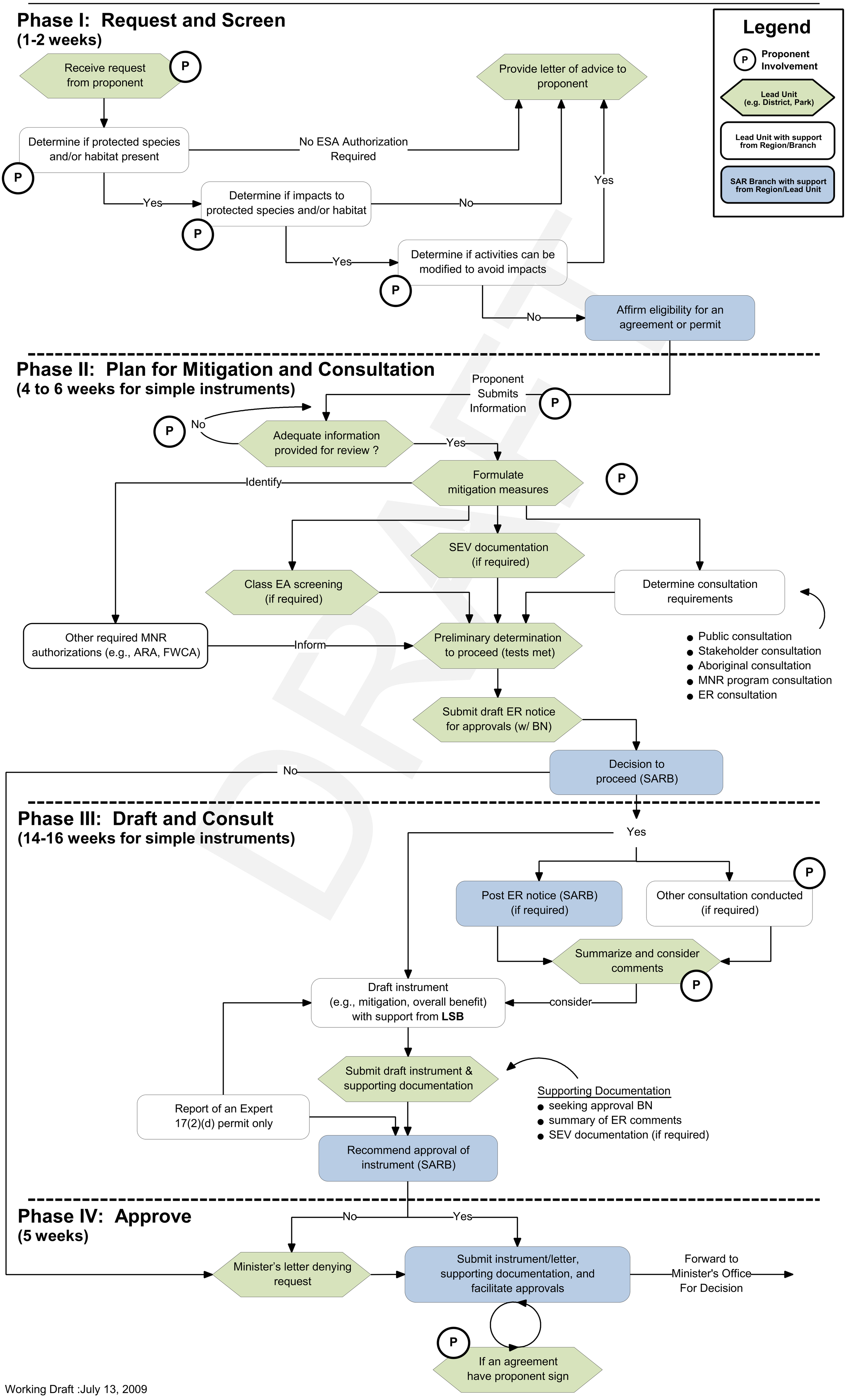
- *Sampling and testing will be permitted as requested by the Ontario Ministry of Natural Resources. On reasonable notice but without limitation into the future, Applicant and/or their successors will allow site access to staff of the Ontario Ministry of Natural Resources for purposes of observing the planted butternut trees. In addition Ontario Ministry of Natural Resources staff will have access to the existing on-site butternut trees for any sampling requirements such as seed collection, collection of tree tissues, core sampling of trees to be removed and other sampling purposes. Ontario Ministry of Natural Resources staff will be notified at least one week prior to any cutting of non-retainable or retainable butternut trees;*

- *The development and associated tree removal will be conducted in phases, explanation of phases if possible…*

- *The butternuts to be retained (details where retaining was made possible). and,*

Prepared by:

DRAFT Process for Requesting s.17 Permits and Ontario Regulation 242/08 Exemption Agreements



Working Draft :July 13, 2009

ESA 17 2(c) Permit:

Proponent Submission Information

Licence/Permit # (if applicable) **Date Submitted:**

Proponent name and contact info:

Name:
Position:
Current Address: (as appears on permit/licence)

Tel: Fax:
Email:

Landowner name and contact info: (if Licensee/permittee is not the landowner)

Name:
Position:
Current Address: (as appears on permit/licence)

Tel: Fax:
Email:

Location of the Project:

Lot(s):
Concession(s):
Geographic Township(s):
Municipality:
County:

Species at risk involved in the project:

Name: Status: (e.g. Threatened on SARO list)

Information to support the occurrence of a protected species or protected habitat:

(Include the results or reports from any surveys that may have been undertaken and maps of sufficient detail to locate occurrences of species and/or habitats.)

Summary/list of the activities for which an ESA 2007 authorization is being sought:

Details on each activity that may contravene the Act:

(e.g., purpose, timing, duration, frequency)

Description of how these activities potentially impact protected species and/or habitat:

(e.g., timing, duration, intensity, extent of effects)

Description of existing or proposed measures to provide overall benefit to the adverse effects of the activities being undertaken:

Part A – Steps to Minimize Adverse Effects: Provide detailed descriptions of the measures that will be undertaken to minimize adverse effects on the species and the habitats to which the permit applies. This must include adequate and specific information on timing, sequencing, durations, technological measures, preventative measures, remedial measures, and compensatory measures to allow the Ministry to fully evaluate the anticipated effectiveness of the proposed measures. (Where there are multiple species or taxa requiring different mitigation regimes then these should be listed out separately within appropriate groupings.)

Part B – Monitoring and Reporting (where required): Provide detailed descriptions of monitoring including timing, frequency, specific methodologies, etc. The monitoring protocol should also include the submission requirements (i.e. data collected and any data analyses undertaken, photographs, schedule of reporting).

Any other reasonably required information to support a request for a Permit:

McRae, Elizabeth

From: Cameron, Amy (MNR) [Amy.Cameron@ontario.ca]
Sent: Wednesday, September 29, 2010 8:16 PM
To: Arnold, Kimberley; Zurbrigg, Heather (MNR)
Cc: Tom Hockin; Male, Sean; 334844
Subject: RE: Northland - Revised NHA Reports - Rideau Lakes and Crosby

Thanks Kim. We'll be accessing these soon to review them.

Amy Cameron Planning Ecologist
MNR Pembroke District (613) 732-5506

From: Arnold, Kimberley [mailto:KArnold@HatchEnergy.com]
Sent: Wed 29/09/2010 7:15 PM
To: Zurbrigg, Heather (MNR); Cameron, Amy (MNR)
Cc: Tom Hockin; Male, Sean; 334844
Subject: Northland - Revised NHA Reports - Rideau Lakes and Crosby

Hello Heather and Amy,

Sean is away on holiday this week, so I am sending you the revised NHA Reports for Northland's Rideau Lakes and Crosby Solar Projects. These revisions made were based on your discussions with Sean and Tom on September 17th.

Due to the size of the files, I have placed the reports on our FTP server. The login information is provided below. Please use Windows Explorer, instead of Internet Explorer, as the latter appears to give most people problems in accessing the server:

ftp.hatch.ca <ftp://ftp.hatch.ca/>

Username: 334844

Password: Crew87PoW!

If you have difficulties accessing the files, or further comments on these reports, please do not hesitate to contact myself or Sean next week when he returns.

Thanks, Kim.

Kimberley Arnold, B.Sc., M.E.S.
Manager - Environmental Services, Renewable Power Hatch
Phone: 905.374.0701 Ext. 5318
Email: karnold@hatch.ca <mailto:karnold@hatch.ca> P Please consider the environment before printing my e-mail

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McRae, Elizabeth

From: Cameron, Amy (MNR) [Amy.Cameron@ontario.ca]
Sent: Tuesday, October 19, 2010 3:29 PM
To: Male, Sean
Cc: Zurbrigg, Heather (MNR); Cameron, Amy (MNR)
Subject: FW: Northland Power - Rideau Lakes NHA comments

Sean,

Heather and I were just going through the Northland Rideau Lakes NHA reports and overall it is very good. There are a few things that should be considered.

Site Investigation Report

1. provide additional background information as to why the forest is not considered to have a high diversity of habitats. (ie. Limited age classes, species composition etc.)
2. similar to point #1 provide additional background information as to why the remainder of the project area and lands within 120m does not have highly diverse areas.
3. what was the forest composition within the old growth area? Would these species fit the category of abundant mast?
4. Prairie Warbler – was there a targeted survey completed for this species? If so please indicated. If not further justification of statement in section 4.2.1.3 "not recoreded on site" needs additional support related to habitat suitability etc.
5. common nighthawk – was the area within 120m investigated for habitat suitability or presence/absence of the species?
6. Bobolink was found on site and at the time of the report being written it needed to be considered as SWH but now falls under species at risk ESA legislation. Bobolink will not be considered under the NHA. We will have to look further into species at risk permits for bobolink.
7. we will discuss with out District ecologist and species at risk biologist as to whether Gray Ratsnake and Whip-poor-will require any additional work/permits etc. Again this will be considered under the ESA not NHA requirements.

Evaluation of Significance

1. section 4.2 – last paragraph – please indicate here that MNR considers the woodland to be significant based on size, old growth, interior, linkages, water protection.
2. suggest not using the EONHWG 2003 model for consideration of woodland significance.
3. section 4.4 – again suggest taking out EONHWG 2003 information and including only MNR information that was provided.
4. overall MNR agrees with the determination of significance for wildlife habitat. If there are any suggestions brought forward after our meeting with the District Ecologist we will bring them to your attention.

Environmental Impact Study

1. we need to see the site layout (Appendix indicates it will follow – just wondering if it is ready yet).
2. decommissioning of fencing needs to be noted
3. consideration of the following regarding fencing issues should also be included: how to deal with trapped wildlife
4. vegetation maintenance and fencing maintenance requirements within the 30m setback – will anything be required in this area?
5. additional justification as to why the project will not impact the significant woodlands or the significant wildlife habitat within the woodlands (essentially explain why the 30m setback is considered sufficient)
6. for construction, operation, and decommissioning plans let's change "snakes and turtles" to "amphibians and reptiles" or "herpetiles"
7. instead of "incidental take" and negligible effects you should instead focus more on avoidance being the primary objective.
8. Summary Table 5.1 –
    a. References to amphibians, should be "amphibians and reptiles"
    b. In the incidental take of wildlife section we would like to see it more focussed on avoidance as the primary objective. As such we suggest the following (and any other language you feel might need to change to adhere to this):

- Mitigation strategy: add some language around visual monitoring and appropriate removal or avoidance measures
- Performance Objectives: make this about avoidance
- Methodology: mention removal of wildlife
- Frequency: add ‘on a continued basis’
- Rationale: to whom will this be reported.

Maps

1. we would like to discuss further with you how the maps should look in order to meet the regulation requirements -- we can discuss this further with you perhaps later this week or early next week at your convenience

Other items

1. make sure you are communicating with the conservation authority about culverts and underground cable if your intention is to have the cable pass under the stream or if water works are required for its installation.

Let me know if you have any questions.

Amy Cameron
Planning Ecologist

MNR Pembroke

613-732-5506

McRae, Elizabeth

From: Cameron, Amy (MNR) [Amy.Cameron@ontario.ca]
Sent: Thursday, October 21, 2010 4:43 PM
To: Male, Sean
Cc: Zurbrigg, Heather (MNR)
Subject: Rideau Lakes and Crosby

Hi Sean,

Comments from our meeting today with our District ecologist and the Species at Risk Biologist:

Rideau Lakes:

-ovenbird – satisfied with the 30m setback from forest edge,
-need idea of what activities are planned in the 30m buffer area and where the fence will be located in relation to the forest edge and the solar panels
-speak more specifically to mast production in the old growth forest and the tree species composition
-prairie warbler, occurance is found to be not relevant to that site. May be removed from list of potential species
-highly diverse areas: we want to know what scale you are looking at. You are on the edge of the Frontenac axis and need to consider this … and be able to defend that that you are not changing the diversity to any appreciable level
--we will get more info to you on Canada warbler and whether this species should be assumed to be present on this site
-Golden winged warbler, not likely on the site, shouldn't be assumed to be on the site.
-early hairstreak.. record is not relevant to this project area and should not be considered on this site.

Species at Risk Concerns (you will be getting a letter from the Species at Risk biologist in the near future elaborating on these concerns)
-bobolink was found on site, we will be getting more information to you about how to approach
-grey ratsnake probably occurs here, was a targeted survey for this species done during site investigation? Near building? Otherwise?
-common nighthawk and whip poor will could be present – were targeted surveys done for these species?

Crosby:

-same comment as above for diverse areas
-mention of rockpiles in the field notes but this is not carried into any part of the report
-northern harrier- need more justification..more thorough in ruling this out as SWH
-did you go into the woodlands to look for Significant Wildlife Habitat?

Species at Risk Concerns:
-possible American Ginseng in woodland on site
-probable ratsnake on site
- were there targeted surveys performed for these species?

For the Crosby site: FYI, there will be concerns about removal of the woodlots on site before the Species at Risk concerns are sufficiently addressed.

Hope this helps a bit in your revisions, please contact Heather or myself if you have any further questions or concerns.

-Amy Cameron
Planning Ecologist
MNR – Pembroke District
(613)-732-5506

McRae, Elizabeth

From: Male, Sean
Sent: Monday, November 15, 2010 12:13 PM
To: 'Zurbrigg, Heather (MNR)'
Cc: 'Cameron, Amy (MNR)'
Subject: Crosby and Rideau Lakes

Heather,

I have put the files for Crosby and Rideau lakes back on the FTP site.

I had an issue with the EIS in that I couldn't upload either the complete PDF or the Site Plan on its own. I have placed the text of the report and the figure on the FTP site and will try to resolve with IT here why I couldn't get the full EIS up.

I'm not sure if Amy managed to download a copy last week before it disappeared.

Thanks,

Sean

Sean K. Male, M.Sc.
Terrestrial Ecologist/Environmental Assessment & Management

HATCH™

Tel: +1 905 374 0701 ext. 5280
Fax: +1 905 374 1157
4342 Queen Street, Suite 500, Niagara Falls, Ontario, Canada, L2E 7J7

McRae, Elizabeth

From: Zurbrigg, Heather (MNR) [Heather.Zurbrigg@ontario.ca]
Sent: Friday, November 19, 2010 4:12 PM
To: Male, Sean
Cc: Cameron, Amy (MNR)
Subject: rideau lakes solar project - northland

Hi Sean,

We have had a chance to review Northland Rideau Lakes Natural heritage report and have the following comments:

One comment for all of the maps in the NH reports first we'd like to see across the board in all NHA submissions: we'd like to see 'candidate' significant habitat delineated in the site investigation map. And once you have determined through evaluation, what is SWH and what isn't, those can be indicated on the EOS map, or eliminated if they are not a consideration. We'd just like to be able to distinguish at first glance what is 'candidate' and what has been determined to be SWH after evaluation. Thanks!!!

Here are our (hopefully) final comments for the Northland **Rideau Lakes** project. We'll have the Crosby comments to you hopefully by the end of the day next Tuesday.

Thanks so much for addressing our last comments, in reviewing again, we have a couple of additional comments – mostly textual.

Records Review - complete

Site Investigation - some minor textual revisions required and comments about information in report
1. P.8 the text indicates the field was ploughed and no longer provides habitat but the photo shows the field is still vegetated to a large extent. The text and picture do not tell the same story.
2. P. 12 reptile hibernacula were not found. The text states that no animal burrows were found in the field which would be unusual considering the size of the field. Is this because the field was ploughed or there really isn't any or the area wasn't thoroughly searched?
3. P.11/12 Raptor winter feeding and roosting - text states that roosting sites may be found in mature mixed forest types. This section would be better if it spoke directly to the composition of trees in the old growth that enabled this area to be ruled out as Candidate SWH.
4. P.13 Forests providing a high diversity of habitats - is there any information available about presence of cavity trees?
5. P.15 Remove section on Canada Warbler if warranted as per our discussions (input from MNR bio, your research etc.) on this topic of a week or so ago

Evaluation of Significance -
1. Remove all references to Canada Warbler (if warranted as per discussion, research and MNR bio input.)
2. P.8 Savannah Sparrow - it would be better if this section quantified what this means. For example provide information on the home range size of this species and the amount of suitable habitat this site offers (in hectares) and the amount of suitable habitat remaining within a 1km radius etc. Then provide percent habitat loss this would represent.
3. P.9 Old Growth Forest - species diversity unknown - the site investigation report indicated that the Old growth area was similar in composition to the surrounding woodlot which was dominated by Maple. This info should be included here instead of saying unknown.
4.P10 Highly diverse areas - Species diversity - complete species inventory not taken but there is species information that should be discussed here, including trees and bird info that represent different habitat types. This also needs to be considered in relation to the bigger picture.
5. P11 - Species of Conservation Concern -woodland / hedgerow - this section would be better if there was a discussion about the site fidelity of these species.
6. P.12 and 14 Date of Beginning and Completion - change to date final report submitted this time rather than July.

EIS -
1.remove references to Canada Warbler and habitat (if it is determined that there is no concern as per our previous discussion, your research and input from an MNR bio)

2. P.11 Removal of trees (hedgerows) should be included in site preparation and date of removal should be before bird breeding season.
3. Just a question on the chart for the breeding bird mitigation and the contingency measure of defaulting to a 30m buffer. Perhaps we can discuss on Tuesday?

Maps:

1. It would be better if project layout was on consistent mapping product to what is seen in the Site investigation and the EOS and EIS so it's easier for us to interpret in relation to features in area.
2. Do we have the final maps for this report? EOS map looks good-. Please indicate 'candidate' in the SIR map for SWH features. Need to delineate the veg. management area on the EIS map. Remove ref. to Canada Warbler if warranted on all maps.

Thanks Sean!

Amy and Heather

****

Heather Zurbrigg
Renewable Energy Planning Ecologist
Ontario Ministry of Natural Resources
(613)-258-8366

gx Please consider the environment before printing this e-mail.

McRae, Elizabeth

From: Cameron, Amy (MNR) [Amy.Cameron@ontario.ca]
Sent: Monday, December 13, 2010 10:54 AM
To: Male, Sean
Cc: Fraser, Jim (MNR); Zurbrigg, Heather (MNR)
Subject: RE: rideau lakes solar project - northland

Importance: High

Sean,

I have completed the final review for Rideau Lakes and we are satisfied with the report but have some very minor tweaks that need to be made in the EOS. We will be moving forward with the NHA letter in anticipation of these changes.

1. EOS p.8 - Habitat for Savannah Sparrow. It is stated that the project area represents 10% of the habitat available in the planning area, but in the sentence before that the 10% was based on available habitat within a 1km radius. Could you please clarify where the 10% is coming from. If it is from within the planning area could you please clarify if the planning area is the geographic township, municipality etc.

2. EOS pg. 10 - Highly Diverse Areas - Presence of Rare Species. Canada Warbler should not be assumed present therefore this criteria is not met.

3. EOS Map - hedgerows are not delineated on this map as a candidate feature that is being carried forward for evaluation of significance. Please add this feature to the map. Since it was not found to be a significant wildilfe habtiat feature it does not need to be on the EIS map (which it is not).

4. Is there a final project layout map available for this site?

Thanks,

Amy Cameron Planning Ecologist
MNR Pembroke District (613) 732-5506

From: Zurbrigg, Heather (MNR)
Sent: Fri 19/11/2010 4:11 PM
To: 'Male, Sean'
Cc: Cameron, Amy (MNR)
Subject: rideau lakes solar project - northland

Hi Sean,

We have had a chance to review Northland Rideau Lakes Natural heritage report and have the following comments:

One comment for all of the maps in the NH reports first we'd like to see across the board in all NHA submissions: we'd like to see 'candidate' significant habitat delineated in the site investigation map. And once you have determined through evaluation, what is SWH and what isn't, those can be indicated on the EOS map, or eliminated if they are not a consideration. We'd just like to be able to distinguish at first glance what is 'candidate' and what has been determined to be SWH after evaluation. Thanks!!!

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Thanks so much for addressing our last comments, in reviewing again, we have a couple of additional comments - mostly textual.

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Site Investigation - some minor textual revisions required and comments about information in report

1. P.8 the text indicates the field was ploughed and no longer provides habitat but the photo shows the field is still vegetated to a large extent. The text and picture do not tell the same story.

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Evaluation of Significance -

1. Remove all references to Canada Warbler (if warranted as per discussion, research and MNR bio input.)

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EIS -

1.remove references to Canada Warbler and habitat (if it is determined that there is no concern as per our previous discussion, your research and input from an MNR bio)

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Thanks Sean!

Amy and Heather

****

Heather Zurbrigg

Renewable Energy Planning Ecologist

Ontario Ministry of Natural Resources

(613)-258-8366

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Ministry of Natural Resources

Ministère des Richesses naturelles

Ontario

Kemptville District
10 Campus Dr.
Kemptville, ON
K0G 1J0

December 8, 2010

Sean Male
Hatch
Environmental Assessment & Management
Niagara Falls, Ontario

Dear Mr. Male,

In accordance with the Ministry of the Environment's (MOE's) Renewable Energy Approvals (REA) Regulation (O.Reg.359/09), the Ministry of Natural Resources (MNR) has reviewed the natural heritage assessment and environmental impact study for Rideau Lakes Solar Project in the township of Rideau Lakes in the United Counties of Leeds and Grenville submitted by Northland Power Solar Rideau Lakes L.P.

In accordance with Section 28(2) and 38(2)(b) of the REA regulation, MNR provides the following confirmations following review of the natural heritage assessment:

1. The MNR confirms that the determination of the existence of natural features and the boundaries of natural features was made using applicable evaluation criteria or procedures established or accepted by MNR.
2. The MNR confirms that the site investigation and records review were conducted using applicable evaluation criteria or procedures established or accepted by MNR, if no natural features were identified.
3. The MNR confirms that the evaluation of the significance or provincial significance of the natural features was conducted using applicable evaluation criteria or procedures established or accepted by MNR.
4. The MNR confirms that the project location is not in a provincial park or conservation reserve.
5. The MNR confirms that the environmental impact assessment report has been prepared in accordance with procedures established by the MNR.

This confirmation letter is valid for the project as proposed in the natural heritage assessment and environmental impact study, including those sections describing the Environmental Effects Monitoring Plan and Construction Plan Report. Should any changes be made to the proposed project that would alter the NHA, MNR may need to undertake additional review of the NHA.

Where specific commitments have been made by the applicant in the NHA with respect to project design, construction, rehabilitation, operation, mitigation, or monitoring, MNR expects that these commitments will be considered in MOE's Renewable Energy Approval decision and, if approved, be implemented by the applicant.

In accordance with S.12 (1) of the Renewable Energy Approvals Regulation, this letter must be included as part of your application submitted to the MOE for a Renewable Energy Approval.

If you wish to discuss any part of this confirmation or additional comments provided, please contact Heather Zurbrigg at 613-258-8366 or at Heather.Zurbrigg@ontario.ca

Sincerely,

Alex Gardner
District Manager
Kemptville District MNR

cc. Jim Beal, Renewable Energy Provincial Field Program Coordinator, Regional Operations Division, MNR
Narren Santos, Environmental Assessment and Approvals Branch, MOE

Appendix G
Correspondence with Municipalities

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McRae, Elizabeth

From: Male, Sean
Sent: Wednesday, June 30, 2010 5:07 PM
To: dianna@twprideaulakes.on.ca
Cc: slaidman@twprideaulakes.on.ca; 334844; tom.hockin@northlandpower.ca; mike.lord@northlandpower.ca; Arnold, Kimberley
Subject: Northland Power's Proposed Solar Projects within Township of Rideau Lakes
Attachments: H334844-0000-07-124-0007 - Crosby - Rev D.pdf; H334844-0000-07-124-0001 - McCann-Rev E.pdf; H334844-0000-07-124-0010 - Rideau Lakes - Rev D.pdf; Rideau Lakes Municipal Consultation Form.pdf; McCann Municipal Consultation Form.pdf; Crosby Municipal Consultation Form.pdf

Dear Ms. Bresee,

Please find attached copies of the Project Description Reports and Municipal Consultation Forms for Northland Power Solar's proposed solar projects within the Township of Rideau Lakes, known as the Crosby, McCann, and Rideau Lakes projects.

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

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

If you have any questions about the Municipal Consultation Form or the Renewable Energy Approval process, please do not hesitate to contact me. For your information, a representative of Northland Power and I met with Sheldon Laidman of the Township on June 15th to initiate municipal consultation in respect of these proposed projects.

Sincerely,

Sean

Sean K. Male, M.Sc.
REA Coordinator
Hatch
905-374-0701 x5280
smale@hatch.ca

HATCH™

Northland Power Inc. on behalf
of Northland Power Solar
Rideau Lakes L.P.
Toronto, Ontario

Draft Project Description Report

Northland Power Solar Rideau Lakes - Solar Energy Project

H334844-0000-07-124-0010
Rev. D
April 5, 2010

May 10, 2010

Northland Power Inc. on behalf of Northland Power Solar Rideau Lakes L.P.

Draft Project Description Report

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1. Introduction

Northland Power Solar Rideau Lakes L.P. (hereinafter referred to as "Northland") is proposing to develop a 10-MW solar photovoltaic project titled Northland Power Solar Rideau Lakes (hereinafter referred to as the "Project"). As required, Northland is commencing with the Renewable Energy Approval (REA) process as required and described in Ontario Regulation 359/09 under the *Environmental Protection Act*. This Project Description Report has been prepared in accordance with O. Reg. 359/09.

The Project is located in the Township of Rideau Lakes, within the United Counties of Leeds and Grenville.

Northland is the proponent of the Project. The contact information is as follows:

Michael Lord
Manager, Business Development
Northland Power Inc.
30 St. Clair Ave. West, 17th Floor
Toronto, ON
M4V 3A1

Tel: 416-962-6262, Ext. 138
Fax: 416-962-6266
Email: mike.lord@northlandpower.ca

Northland has retained Hatch Ltd. (Hatch) to assist Northland in meeting the REA requirements. Contact information for Hatch is as follows:

Kimberley Arnold
Manager – Environmental Services, Renewable Power
4342 Queen Street, Suite 500
Niagara Falls, ON
L2E 7J7

Tel: 905-374-0701, Ext 5318
Fax: 905-374-1157
Email: karnold@hatch.ca

The Project Description Report is the first step in the REA process. As required, Northland will complete the requirements for obtaining the REA as identified in O.Reg. 359/09.

Northland has applied for a Feed-In-Tariff (FIT) contract with the Ontario Power Authority (OPA). In the application for the FIT contract, a proposed commissioning date is required. The commissioning date for the Project is dependent on the timing of a Contract Offer from the OPA, but is expected to be achieved by the end of 2011.

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2. Project Details

The following sections are intended to satisfy the requirements of Table 1 to O. Reg. 359/09: Section 10 – Project Description Report which directs the proponent to provide a description of the Project. Further details on the design of the Project will be provided in subsequent required reports as per O. Reg. 359/09, including the Construction Plan Report, Design and Operations Report and the Decommissioning Plan Report.

2.1 Energy Sources to Generate Electricity

Solar energy will be used to generate electricity.

2.2 Facilities, Equipment and Technology

The proposed Project is a renewable energy generation facility which will use solar photovoltaic technology. Electricity generated by solar photovoltaic panels will be converted from DC to AC by an inverter, and subsequently stepped-up (via transformer) to 44 kV prior to being connected to the distribution line. In order to meet OPA's FIT Program requirements, a specific percentage of equipment will be manufactured in Ontario.

At this time the solar module information, including make, model, size, dimensions, number of modules, etc. has not been determined. It is estimated that between 45,000 to 55,000 solar panels will be installed and approximately 20 inverters will be required.

2.3 Class of the Renewable Energy Facility

The Project will be a Class 3 solar facility. That is, the Project is ground mounted and greater than 10 kW.

2.4 Federal Involvement

No Federal lands or resources will be utilized for the Project and based on the resources within the Project area, issues under Federal jurisdiction are not anticipated. Therefore, no Federal involvement (including permits and approvals) is required.

2.5 Project Activities

The Project activities involved in the construction, operation and decommissioning phases of the Project are outlined in the following sections. It is anticipated that the time for construction is 4 to 8 months, depending on time of year and various other factors. Prior to construction, the area will be surveyed. Any buried infrastructure will be located prior to commencing with access road construction and site preparation.

2.5.1 Access Road Construction

New access roads on private land will be required to allow transport of equipment from the main (municipal) road to the Project site. If necessary, the topsoil and subsoil will be removed prior to placement of a granular base. A one-lane, 5-m wide access road will be constructed which will be of sufficient size for the transportation of equipment. The minimum thickness of the access road granular base and top course material will be at least 30 cm. Ditches and culverts will be constructed, if necessary, to maintain site drainage. Erosion and sedimentation control measures

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(e.g., silt fence barriers, rock flow check dams, etc) will be installed if needed. If temporary access roads are to be removed following completion of construction, topsoil will be replaced.

2.5.2 Site Preparation

Where practical, topsoil will be stripped from temporary access road locations and stored adjacent to the roads. Locations of topsoil and subsoil stockpiles will be determined in consultation with the landowner and not within 30 m of a water body. If topsoil is not stripped, the agricultural crops will be left uncut or shredded and left on the soil surface over the entire working area. If necessary to control sediment, erosion and sedimentation control measures will be installed.

2.5.3 Installation of Support Structures

Foundations and/or support structures will be required beneath transformers, inverters and photovoltaic panels. Detailed engineering for the design of the foundations and support structures are to be completed. However, it is expected that the pads for the transformers and inverters will be concrete slab-on-grade. It is also anticipated that drilling will be completed for the purposes of stabilizing the support structures of the photovoltaic arrays. The photovoltaic panels will be installed on fixed racking structures. Foundation construction and the installation of support structures will be subject to inspection prior to the installation of photovoltaic modules, and wiring.

2.5.4 Underground Cable Installation

DC wiring will run along the structural supports of the photovoltaic arrays. A network of underground DC cabling will be required at the termination point of the photovoltaic arrays to centrally located inverters which will then convert the electricity to AC. A simple trenching device will be used to install the cables, whereby a slot is opened, the cable laid, and the soil replaced.

2.5.5 Distribution Line Erection

An underground distribution line will be constructed which transports the electricity from the inverters to the transformer. The transformer will step up the voltage, and a distribution connection from the transformer will be erected to transport the generated power from the Project to the 44-kV connection point. The connection point and feeder line are owned by Hydro One Networks Inc. (HONI) which is the local distribution company. The distribution line from the Project to the connection point will be along municipal road right-of-ways. New wooden poles (or existing poles) will be used.

2.5.6 Site Security

The Project will be gated and fenced, with additional security measures installed as deemed necessary by Northland. This will include security cameras and motion sensor flood lighting.

2.5.7 Operation

The Project will operate year round and generate electricity during daylight hours. The amount of power generated will depend on daily weather conditions and sufficient solar irradiation. The Project will be operated remotely and therefore no employees will be on site with the exception of maintenance and inspections.

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2.5.8 Maintenance and Inspection

The Project will typically be scheduled for maintenance every 2 to 3 months. Typically, maintenance includes checking the structures, interconnections and cleaning the photovoltaic panels. It is anticipated that the panels will be washed twice a year using on-site water with no cleaning solutions. All the required maintenance materials (e.g., hydraulic fluids) will be brought to the site as required so no on-site storage of this material will be necessary. The Project will also be inspected whenever the power output is lower than anticipated as this would be indicative of a mechanical problem.

2.5.9 Decommissioning

A 35 to 40-year lifespan is typically anticipated for the Project. At that time (or earlier if the power purchase agreements are not extended), the Project will be decommissioned or refurbished depending on market conditions and/or technological changes.

If the decision is to discontinue renewable energy generation, the process would involve the following:

- removal of the scrap metal and cabling. Where possible, these materials will be recycled, with non-recyclables taken to an approved disposal site.
- removal of support structures and foundations unless the landowner requests otherwise. These materials will be recycled where possible.
- site cleanup and regrading to original contours, and any damage to tile drainage system to be repaired/replaced.
- planting of leguminous crops to provide a rapid return of nutrients and soil structure.

Once the Project, other materials, and road network are removed from the site, the fields will be returned to their condition prior to the project at the discretion of the landowner.

2.6 Authorizations Required

Permits, licenses and authorizations such as those listed below, in addition to the REA may be required for the Project to proceed:

- Building Permit – The local municipality will likely require a building permit to undertake construction.
- Conservation Authority Permit – Approval from the local Conservation Authority may be required should development occur within the Conservation Authority's Regulated Area.
- Ministry of Natural Resources (MNR) Work Permit and/or Lakes and Rivers Improvement Act Approval – MNR approval will be required should a water crossing be required for the Project.

2.7 Nameplate Capacity

The nameplate capacity of the Project will be up to 10 MW.

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2.8 Ownership of the Land

The Project will be located on privately owned lands. The proponent has entered into an option to purchase with the landowner. The leased land is approximately 50 ha and zoned Rural. The longitude and latitude are 44.67048 and -76.274671, respectively.

2.9 Potential Negative Environmental Effects

Negative environmental effects may occur as a result of construction and operation of the Project. The environmental components and the potential environmental effect of the Project on the environmental components are provided in Table 2.1. We have completed an Environmental Constraints Assessment which determined where the natural heritage features, water bodies, wetlands (including Provincially Significant Wetlands), quarries/pits, Areas of Natural and Scientific Interest (ANSIs), etc, are located. Therefore, the potential negative environmental impacts to these have been included.

The other environmental components (i.e., not related to natural heritage features and water bodies) have also been included in Table 2.1. However, since these environmental components have not been researched and field studies and impact assessments have not been completed, these potential impacts provided are generic to some solar projects and will not necessarily be realized on this Project.

As part of the REA process for the Project, if environmental features are determined to be significant and within required setbacks from the Project, an Environmental Impact Study (EIS) will be prepared. It is anticipated the EIS will determine the impacts to these features and mitigation measures will be developed to minimize or eliminate the negative effects. In addition, if any water bodies are within the specified setbacks, an EIS will also be prepared.

2.10 Project Location Map

As required in Table 1 of O.Reg. 359/09, an unbound, legible and reproducible project location map on a 215 x 280-mm page showing land within 300 m of the project location is enclosed.

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Table 2.1 Potential Negative Environmental Effects

Environmental Component		Potential Environmental Effect
Natural Environment	Physiography/Topography	During construction, regrading of excavated soils and some minor alterations to local topography may occur.
	Soils	Reductions in soil quality/loss of soils as a result of accidental spills, erosion, soil compaction during construction.
	Aggregate Resources	Not applicable.
	Surface Water	Surface water quality of a tributary of Sucker Creek could be impaired due to contamination from accidental spills or increased turbidity due to erosion during construction.
	Groundwater	Excavations may result in a decrease in the local availability of groundwater due to dewatering. In addition, groundwater may also be impaired by contamination due to accidental spills, or changes in ground water recharge.
	Aquatic Habitats/Biota	The installation of the Project may result in negative impacts to fish and fish habitat, if watercourse crossings are required.
	Areas of Natural and Scientific Interest	Not applicable as there are no ANSI identified within 120 m of the Project site.
	Wetlands	Not applicable as there are no wetlands identified within 120 m of the Project site.
	Vegetation	Vegetation clearing on agricultural land as well as within natural vegetation communities will be required.
	Woodlands	There are woodlands within 120 m of the Project site. These woodlands may be indirectly affected by Project activities, such as the generation of dust during construction which could impact vegetation communities.
	Valleylands	Not applicable as there are no valleylands identified within 120 m of the Project site.
	Terrestrial Wildlife (including species at risk)	Potential loss of wildlife habitat and potential wildlife avoidance of the Project area during construction and operation may occur as a result of disturbance.
	Air Quality	Reductions in local air quality from operation of construction equipment and dust displacement may occur due to vehicle traffic.
Social Environment	Land Use	Current land use will be discontinued within the Project footprint.
	Tourism and Recreation	Any tourism or recreational resources existing within the immediate Project vicinity will be considered in determining potential impacts.
	Archaeological and Cultural Heritage Resources	Excavations during Project construction may result in the discovery of archaeological resources. Archaeological assessments will be conducted to determine potential. Potential heritage resources will be determined as per the requirements of the Ministry of Culture.

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Environmental Component		Potential Environmental Effect
	Sound Levels	Temporary disturbance to neighbouring residents may occur during construction. The operation of inverters and transformers may result in increased ambient sound levels. However, noise studies in accordance with O.Reg. 359/09 are required to meet sound levels.
	Visual Landscape	Installation of the Project will result in a change to the local landscape.
	Community Safety	Construction of the Project will result in a risk to community and workforce safety. During operation, potential risks to public safety are limited.
	Local Traffic	Construction of the Project may result in increased local area traffic and temporary disruption along routes used resulting in delays to the local community traffic, and increased traffic as a result of equipment delivery to the Project site.
	Waste Management and Disposal Sites	Construction and operation of the Project will likely result in the generation of recyclable material, and municipal hazardous and sanitary waste.

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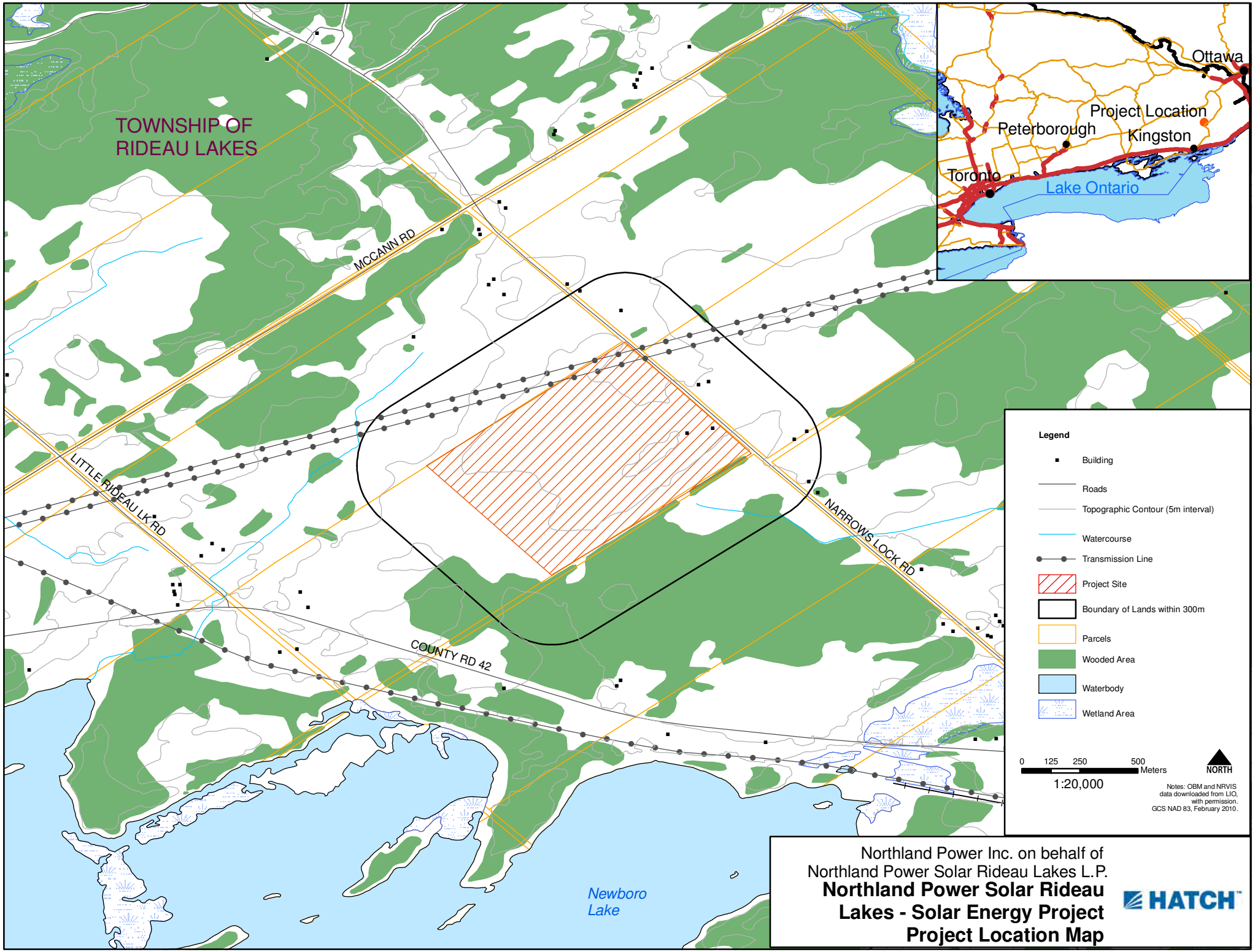

Northland Power Inc. on behalf of
Northland Power Solar Rideau Lakes L.P.

Northland Power Solar Rideau Lakes - Solar Energy Project
Project Location Map

HATCH

CC-P:\NORTHLAND\333751\DATABASES\GIS\Solar_Sites\Rideau Lakes8.5X11.mxd

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

McRae, Elizabeth

From: Sheldon Laidman [slaidman@twprideaulakes.on.ca]
Sent: Monday, July 05, 2010 10:00 AM
To: Male, Sean
Cc: 'Dianna Bresee'
Subject: RE: Northland Power's Proposed Solar Projects within Township of Rideau Lakes

Follow Up Flag: Follow up
Flag Status: Completed

Sean:

Thanks for the submission information. As you may be aware, Council's fee bylaw requires a fee to be paid in order to process, review, and eventually return the Municipal Consultation Form for a renewable project. For any project greater than 1 MW in size the fee is $2500 per consultation form.
The Township will be pleased to review and consider the 3 Consultation Forms you have submitted upon submission of the fees.

Please call me with any questions.

Sheldon Laidman, MCIP RPP
Manager of Development Services
Township of Rideau Lakes
800 928-2250
613 928-3097 (fax)
slaidman@twprideaulakes.on.ca

-----Original Message-----
From: Male, Sean [mailto:SMale@Hatch.ca]
Sent: Wednesday, June 30, 2010 5:07 PM
To: dianna@twprideaulakes.on.ca
Cc: slaidman@twprideaulakes.on.ca; 334844; tom.hockin@northlandpower.ca; mike.lord@northlandpower.ca; Arnold, Kimberley
Subject: Northland Power's Proposed Solar Projects within Township of Rideau Lakes

Dear Ms. Bresee,

Please find attached copies of the Project Description Reports and Municipal Consultation Forms for Northland Power Solar's proposed solar projects within the Township of Rideau Lakes, known as the Crosby, McCann, and Rideau Lakes projects.

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

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

If you have any questions about the Municipal Consultation Form or the Renewable Energy Approval process, please do not hesitate to contact me.
For your information, a representative of Northland Power and I met with Sheldon Laidman of the Township on June 15th to initiate municipal consultation in respect of these proposed projects.

Sincerely,

Sean

Sean K. Male, M.Sc.
REA Coordinator
Hatch
905-374-0701 x5280
smale@hatch.ca

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

McRae, Elizabeth

From: Sheldon Laidman [slaidman@twprideaulakes.on.ca]
Sent: Monday, January 10, 2011 2:41 PM
To: Male, Sean
Subject: Rideau lakes fees bylaw
Attachments: 2011 Development Services fees.docx

See #22 for Municiapl Consultation Form fee.

Sheldon Laidman, MCIP RPP
Manager of Development Services
Township of Rideau Lakes
800 928-2250
613 928-3097 (fax)
slaidman@twprideaulakes.on.ca

SCHEDULE "A"
TO BY-LAW 2009-98

RESPECTING TARIFF OF FEES RESPECTING PLANNING MATTERS

---

1. For a **Minor Variance** **$ 555.00**
   For a **Reapplication of a Minor Variance** to correct a technical issue with the approval within 1 year of the previous approval **$ 280.00**

2. For the approval of plans or drawings of buildings, structures, facilities or works sought to be undertaken in a **Site Plan Control Area**:

i) Residential (deck only with no site inspection required) **$ 125.00**
ii) Residential less than 500 sq. ft. **$ 365.00**
ii) Residential greater than 500 sq. ft. and less than 2,000 sq. ft. **$ 555.00**
iii) Residential greater than 2,000 sq. ft. **$ 745.00**
iv) Commercial less than 5,000 sq. ft. **$ 555.00**
v) Commercial greater than 5,000 sq. ft. and less than 20,000 sq. ft **$ 990.00**
vi) Commercial greater than 20,000 sq. ft. **$2,680.00**

3. For a **combined Minor Variance and Site Plan** approval **$ 830.00**

4. For a municipal **review of Land Severance** (including provision of required information to applicant, site inspection, review of application of Planning Advisory Committee and response to Land Division Committee) **$ 310.00**

5. For the approval of a **Plan of Subdivision** (but not including the cost of services by independent consultants or services by others) **$2,500.00**

6. For approval, or exemption from approval, of a **Condominium Description** **$2,500.00**

7. For Amendment of an **Official Plan** (but not including the cost of services by independent consultants or services by others) **$1,500.00**

8. For Amendment of a **Zoning By-law** (but not including the cost of services by independent consultants or services by others) **$ 990.00**

9. For Amendment of a **Zoning Bylaw** for the establishment of a Garden Suite as defined under the Planning Act **$ 280.00**

10. For **Amendment of a Zoning Bylaw** that stems from a condition of severance approval and where no notification in the local newspaper is deemed to be necessary by the Planning Advisory Committee **$ 680**

11. For combined Amendment of an **Official Plan** and **Zoning By-law** (but not

including the cost of services by independent consultants or services by others) **$2,200.00**

12. For the Removal of a **Holding Designation** from a Zoning By-law **$ 42.00**

13. For a **Zoning Certificate** **$ 74.00**

14. For **Amendment of a Site Plan** **$ 125.00**

15. For a **Land Development Agreement** **$ 310.00**

16. For an **Agreement to Amend a Subdivision Agreement** (but not including the cost of services by independent consultants or services by others) **$ 1,240.00**

17. For written confirmation of status of any **Planning or Zoning-related Agreement** **$ 74.00**

18. For written confirmation of **Official Plan Designation** **$ 74.00**

19. For **Septic Inspection Fee –** required for Minor Variance Applications, Zoning Amendment Applications, Official Plan Application, Severance Applications or any other planning applications **$ 310.00**

20. For a **Mining Operation** (but not including the cost of services by independent consultants or services by others) **$12,350.00**

21. For a **File Search Fee** **$ 42.00**
(fee will be returned if file not found or no items were contained in the file)

22. For a **Municipal Consultation Form** for renewable energy projects to be completed
i) Projects less than 10kw **$0**
ii) Projects greater than 10kw and less than 1mw **$365**
iii) Projects greater than 1 mw **$2680**

SCHEDULE "B-1"
TO BY-LAW 2009-98

RESPECTING CLASSES OF PERMITS AND PERMIT FEES

CLASS OF PERMITS	**FEES**
BUILDING PERMIT	To construct a building (including repairs and alterations) $12.35 / $1,000.00 building value, minimum of $92.00
REVISION PERMIT	$12.35 / $1,000.00 building value. Minimum $92.00
DEMOLITION PERMIT	$12.35 / $1000.00 demolition value. Minimum $92.00
HEATING / VENTILATION / AIR CONDITIONING SYSTEMS (HVAC)	$12.35 / $1,000.00 building value. Minimum $92.00
HEAT PUMP - GROUND SOURCE / WATER SOURCE	$92.00
SOLID FUEL BURNING	$92.00
CONDITIONAL PERMIT	To construct a building $12.35 / $1,000.00 building value, minimum of $92.00
CHANGE OF USE PERMIT	$250.00
OCCUPANCY PERMIT	$92.00
IN FLOOR RADIANT HEATING SYSTEMS	$92.00
SWIMMING POOL	$12.35 / $1,000.00 building value. Minimum of $92.00
PLUMBING PERMIT	$130.00
TRANSFER OF PERMIT	$92.00
WORK ORDER	$74.00
SEPTIC PERMIT	$535.00
BUILDING CODE VIOLATION INSPECTION	$130.00
MISSED INSPECTION	$92.00 (imposed on a per project basis after a second inspection has been requested but not cancelled and the inspector cannot perform the inspection due to insufficient construction progress)
BUILDING WITHOUT A PERMIT	$24.70/$1,000 building value. Minimum $184.00
BUILDING CODE EQUIVALENCY EVALUATION	$1000 (but not including the cost of services by independent consultants or services by others)

SCHEDULE "B-2"
TO BY-LAW 2009-98

RESPECTING EVALUATION AMOUNTS FOR DETERMINING COST OF CONSTRUCTION (per square foot)

RESIDENTIAL	**DELUXE** **Brick, Stone** **Four Sides** **R2000**	**MODERATE** **Brick, Stone,** **1 Wall, Siding on** **Three Walls**	**STANDARD** **All vinyl,** **Aluminum** **Wood Siding**
FIRST FLOOR	$120.00	$96.00	$90.00
SECOND FLOOR	$65.00	$60.00	$55.00
GARAGE	$31/sq. ft.		
CARPORT	$25/sq. ft.		
SOLARIUM	$60/sq. ft.		
FINISHED BASEMENT	$37/sq. ft.		
COTTAGE	$60/sq. ft.	No Interior Finish	
MOBILE HOME	Price all components		
FOUNDATION	Contract price		
SWIMMING POOL	$12.35/$1,000.00 value of construction Pool and fence – Minimum $92.00		
STORAGE SHED	$25/sq. ft.		
RENOVATIONS	Contract Price or $12.35/$1,000 value of construction		
OPEN DECK	$25/sq. ft.		
VERANDAH OR PORCH	$29/sq. ft.		
COMMERCIAL BUILDING	$96/sq. ft.		
INDUSTRIAL BUILDING	$96/sq. ft.		
FARM BUILDING	$48/sq. ft.		
INSTITUTIONAL BUILDING	$96/sq. ft.		

SCHEDULE "C"
TO BY-LAW 2009-98

CIVIC ADDRESS SIGNS

The Fee is $50.00 per sign.

New or replacement numbers will be on a blade, with blue background and white numbers. The numbers will be on both sides, and 12.5 cm (5 inches) in size. The blades will be whatever length is required to allow numbers.

The blades will be bolted to the post.

The post will be 2.5 cm (1 inch) square galvanized, placed at a height of not less than 1.2 metres (4 feet) above grade.

The post will be placed to the left of the driveway, and will be located 1 metre (39 inches) from the property line, and not more than 3 metres (10 feet) from the driveway, and will be visible to oncoming traffic both ways.

All new residences will be assigned, at time of construction, a 911 number, and the number sign will be installed by the installer as soon as possible.

The Fee to prepare a Replacement Blade, not installed by the Township, is $18.00 per blade.

Ontario

Ministry of the Environment

Renewable Energy Approval
Consultation Form: municipalities, local authorities
ss. 18(2) Ontario Regulation 359/09

Ce formulaire est disponible en français

PART A: TO BE COMPLETED BY THE APPLICANT BEFORE SUBMITTING TO MUNICIPALITY OR LOCAL AUTHORITY

Section 1 - Project Description

1.1 - Renewable Energy Project

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

Northland Power Solar Rideau Lakes

Project Location

Same as Applicant Physical Address? [ ] Yes [X] 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)*
360 Narrows Lock Road	

Survey Address *(Not required if Street Information is provided)*

Lot and Conc.:
used to indicate location within a subdivided township and consists of a lot number and a concession number.

Lot	Conc.

Part and Reference:
used to indicate location within unorganized territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.

Part	Reference Plan

Location Information *(includes any additional information to clarify physical location)(e.g. municipality, ward/ township)*

Township of Rideau Lakes

Geo Reference *(e.g. southwest corner of property)*

Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing

Project Phasing *(outline construction, operation and decommissioning activities)*

Construction - Construction of access roads, clearing and ground leveling for solar panel installation and lay down areas, installation of support structures, including concrete foundations. Also underground cabling and the distribution line for the produced power will be constructed. Additionally, if required, erosion and sedimentation control measures and fencing around the Project site could also occur.
Operation - Operation and maintenance of solar panels and associated infrastructure.
Decommissioning - Removal of all project infrastructure and site restoration of disturbed areas to past land use activities.

1.2 - Environmental Context

Describe any negative environmental effects that may result from engaging in the project *(consider construction, operation and decommissioning activities.)*

Environmental effects that may occur from this project include, but are not limited to:
-increase in ambient sound level
-degradation of soil quality and quantity
-decrease in availability and quantity of both surface water and groundwater
-disruptions and potential loss of wetlands, woodlands and aquatic habitat located on or near the Project site
-reductions in local air quality during construction.

Propose early avoidance/prevention/mitigation concepts and measures.

- Noise studies to be carried out in order to ensure no impact on receptors; noise barriers will be considered if required
- Erosion and sedimentation controls will be used to limit the impact on soil and the reduction in water quality
- No solar panels to be placed within at least 30 m of the high water mark of a watercourse
- A spill clean-up procedure/emergency response plan will be developed for the site by the construction contractor
- Appropriate air quality control measures could be used during construction, if required.

1.3 - Renewable Energy Generation Facility

Type of Facility / Operation *(select all that apply & complete all appropriate sections)*

☐	Wind Facility (Land Based)	☐	Biofuel Facility
☐	Wind Facility (Off-Shore)	☒	Solar Photo Voltaic Facility
☐	Biogas Facility (Anaerobic Digesters)	☐	Other Describe :
☐	Biomass Facility (Thermal Treatment)	☐	Class (if applicable) :

Name Plate Capacity	Expected Generation	Service Area	Total Area of Site *(hectares)*
10 MW	14,200,000 kWh in first year	Crosby Transfer Station Desn 2	50

Provide a description of the facilities equipment or technology that will be used to convert the renewable energy source or any other energy source to electricity.

Solar photovoltaic panels will be installed on the site to convert solar energy into electricity. The panels will be a crystalline technology, but the specific models are to be determined.

1.4 – Renewable Energy Generation Activities

Describe the activities that will be engaged in as part of the renewable energy project

The facility operates during daylight hours, year round when sufficient solar irradiation exists to generate electricity. Operation is remotely monitored. The facility requires periodic visits during the operation phase for inspections of equipment. Routine maintenance is expected to occur every 2-3 months. Additionally, if lower than anticipated power output occurs, a further site visit will occur as it is indicative of a mechanical problem.

Section 2 – Supporting Documents

2.1 – Requirement	Name of Draft documents distributed for consultation	Date available to Municipal or Local Authority Contact
DRAFT Project Description Report		June 30, 2010
DRAFT Design and Operations Report		To be determined
DRAFT Construction Plan Report		To be determined
DRAFT Decommissioning Plan Report		To be determined
List of other Documents		

Location where written draft reports can be obtained for public inspection *(physical location for viewing and the applicants project website if one is available)*:
A copy of the reports will be made available on the applicants website (northlandpower.ca/rideaulakes) A hard copy of the reports will also be provided to the municipality for public review.

Section 3 – Applicant Address and Contact Information

3.1 - Applicant Information *(Owner of project/facility)*				
Applicant Name *(legal name of individual or organization as evidenced by legal documents)* Northland Power Solar Rideau Lakes L.P				Business Identification Number 191194851
Business Name *(the name under which the entity is operating or trading - also referred to as trade name)* [X] same as Applicant Name				
Civic Address- Street information *(includes street number, name, type and direction)* c/o Northland Power Inc. 30 St. Clair Ave. West				Unit Identifier *(i.e. apartment number)* 17th Floor
Survey Address *(Not required if Street Information is provided)*				
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.		
Lot	Conc.	Part		Reference Plan
Municipality	County/District	Province/State	Country	Postal Code
Toronto		Ontario	Canada	M4V 3A1

PART B: TO BE COMPLETED BY THE MUNICIPALITY OR LOCAL AUTHORITY

Section 4 - Municipal or Local Authority Contact Information (check the one that applies) Local Municipality *(include each local municipality in which project location is situated)*					Yes	No
Name of Municipality Township of Rideau Lakes	Address 1439 County Road 8, Delta, ON K0E 1G0	Phone 800 928-2250	Clerk's Name Dianna Bresee	Clerk's Phone/Fax	E-Mail Address dianna@twprideaulakes.on.ca	
Upper Tier Municipality *(include each upper tier municipality in which project location is situated)*					Yes	No
Name of Municipality United Counties of Leeds Grenville	Address	Phone 613 342-3840	Clerk's name	Clerk's Phone/Fax	E-Mail Address	
Local roads area *(include each local roads area in which project location is situated)*					Yes	No
Name of local roads board	Address	Phone	Secretary-treasurer's Name	Secretary-treasurer's Phone/Fax		E-Mail Address
Board Area *(include each board area in which project location is situated)*					Yes	No
Name of Local Service Board	Address	Phone	Secretary's name	Secretary's Phone/Fax		E-Mail Address

Section 5: Consultation Requirement 5.1 - Project Location
Provide comment on the project location with respect to infrastructure and servicing. *The project is located on a paved County Road with good access. The Township has a concern that no construction traffic travel along adjacent or nearby municipal roads which are sub standard for allowing large construction vehicles. The Township does have a concern with the overall impact of traffic and servicing and expect that the company will enter into an agreement to cover expected expenses and impacts to the Township services in general from this development.*
5.2 – Project Roads
Provide comment on the proposed project's plans respecting proposed road access. *This is a County Road which the Township does not have jurisdiction.*
Identify any issues and provide recommendations with respect to road access *See above.*
Provide comment on any proposed Traffic Management Plans *The Township wants it ensured that construction traffic will only travel on County Road 14 to access the site and that construction traffic will be prohibited from driving on nearby sub standard municipal roads, in particular McCann Road and Big Rideau Lake Road.*
Identify any issues and provide recommendations with respect to the proposed Traffic Management Plans *See above*
5.3 – Municipal or Local authority Service Connections
Provide comment on the proposed project plans related to the location of and type of municipal service connections, other than roads. *n/a*
Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads. *n/a*
5.4 – Facility Other
Identify any issues and recommendations with respect to the proposed landscaping design for the facility *There has been no Landscaping Plan submitted to date to the Township. This is of the utmost concern to ensure that the project is adequately screened from view of neighbours and the public road. This is a wide open farm field with little to no natural vegetation to buffer the impact of this industrial installation in a very rural area of the Township. See attached Resolution conditions for a more full description of expected conditions of approvals as they relate to landscaping.*

Provide comment on the proposed project plans for emergency management procedures / safety protocols. *See attached Resolution for condition wording with respect to emergency access.*
Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols. *See attached municipal Resolution*
Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location *n/a*
5.5 Project Construction
Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal or local authority infrastructure that could be damaged during construction. *The Township expects that all temporary parking and staging areas be revegetated to the original condition following construction. Furthermore that all substations and permanent parking areas be screened from view by landscaping or increased setbacks. See Resolution attached.*
Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing drainage, water works and sanitary sewers *n/a*
Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults *Per the attached Resolution, the Township expects that new hydro connection lines will be buried to reduce the visual impact of the development and that the proposed substation will be moved further from the road to reduce its impact on the rural nature of this road.*
Identify any issues and recommendations with respect to the proposed location of existing and proposed gas and electricity lines and connections *n/a*
Provide comment on the proposed project plans with respect to Building Code permits and licenses. *The Township will be requiring building permits for all items that require it under the OBC. Furthermore it is expected that no permits will be issued until all financial contribution expectations as conveyed to the applicant by separate correspondence have been received to the satisfaction of the Township.*
Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory. *n/a*
Identify any issues and recommendations related to the identification any archaeological resource or heritage resource. *This is an extremely rural area located only minutes from the Rideau Canal and the historic Narrows Lock Lock Station. The main concern of the Township is that this stretch of road remain in a rural state without an industrial appearance and that this be accomplished through setbacks and appropriate landscaping.*

Resolution from the Planning Advisory Committee and Council of the Township of Rideau Lakes adopted at their meeting of March 14, 2011

That the Planning Advisory Committee recommends to the Council of the Corporation of the Township of Rideau Lakes that the municipal consultation form for the Rideau Lakes (Northland) Solar Energy project be submitted to the Province with the following expectations and comments:

1. *That the project shall not negatively impact the Township of Rideau Lakes' adjacent road network. That prior to construction an entrance agreement will be required to be entered into with the Township of Rideau Lakes which will include provisions for traffic*

management, dust suppression, repairs and maintenance to the adjacent road system, and road access location.

2. *That all temporary parking areas established for construction employees shall be returned to their original condition.*
3. *That full spectrum baseline water testing of adjacent wells be conducted prior to construction commencing. For the purposes of this condition, adjacent wells would be defined as all wells within 300m of the subject property.*
4. *The Township of Rideau Lakes' Council has previously adopted a resolution requesting that all solar projects be setback a similar distance from adjacent properties as required for wind projects under the Green Energy Act. This is still the Township's preference for this project; however if that is not possible then it would be expected that the panels be setback as far as possible from each residential lot line.*
5. *That a landscaping plan be submitted for Township review. The landscaping plan is expected to include provisions to buffer the facility entirely from views from the adjacent Township road and the adjacent dwellings at the completion of the project. At a minimum, the existing vegetation along the periphery of the subject property should be maintained.*
6. *That it is expected that drilling and construction will be conducted as per the Township's Noise Bylaw.*
7. *That all internal roads shall be constructed to a standard acceptable to the Fire Chief. At a minimum the roads shall be constructed with adequate material to withstand the weight of the Township's heaviest fire truck, constructed to allow for the turning radii of the largest fire truck, and allow for the proper turnaround of fire vehicles on site.*
8. *That the 44kw line extending from the substation to hydro lines along Little Rideau Lake Road be buried to reduce the visual impact to the three neighbouring properties across the road.*
9. *That it is expected that no chemical weed control be used to keep weeds under control on such a large area of ground that is important for groundwater recharge and ensuring that the adjacent large water body (Upper Rideau Lake) is not impacted negatively.*
10. *That the large substation and associated parking shall be setback a suitable distance from Narrows Lock Road and buffered from view of the adjacent road and neighbouring lots. The current location immediately adjacent to the road is unnecessary and not an appropriate location in this largely rural area.*

Carried:

McRae, Elizabeth

From: Arnold, Kimberley
Sent: Wednesday, July 07, 2010 3:29 PM
To: 334844
Subject: FW: Northland Power's Proposed Solar Projects within the United Counties of Leeds and Grenville
Attachments: H334844-0000-07-124-0010 - Rideau Lakes - Rev D.pdf; H334844-0000-07-124-0001 - McCann- Rev E.pdf; H334844-0000-07-124-0007 - Crosby - Rev D.pdf; Rideau Lakes Municipal Consultation Form.pdf; McCann Municipal Consultation Form.pdf; Crosby Municipal Consultation Form.pdf

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Kimberley Arnold, B.Sc., M.E.S.
Manager - Environmental Services, Renewable Power
Hatch
Phone: 905.374.0701 Ext. 5318
Email: karnold@hatch.ca

Please consider the environment before printing my e-mail

From: Male, Sean
Sent: Wednesday, June 30, 2010 5:07 PM
To: lesley.todd@uclg.on.ca
Cc: 'sandy.hay@uclg.on.ca'; Arnold, Kimberley; Tom Hockin; Mike Lord
Subject: Northland Power's Proposed Solar Projects within the United Counties of Leeds and Grenville

Dear Ms. Todd,

Please find attached copies of the Project Description Reports and Municipal Consultation Forms for Northland Power Solar's proposed solar projects within the United Counties of Leeds and Grenville, known as the Crosby, McCann, and Rideau Lakes projects.

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

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

If you have any questions about the Municipal Consultation Form or the Renewable Energy Approval process, please do not hesitate to contact me. For your information, I have spoken with Sandy Hay of the County in relation to these projects.

Sincerely,

Sean K. Male, M.Sc.
REA Coordinator/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

HATCH™

Northland Power Inc. on behalf
of Northland Power Solar
Rideau Lakes L.P.
Toronto, Ontario

Draft Project Description Report

Northland Power Solar Rideau Lakes - Solar Energy Project

H334844-0000-07-124-0010
Rev. D
April 5, 2010

May 10, 2010

Northland Power Inc. on behalf of Northland Power Solar Rideau Lakes L.P.

Draft Project Description Report

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1. Introduction

Northland Power Solar Rideau Lakes L.P. (hereinafter referred to as "Northland") is proposing to develop a 10-MW solar photovoltaic project titled Northland Power Solar Rideau Lakes (hereinafter referred to as the "Project"). As required, Northland is commencing with the Renewable Energy Approval (REA) process as required and described in Ontario Regulation 359/09 under the *Environmental Protection Act*. This Project Description Report has been prepared in accordance with O. Reg. 359/09.

The Project is located in the Township of Rideau Lakes, within the United Counties of Leeds and Grenville.

Northland is the proponent of the Project. The contact information is as follows:

Michael Lord
Manager, Business Development
Northland Power Inc.
30 St. Clair Ave. West, 17th Floor
Toronto, ON
M4V 3A1

Tel: 416-962-6262, Ext. 138
Fax: 416-962-6266
Email: mike.lord@northlandpower.ca

Northland has retained Hatch Ltd. (Hatch) to assist Northland in meeting the REA requirements. Contact information for Hatch is as follows:

Kimberley Arnold
Manager – Environmental Services, Renewable Power
4342 Queen Street, Suite 500
Niagara Falls, ON
L2E 7J7

Tel: 905-374-0701, Ext 5318
Fax: 905-374-1157
Email: karnold@hatch.ca

The Project Description Report is the first step in the REA process. As required, Northland will complete the requirements for obtaining the REA as identified in O.Reg. 359/09.

Northland has applied for a Feed-In-Tariff (FIT) contract with the Ontario Power Authority (OPA). In the application for the FIT contract, a proposed commissioning date is required. The commissioning date for the Project is dependent on the timing of a Contract Offer from the OPA, but is expected to be achieved by the end of 2011.

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2. Project Details

The following sections are intended to satisfy the requirements of Table 1 to O. Reg. 359/09: Section 10 – Project Description Report which directs the proponent to provide a description of the Project. Further details on the design of the Project will be provided in subsequent required reports as per O. Reg. 359/09, including the Construction Plan Report, Design and Operations Report and the Decommissioning Plan Report.

2.1 Energy Sources to Generate Electricity

Solar energy will be used to generate electricity.

2.2 Facilities, Equipment and Technology

The proposed Project is a renewable energy generation facility which will use solar photovoltaic technology. Electricity generated by solar photovoltaic panels will be converted from DC to AC by an inverter, and subsequently stepped-up (via transformer) to 44 kV prior to being connected to the distribution line. In order to meet OPA's FIT Program requirements, a specific percentage of equipment will be manufactured in Ontario.

At this time the solar module information, including make, model, size, dimensions, number of modules, etc. has not been determined. It is estimated that between 45,000 to 55,000 solar panels will be installed and approximately 20 inverters will be required.

2.3 Class of the Renewable Energy Facility

The Project will be a Class 3 solar facility. That is, the Project is ground mounted and greater than 10 kW.

2.4 Federal Involvement

No Federal lands or resources will be utilized for the Project and based on the resources within the Project area, issues under Federal jurisdiction are not anticipated. Therefore, no Federal involvement (including permits and approvals) is required.

2.5 Project Activities

The Project activities involved in the construction, operation and decommissioning phases of the Project are outlined in the following sections. It is anticipated that the time for construction is 4 to 8 months, depending on time of year and various other factors. Prior to construction, the area will be surveyed. Any buried infrastructure will be located prior to commencing with access road construction and site preparation.

2.5.1 Access Road Construction

New access roads on private land will be required to allow transport of equipment from the main (municipal) road to the Project site. If necessary, the topsoil and subsoil will be removed prior to placement of a granular base. A one-lane, 5-m wide access road will be constructed which will be of sufficient size for the transportation of equipment. The minimum thickness of the access road granular base and top course material will be at least 30 cm. Ditches and culverts will be constructed, if necessary, to maintain site drainage. Erosion and sedimentation control measures

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(e.g., silt fence barriers, rock flow check dams, etc) will be installed if needed. If temporary access roads are to be removed following completion of construction, topsoil will be replaced.

2.5.2 Site Preparation

Where practical, topsoil will be stripped from temporary access road locations and stored adjacent to the roads. Locations of topsoil and subsoil stockpiles will be determined in consultation with the landowner and not within 30 m of a water body. If topsoil is not stripped, the agricultural crops will be left uncut or shredded and left on the soil surface over the entire working area. If necessary to control sediment, erosion and sedimentation control measures will be installed.

2.5.3 Installation of Support Structures

Foundations and/or support structures will be required beneath transformers, inverters and photovoltaic panels. Detailed engineering for the design of the foundations and support structures are to be completed. However, it is expected that the pads for the transformers and inverters will be concrete slab-on-grade. It is also anticipated that drilling will be completed for the purposes of stabilizing the support structures of the photovoltaic arrays. The photovoltaic panels will be installed on fixed racking structures. Foundation construction and the installation of support structures will be subject to inspection prior to the installation of photovoltaic modules, and wiring.

2.5.4 Underground Cable Installation

DC wiring will run along the structural supports of the photovoltaic arrays. A network of underground DC cabling will be required at the termination point of the photovoltaic arrays to centrally located inverters which will then convert the electricity to AC. A simple trenching device will be used to install the cables, whereby a slot is opened, the cable laid, and the soil replaced.

2.5.5 Distribution Line Erection

An underground distribution line will be constructed which transports the electricity from the inverters to the transformer. The transformer will step up the voltage, and a distribution connection from the transformer will be erected to transport the generated power from the Project to the 44-kV connection point. The connection point and feeder line are owned by Hydro One Networks Inc. (HONI) which is the local distribution company. The distribution line from the Project to the connection point will be along municipal road right-of-ways. New wooden poles (or existing poles) will be used.

2.5.6 Site Security

The Project will be gated and fenced, with additional security measures installed as deemed necessary by Northland. This will include security cameras and motion sensor flood lighting.

2.5.7 Operation

The Project will operate year round and generate electricity during daylight hours. The amount of power generated will depend on daily weather conditions and sufficient solar irradiation. The Project will be operated remotely and therefore no employees will be on site with the exception of maintenance and inspections.

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2.5.8 Maintenance and Inspection

The Project will typically be scheduled for maintenance every 2 to 3 months. Typically, maintenance includes checking the structures, interconnections and cleaning the photovoltaic panels. It is anticipated that the panels will be washed twice a year using on-site water with no cleaning solutions. All the required maintenance materials (e.g., hydraulic fluids) will be brought to the site as required so no on-site storage of this material will be necessary. The Project will also be inspected whenever the power output is lower than anticipated as this would be indicative of a mechanical problem.

2.5.9 Decommissioning

A 35 to 40-year lifespan is typically anticipated for the Project. At that time (or earlier if the power purchase agreements are not extended), the Project will be decommissioned or refurbished depending on market conditions and/or technological changes.

If the decision is to discontinue renewable energy generation, the process would involve the following:

- removal of the scrap metal and cabling. Where possible, these materials will be recycled, with non-recyclables taken to an approved disposal site.
- removal of support structures and foundations unless the landowner requests otherwise. These materials will be recycled where possible.
- site cleanup and regrading to original contours, and any damage to tile drainage system to be repaired/replaced.
- planting of leguminous crops to provide a rapid return of nutrients and soil structure.

Once the Project, other materials, and road network are removed from the site, the fields will be returned to their condition prior to the project at the discretion of the landowner.

2.6 Authorizations Required

Permits, licenses and authorizations such as those listed below, in addition to the REA may be required for the Project to proceed:

- Building Permit – The local municipality will likely require a building permit to undertake construction.
- Conservation Authority Permit – Approval from the local Conservation Authority may be required should development occur within the Conservation Authority's Regulated Area.
- Ministry of Natural Resources (MNR) Work Permit and/or Lakes and Rivers Improvement Act Approval – MNR approval will be required should a water crossing be required for the Project.

2.7 Nameplate Capacity

The nameplate capacity of the Project will be up to 10 MW.

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2.8 Ownership of the Land

The Project will be located on privately owned lands. The proponent has entered into an option to purchase with the landowner. The leased land is approximately 50 ha and zoned Rural. The longitude and latitude are 44.67048 and -76.274671, respectively.

2.9 Potential Negative Environmental Effects

Negative environmental effects may occur as a result of construction and operation of the Project. The environmental components and the potential environmental effect of the Project on the environmental components are provided in Table 2.1. We have completed an Environmental Constraints Assessment which determined where the natural heritage features, water bodies, wetlands (including Provincially Significant Wetlands), quarries/pits, Areas of Natural and Scientific Interest (ANSIs), etc, are located. Therefore, the potential negative environmental impacts to these have been included.

The other environmental components (i.e., not related to natural heritage features and water bodies) have also been included in Table 2.1. However, since these environmental components have not been researched and field studies and impact assessments have not been completed, these potential impacts provided are generic to some solar projects and will not necessarily be realized on this Project.

As part of the REA process for the Project, if environmental features are determined to be significant and within required setbacks from the Project, an Environmental Impact Study (EIS) will be prepared. It is anticipated the EIS will determine the impacts to these features and mitigation measures will be developed to minimize or eliminate the negative effects. In addition, if any water bodies are within the specified setbacks, an EIS will also be prepared.

2.10 Project Location Map

As required in Table 1 of O.Reg. 359/09, an unbound, legible and reproducible project location map on a 215 x 280-mm page showing land within 300 m of the project location is enclosed.

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Table 2.1 Potential Negative Environmental Effects

Environmental Component		Potential Environmental Effect
Natural Environment	Physiography/Topography	During construction, regrading of excavated soils and some minor alterations to local topography may occur.
	Soils	Reductions in soil quality/loss of soils as a result of accidental spills, erosion, soil compaction during construction.
	Aggregate Resources	Not applicable.
	Surface Water	Surface water quality of a tributary of Sucker Creek could be impaired due to contamination from accidental spills or increased turbidity due to erosion during construction.
	Groundwater	Excavations may result in a decrease in the local availability of groundwater due to dewatering. In addition, groundwater may also be impaired by contamination due to accidental spills, or changes in ground water recharge.
	Aquatic Habitats/Biota	The installation of the Project may result in negative impacts to fish and fish habitat, if watercourse crossings are required.
	Areas of Natural and Scientific Interest	Not applicable as there are no ANSI identified within 120 m of the Project site.
	Wetlands	Not applicable as there are no wetlands identified within 120 m of the Project site.
	Vegetation	Vegetation clearing on agricultural land as well as within natural vegetation communities will be required.
	Woodlands	There are woodlands within 120 m of the Project site. These woodlands may be indirectly affected by Project activities, such as the generation of dust during construction which could impact vegetation communities.
	Valleylands	Not applicable as there are no valleylands identified within 120 m of the Project site.
	Terrestrial Wildlife (including species at risk)	Potential loss of wildlife habitat and potential wildlife avoidance of the Project area during construction and operation may occur as a result of disturbance.
	Air Quality	Reductions in local air quality from operation of construction equipment and dust displacement may occur due to vehicle traffic.
Social Environment	Land Use	Current land use will be discontinued within the Project footprint.
	Tourism and Recreation	Any tourism or recreational resources existing within the immediate Project vicinity will be considered in determining potential impacts.
	Archaeological and Cultural Heritage Resources	Excavations during Project construction may result in the discovery of archaeological resources. Archaeological assessments will be conducted to determine potential. Potential heritage resources will be determined as per the requirements of the Ministry of Culture.

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Environmental Component		Potential Environmental Effect
	Sound Levels	Temporary disturbance to neighbouring residents may occur during construction. The operation of inverters and transformers may result in increased ambient sound levels. However, noise studies in accordance with O.Reg. 359/09 are required to meet sound levels.
	Visual Landscape	Installation of the Project will result in a change to the local landscape.
	Community Safety	Construction of the Project will result in a risk to community and workforce safety. During operation, potential risks to public safety are limited.
	Local Traffic	Construction of the Project may result in increased local area traffic and temporary disruption along routes used resulting in delays to the local community traffic, and increased traffic as a result of equipment delivery to the Project site.
	Waste Management and Disposal Sites	Construction and operation of the Project will likely result in the generation of recyclable material, and municipal hazardous and sanitary waste.

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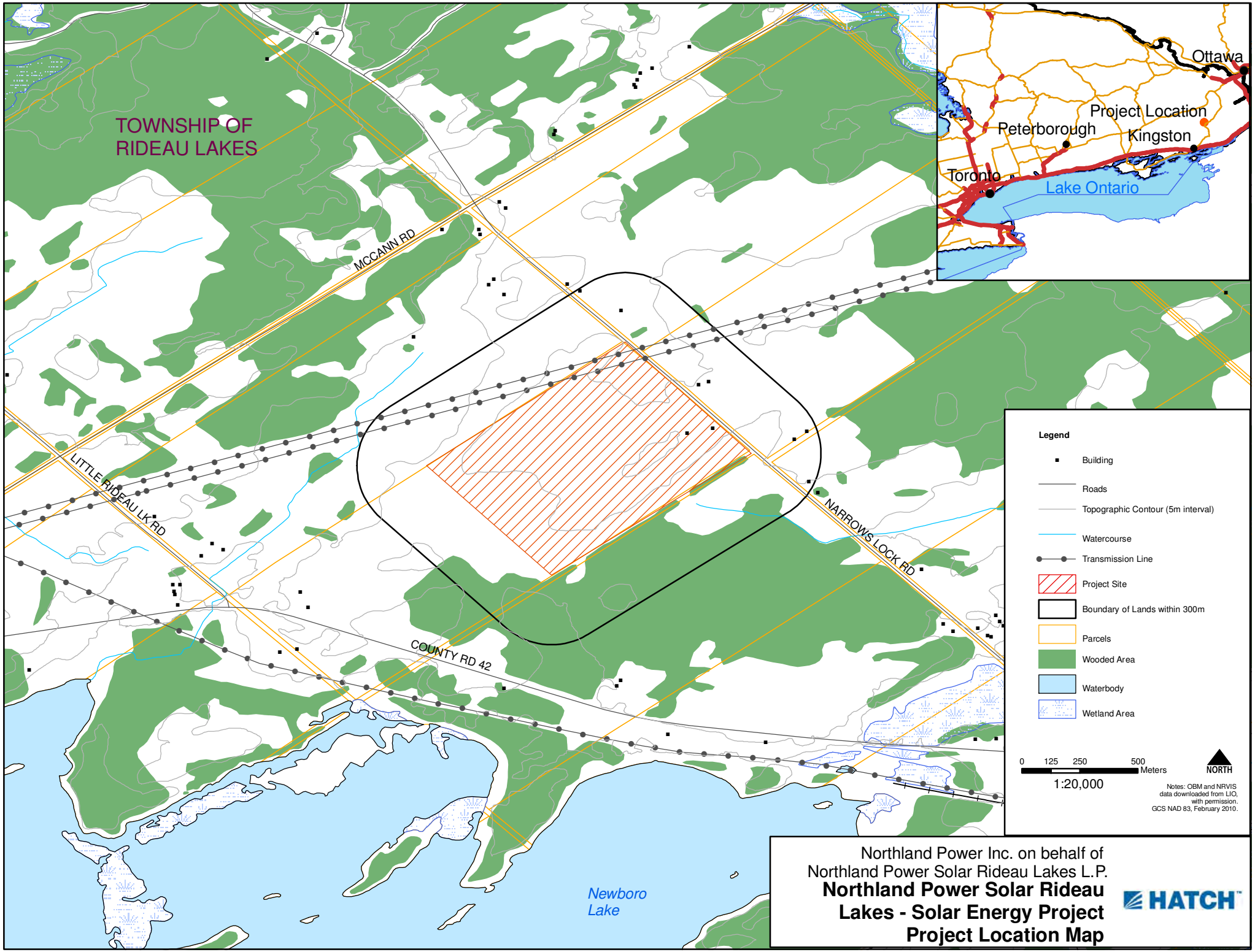

Northland Power Inc. on behalf of
Northland Power Solar Rideau Lakes L.P.

Northland Power Solar Rideau Lakes - Solar Energy Project
Project Location Map

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CC-P:\NORTHLAND\333751\DATABASES\GIS\Solar_Sites\Rideau Lakes8.5X11.mxd

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

McRae, Elizabeth

From: Male, Sean
Sent: Monday, March 21, 2011 1:21 PM
To: 'les.shepherd@uclg.on.ca'
Cc: Tom Hockin; 334844
Subject: Northland Power - Crosby and Rideau Lakes Solar Projects - Municipal Consultation Forms
Attachments: Crosby Municipal Consultation Form.pdf; Rideau Lakes Municipal Consultation Form.pdf

Hi Les,

Thanks for speaking with me today. As discussed, please find the Municipal Consultation Forms for the Crosby and Rideau Lakes Solar Projects attached, with the sections for proponents information completed.

We would appreciated your feedback as soon as possible as we are currently assembling our consultation report in advance of submission of the REA Application to MOE.

If you have any questions, please do not hesitate to contact me.

Thanks,

Sean

Sean K. Male, M.Sc.
REA Coordinator/Environmental Assessment & Management

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Tel: +1 905 374 0701 ext. 5280
Fax: +1 905 374 1157
4342 Queen Street, Suite 500, Niagara Falls, Ontario, Canada, L2E 7J7

Ontario

Ministry of the Environment

Renewable Energy Approval
Consultation Form: municipalities, local authorities
ss. 18(2) Ontario Regulation 359/09

Ce formulaire est disponible en français

PART A: TO BE COMPLETED BY THE APPLICANT BEFORE SUBMITTING TO MUNICIPALITY OR LOCAL AUTHORITY

Section 1 - Project Description

1.1 - Renewable Energy Project

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

Northland Power Solar Rideau Lakes

Project Location

Same as Applicant Physical Address? ☐ Yes ☒ 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)*
360 Narrows Lock Road	

Survey Address *(Not required if Street Information is provided)*

Lot and Conc.:
used to indicate location within a subdivided township and consists of a lot number and a concession number.

Lot	Conc.

Part and Reference:
used to indicate location within unorganized territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.

Part	Reference Plan

Location Information *(includes any additional information to clarify physical location)(e.g. municipality, ward/ township)*

Township of Rideau Lakes

Geo Reference *(e.g. southwest corner of property)*

Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing

Project Phasing *(outline construction, operation and decommissioning activities)*

Construction - Construction of access roads, clearing and ground leveling for solar panel installation and lay down areas, installation of support structures, including concrete foundations. Also underground cabling and the distribution line for the produced power will be constructed. Additionally, if required, erosion and sedimentation control measures and fencing around the Project site could also occur.
Operation - Operation and maintenance of solar panels and associated infrastructure.
Decommissioning - Removal of all project infrastructure and site restoration of disturbed areas to past land use activities.

1.2 - Environmental Context

Describe any negative environmental effects that may result from engaging in the project *(consider construction, operation and decommissioning activities.)*

Environmental effects that may occur from this project include, but are not limited to:
-increase in ambient sound level
-degradation of soil quality and quantity
-decrease in availability and quantity of both surface water and groundwater
-disruptions and potential loss of wetlands, woodlands and aquatic habitat located on or near the Project site
-reductions in local air quality during construction.

Propose early avoidance/prevention/mitigation concepts and measures.

- Noise studies to be carried out in order to ensure no impact on receptors; noise barriers will be considered if required
- Erosion and sedimentation controls will be used to limit the impact on soil and the reduction in water quality
- No solar panels to be placed within at least 30 m of the high water mark of a watercourse
- A spill clean-up procedure/emergency response plan will be developed for the site by the construction contractor
- Appropriate air quality control measures could be used during construction, if required.

1.3 - Renewable Energy Generation Facility

Type of Facility / Operation *(select all that apply & complete all appropriate sections)*

☐	Wind Facility (Land Based)	☐	Biofuel Facility
☐	Wind Facility (Off-Shore)	☒	Solar Photo Voltaic Facility
☐	Biogas Facility (Anaerobic Digesters)	☐	Other Describe :
☐	Biomass Facility (Thermal Treatment)	☐	Class (if applicable) :

Name Plate Capacity	Expected Generation	Service Area	Total Area of Site *(hectares)*
10 MW	14,200,000 kWh in first year	Crosby Transfer Station Desn 2	50

Provide a description of the facilities equipment or technology that will be used to convert the renewable energy source or any other energy source to electricity.

Solar photovoltaic panels will be installed on the site to convert solar energy into electricity. The panels will be a crystalline technology, but the specific models are to be determined.

1.4 – Renewable Energy Generation Activities

Describe the activities that will be engaged in as part of the renewable energy project

The facility operates during daylight hours, year round when sufficient solar irradiation exists to generate electricity. Operation is remotely monitored. The facility requires periodic visits during the operation phase for inspections of equipment. Routine maintenance is expected to occur every 2-3 months. Additionally, if lower than anticipated power output occurs, a further site visit will occur as it is indicative of a mechanical problem.

Section 2 – Supporting Documents

2.1 – Requirement	Name of Draft documents distributed for consultation	Date available to Municipal or Local Authority Contact
DRAFT Project Description Report		June 30, 2010
DRAFT Design and Operations Report		To be determined
DRAFT Construction Plan Report		To be determined
DRAFT Decommissioning Plan Report		To be determined
List of other Documents		

Location where written draft reports can be obtained for public inspection *(physical location for viewing and the applicants project website if one is available)***:**

A copy of the reports will be made available on the applicants website (northlandpower.ca/rideaulakes) A hard copy of the reports will also be provided to the municipality for public review.

Section 3 – Applicant Address and Contact Information

3.1 - Applicant Information *(Owner of project/facility)*

Applicant Name *(legal name of individual or organization as evidenced by legal documents)*	Business Identification Number
Northland Power Solar Rideau Lakes L.P	191194851

Business Name *(the name under which the entity is operating or trading - also referred to as trade name)* [X] same as Applicant Name

Civic Address- Street information *(includes street number, name, type and direction)*	Unit Identifier *(i.e. apartment number)*
c/o Northland Power Inc. 30 St. Clair Ave. West	17th Floor

Survey Address *(Not required if Street Information is provided)*

Lot and Conc.:
used to indicate location within a subdivided township and consists of a lot number and a concession number.

Lot	Conc.

Part and Reference:
used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.

Part	Reference Plan

Municipality	County/District	Province/State	Country	Postal Code
Toronto		Ontario	Canada	M4V 3A1

PART B: TO BE COMPLETED BY THE MUNICIPALITY OR LOCAL AUTHORITY

Section 4 - Municipal or Local Authority Contact Information (check the one that applies)

Local Municipality *(include each local municipality in which project location is situated)*				☐ Yes	☐ No
Name of Municipality	Address	Phone	Clerk's Name	Clerk's Phone/Fax	E-Mail Address
Upper Tier Municipality *(include each upper tier municipality in which project location is situated)*				☐ Yes	☐ No
Name of Municipality	Address	Phone	Clerk's name	Clerk's Phone/Fax	E-Mail Address
Local roads area *(include each local roads area in which project location is situated)*				☐ Yes	☐ No
Name of local roads board	Address	Phone	Secretary-treasurer's Name	Secretary-treasurer's Phone/Fax	E-Mail Address
Board Area *(include each board area in which project location is situated)*				☐ Yes	☐ No
Name of Local Service Board	Address	Phone	Secretary's name	Secretary's Phone/Fax	E-Mail Address

Section 5: Consultation Requirement

5.1 - Project Location
Provide comment on the project location with respect to infrastructure and servicing.
5.2 – Project Roads
Provide comment on the proposed project's plans respecting proposed road access.
Identify any issues and provide recommendations with respect to road access
Provide comment on any proposed Traffic Management Plans
Identify any issues and provide recommendations with respect to the proposed Traffic Management Plans

5.3 – Municipal or Local authority Service Connections
Provide comment on the proposed project plans related to the location of and type of municipal service connections, other than roads.
Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads.
5.4 – Facility Other
Identify any issues and recommendations with respect to the proposed landscaping design for the facility
Provide comment on the proposed project plans for emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location
5.5 Project Construction
Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal or local authority infrastructure that could be damaged during construction.
Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing drainage, water works and sanitary sewers
Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults

Identify any issues and recommendations with respect to the proposed location of existing and proposed gas and electricity lines and connections
Provide comment on the proposed project plans with respect to Building Code permits and licenses.
Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.
Identify any issues and recommendations related to the identification any archaeological resource or heritage resource.

Ontario

Ministry of the Environment

Renewable Energy Approval
Consultation Form: municipalities, local authorities
ss. 18(2) Ontario Regulation 359/09

Ce formulaire est disponible en français

PART A: TO BE COMPLETED BY THE APPLICANT BEFORE SUBMITTING TO MUNICIPALITY OR LOCAL AUTHORITY

Section 1 - Project Description

1.1 - Renewable Energy Project

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

Northland Power Solar Rideau Lakes

Project Location

Same as Applicant Physical Address? ☐ Yes ☒ 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)*
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Survey Address *(Not required if Street Information is provided)*

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used to indicate location within a subdivided township and consists of a lot number and a concession number.

Lot	Conc.

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used to indicate location within unorganized territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.

Part	Reference Plan

Location Information *(includes any additional information to clarify physical location)(e.g. municipality, ward/ township)*

Township of Rideau Lakes

Geo Reference *(e.g. southwest corner of property)*

Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing

Project Phasing *(outline construction, operation and decommissioning activities)*

Construction - Construction of access roads, clearing and ground leveling for solar panel installation and lay down areas, installation of support structures, including concrete foundations. Also underground cabling and the distribution line for the produced power will be constructed. Additionally, if required, erosion and sedimentation control measures and fencing around the Project site could also occur.
Operation - Operation and maintenance of solar panels and associated infrastructure.
Decommissioning - Removal of all project infrastructure and site restoration of disturbed areas to past land use activities.

1.2 - Environmental Context

Describe any negative environmental effects that may result from engaging in the project *(consider construction, operation and decommissioning activities.)*

Environmental effects that may occur from this project include, but are not limited to:
-increase in ambient sound level
-degradation of soil quality and quantity
-decrease in availability and quantity of both surface water and groundwater
-disruptions and potential loss of wetlands, woodlands and aquatic habitat located on or near the Project site
-reductions in local air quality during construction.

Propose early avoidance/prevention/mitigation concepts and measures.

- Noise studies to be carried out in order to ensure no impact on receptors; noise barriers will be considered if required
- Erosion and sedimentation controls will be used to limit the impact on soil and the reduction in water quality
- No solar panels to be placed within at least 30 m of the high water mark of a watercourse
- A spill clean-up procedure/emergency response plan will be developed for the site by the construction contractor
- Appropriate air quality control measures could be used during construction, if required.

1.3 - Renewable Energy Generation Facility

Type of Facility / Operation *(select all that apply & complete all appropriate sections)*

☐	Wind Facility (Land Based)	☐	Biofuel Facility
☐	Wind Facility (Off-Shore)	☒	Solar Photo Voltaic Facility
☐	Biogas Facility (Anaerobic Digesters)	☐	Other Describe :
☐	Biomass Facility (Thermal Treatment)	☐	Class (if applicable) :

Name Plate Capacity	Expected Generation	Service Area	Total Area of Site *(hectares)*
10 MW	14,200,000 kWh in first year	Crosby Transfer Station Desn 2	50

Provide a description of the facilities equipment or technology that will be used to convert the renewable energy source or any other energy source to electricity.

Solar photovoltaic panels will be installed on the site to convert solar energy into electricity. The panels will be a crystalline technology, but the specific models are to be determined.

1.4 – Renewable Energy Generation Activities

Describe the activities that will be engaged in as part of the renewable energy project

The facility operates during daylight hours, year round when sufficient solar irradiation exists to generate electricity. Operation is remotely monitored. The facility requires periodic visits during the operation phase for inspections of equipment. Routine maintenance is expected to occur every 2-3 months. Additionally, if lower than anticipated power output occurs, a further site visit will occur as it is indicative of a mechanical problem.

Section 2 – Supporting Documents

2.1 – Requirement	Name of Draft documents distributed for consultation	Date available to Municipal or Local Authority Contact
DRAFT Project Description Report		June 30, 2010
DRAFT Design and Operations Report		To be determined
DRAFT Construction Plan Report		To be determined
DRAFT Decommissioning Plan Report		To be determined
List of other Documents		

Location where written draft reports can be obtained for public inspection *(physical location for viewing and the applicants project website if one is available)*:
A copy of the reports will be made available on the applicants website (northlandpower.ca/rideaulakes) A hard copy of the reports will also be provided to the municipality for public review.

Section 3 – Applicant Address and Contact Information

3.1 - Applicant Information *(Owner of project/facility)*

Applicant Name *(legal name of individual or organization as evidenced by legal documents)*	Business Identification Number
Northland Power Solar Rideau Lakes L.P	191194851

Business Name *(the name under which the entity is operating or trading - also referred to as trade name)* [X] same as Applicant Name

Civic Address- Street information *(includes street number, name, type and direction)*	Unit Identifier *(i.e. apartment number)*
c/o Northland Power Inc. 30 St. Clair Ave. West	17th Floor

Survey Address *(Not required if Street Information is provided)*

Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.	
Lot	Conc.	Part	Reference Plan

Municipality	County/District	Province/State	Country	Postal Code
Toronto		Ontario	Canada	M4V 3A1

PART B: TO BE COMPLETED BY THE MUNICIPALITY OR LOCAL AUTHORITY

Section 4 - Municipal or Local Authority Contact Information (check the one that applies)

Local Municipality *(include each local municipality in which project location is situated)*				☐ Yes	☐ No
Name of Municipality	Address	Phone	Clerk's Name	Clerk's Phone/Fax	E-Mail Address

Upper Tier Municipality *(include each upper tier municipality in which project location is situated)*				☑ Yes	☐ No
Name of Municipality	Address	Phone	Clerk's name	Clerk's Phone/Fax	E-Mail Address
UNITED COUNTIES OF LEEDS & GRENVILLE	25 CENTRAL AVE. W. SUITE 100 BROCKVILLE K6V4N6	6133423840	LESLEY TODD	PH. 6133423840 F. 613342 2101	lesley.todd@uclg.on.ca

Local roads area *(include each local roads area in which project location is situated)*				☐ Yes	☐ No
Name of local roads board	Address	Phone	Secretary-treasurer's Name	Secretary-treasurer's Phone/Fax	E-Mail Address

Board Area *(include each board area in which project location is situated)*				☐ Yes	☐ No
Name of Local Service Board	Address	Phone	Secretary's name	Secretary's Phone/Fax	E-Mail Address

Section 5: Consultation Requirement

5.1 - Project Location
Provide comment on the project location with respect to infrastructure and servicing.

5.2 – Project Roads
Provide comment on the proposed project's plans respecting proposed road access.
Narrows Lock Road is a County Road. Developer will need to apply for a commercial entrance permit. (County Road #14)
Identify any issues and provide recommendations with respect to road access
C.R. 14 is posted seasonally for half loads (5 tonnes per axle). Proponent will need to complete a condition survey (rutting) pre and post construction and finance any remediation required.
Provide comment on any proposed Traffic Management Plans
Identify any issues and provide recommendations with respect to the proposed Traffic Management Plans

5.3 – Municipal or Local authority Service Connections
Provide comment on the proposed project plans related to the location of and type of municipal service connections, other than roads.
Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads.

5.4 – Facility Other
Identify any issues and recommendations with respect to the proposed landscaping design for the facility
Provide comment on the proposed project plans for emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location

5.5 Project Construction
Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal or local authority infrastructure that could be damaged during construction.
PAVEMENT DAMAGE DUE TO TURNING MOVEMENTS AND REPEATED HEAVY LOADING WILL NEED TO BE REPAIRED BY THE DEVELOPER.
Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing drainage, water works and sanitary sewers
Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults

Identify any issues and recommendations with respect to the proposed location of existing and proposed gas and electricity lines and connections
Provide comment on the proposed project plans with respect to Building Code permits and licenses.
Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.
Identify any issues and recommendations related to the identification any archaeological resource or heritage resource.

Appendix H
List of Aboriginal Communities from Ministry of the Environment

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Ministry of the Environment

Environmental Assessment and Approvals Branch

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

Ministère de l'Environnement

Direction des évaluations et des autorisations environnementales

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

Ontario

July 9, 2010

MOE File #: ER-10-SF-0040

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

Dear Mr. Lord:

RE: Director's Aboriginal Communities List – Rideau Lakes Solar Project

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

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

i) have or may have constitutionally protected aboriginal or treaty rights that may be adversely impacted by the project; or

ii) otherwise may be interested in any negative environmental effects of the project. (O. Reg 359/09 s14(b)(i) and (ii))

Aboriginal Community **Common Name:** **Reserve Name:** **Contact Information:**
The Algonquins of Ontario Consultation Office 31 Riverside Drive, Suite 101 Pembroke ON K8A 1N5
Alderville First Nation Mississaugas of Alderville Alderville First Nation PO Box 46 Roseneath ON K0K 2X0 Phone (905) 352-2011 Fax (905) 352-3242

Hiawatha First Nation Mississaugas of Rice Lake Hiawatha First Nation 36 RR 2 Keene ON K0L 2G0 Phone (705) 295-4421 Fax (705) 295-4424
Curve Lake First Nation Mississaugas of Mud Lake Curve Lake First Nation 35 and 35A General Delivery Curve Lake ON K0L 1R0 Phone (705) 657-8045 Fax (705) 657-8708
Kawartha Nishnawbe Kawartha Nishnawbe First Nation PO Box 1432 Lakefield ON K0L 2H0
Ottawa Regional Métis Council Robert Pellerin, President 1938 Ranchwood Way Ottawa ON K1C 7K7 Phone (613) 263-5059 pellerin12@hotmail.com
Métis Nation of Ontario Consultation Unit 500 Old St. Patrick St, Unit 3 Ottawa ON K1N 9G4

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

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

Sincerely,

for Doris Dumais
Director
Environmental Assessment Approvals Branch
Ministry of Environment

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

Appendix I
Letters to Aboriginal Communities

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

H334844

July 20, 2010

Chief and Council
Kawartha Nishnawbe First Nation
PO Box 1432
Lakefield, On K0L 2H0

Dear Chief and Council:

Subject: Notice of Proposal and Notice of Public Meeting - Northland Power - Rideau Lakes Solar Project

Northland Power is proposing to construct a solar project in the Township of Rideau Lakes within the United Counties of Leeds and Grenville, northeast of the community of Newboro. The proposed project is named the Rideau Lakes Solar Project (the "Project") and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

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

1) "have or may have constitutionally protected aboriginal or treaty rights that may be adversely impacted by the project, or

2) otherwise may be interested in any negative environmental effects of the project".

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

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

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

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

Correspondence should be directed to:

WorkingTogether SAFELY

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July 20, 2010

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

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

Yours truly,

Sean Male, M.Sc
REA Coordinator
SM:mg

Attachment: Notice of a Proposal/Notice of Public Meeting: Rideau Lakes

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

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

H334844

July 20, 2010

The Algonquin's of Ontario Consultation Office
31 Riverside Drive, Suite 101
Pembroke, On K8A 1N5

To Whom It May Concern:

Subject: Notice of Proposal and Notice of Public Meeting - Northland Power - Rideau Lakes Solar Project

Northland Power is proposing to construct a solar project in the Township of Rideau Lakes within the United Counties of Leeds and Grenville, northeast of the community of Newboro. The proposed project is named the Rideau Lakes Solar Project (the "Project") and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

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Sean Male, M.Sc., REA Coordinator
Hatch Ltd.
4342 Queen St., Suite 500

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July 20, 2010

Niagara Falls, ON, L2E 7J7
Phone: 905-374-0701 Ext 5280
Fax: 905-374-1157
Email: smale@hatch.ca

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

Yours truly,

Sean Male, M.Sc
REA Coordinator
SM:mg

Attachment: Notice of a Proposal/Notice of Public Meeting: Rideau Lakes

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

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

H334844

July 20, 2010

Chief: James Marsden
Alderville First Nation
PO Box 46
Roseneath On K0K 2X0

Dear Chief: James Marsden

Subject: Notice of Proposal and Notice of Public Meeting - Northland Power - Rideau Lakes Solar Project

Northland Power is proposing to construct a solar project in the Township of Rideau Lakes within the United Counties of Leeds and Grenville, northeast of the community of Newboro. The proposed project is named the Rideau Lakes Solar Project (the "Project") and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

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July 20, 2010

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

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Yours truly,

Sean Male, M.Sc
REA Coordinator
SM:mg

Attachment: Notice of a Proposal/Notice of Public Meeting: Rideau Lakes

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

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

H334844

July 20, 2010

Chief: Laurie Carr
Hiawatha First Nation
RR 2
Keene, On K0L 2G0

Dear Chief: Laurie Carr

Subject: Notice of Proposal and Notice of Public Meeting - Northland Power - Rideau Lakes Solar Project

Northland Power is proposing to construct a solar project in the Township of Rideau Lakes within the United Counties of Leeds and Grenville, northeast of the community of Newboro. The proposed project is named the Rideau Lakes Solar Project (the "Project") and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

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July 20, 2010

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Niagara Falls, ON, L2E 7J7
Phone: 905-374-0701 Ext 5280
Fax: 905-374-1157
Email: smale@hatch.ca

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Sean Male, M.Sc
REA Coordinator
SM:mg

Attachment: Notice of a Proposal/Notice of Public Meeting: Rideau Lakes

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

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

H334844

July 20, 2010

Chief: Keith Knott
Curve Lake First Nation
General Delivery
Curve Lake, On K0L 1R0

Dear Chief: Keith Knott

Subject: Notice of Proposal and Notice of Public Meeting - Northland Power - Rideau Lakes Solar Project

Northland Power is proposing to construct a solar project in the Township of Rideau Lakes within the United Counties of Leeds and Grenville, northeast of the community of Newboro. The proposed project is named the Rideau Lakes Solar Project (the "Project") and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

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July 20, 2010

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Niagara Falls, ON, L2E 7J7
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REA Coordinator
SM:mg

Attachment: Notice of a Proposal/Notice of Public Meeting: Rideau Lakes

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

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

H334844

July 20, 2010

Robert Pellerin, President
Ottawa Regional Métis Council
1938 Ranchwood Way
Ottawa, ON K1C 7K7

Dear Robert Pellerin, President

Subject: Notice of Proposal and Notice of Public Meeting - Northland Power - Rideau Lakes Solar Project

Northland Power is proposing to construct a solar project in the Township of Rideau Lakes within the United Counties of Leeds and Grenville, northeast of the community of Newboro. The proposed project is named the Rideau Lakes Solar Project (the "Project") and will have an installed nominal capacity of 10 MW. This Project requires a Renewable Energy Approval (REA) issued in accordance with the provisions of the Ontario *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Northland Power has retained Hatch to assist in fulfilling the requirements of the REA process.

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July 20, 2010

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

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Yours truly,

Sean Male, M.Sc
REA Coordinator
SM:mg

Attachment: Notice of a Proposal/Notice of Public Meeting: Rideau Lakes

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

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

H334844

July 20, 2010

Consultation Unit
Metis Nation of Ontario
500 Old St.Patrick St, Unit 3
Ottawa, ON K1N 9G4

To Whom It May Concern:

Subject: Notice of Proposal and Notice of Public Meeting - Northland Power - Rideau Lakes Solar Project

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2) otherwise may be interested in any negative environmental effects of the project".

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

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

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

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

Correspondence should be directed to:

Sean Male, M.Sc., REA Coordinator
Hatch Ltd.

WorkingTogether SAFELY
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July 20, 2010

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

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

Yours truly,

Sean Male, M.Sc
REA Coordinator
SM:mg

Attachment: Notice of a Proposal/Notice of Public Meeting: Rideau Lakes

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

© Hatch 2010/07

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

January 4, 2011

Algonquin's of Ontario
Consultation Office
31 Riverside Drive, Suite 101
Pembroke, ON
K8A 8R6

To Whom It May Concern:

Subject: Notice of Public Meeting & Documents for Review - Northland Power - Rideau Lakes and Crosby Solar Project

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

In accordance with Section 15 of O. Reg. 359/09, a Notice of Public Meeting has been prepared and a copy is enclosed. This joint Notice will also be published in *The Smiths Falls EMC* on January 6, 2011 and on February 10, 2011.

As per Section 17 (1) of O. Reg. 359/09, draft copies of the Project Description Report, supporting documents and Executive Summary are enclosed. We request that this information be made publically available to your community. Digital copies of these reports and information about the Rideau Lakes Solar Project can be found on-line at www.northlandpower.ca/rideaulakes, while digital copies for the Crosby Solar Project can be found on-line at www.northlandpower.ca/crosby. Representatives of Northland and Hatch will be available to discuss this information at the Final Public Consultation meeting on March 10, 2011 at Portland Community Centre, 24 Water Street, Portland, Ontario.

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

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January 4, 2011

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

Correspondence should be directed to:

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

Yours truly,

Sean Male M.Sc,
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SM:mg

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Draft Executive Summary – Crosby Solar Project

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

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

January 4, 2011

Chief James Marsden and Council
Alderville First Nation
Alderville Band Office
11696 2nd Line Road
Alderville, ON
K0K 2X0

Dear Chief James Marsden and Council:

Subject: Notice of Public Meeting & Documents for Review - Northland Power - Rideau Lakes and Crosby Solar Project

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

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

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January 4, 2011

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

Correspondence should be directed to:

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

Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

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Draft Executive Summary – Crosby Solar Project

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

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

January 4, 2011

Hiawatha First Nation
Chief Laurie Carr and Council
Mississauga's of Rice Lake
Hiawatha First Nation 36
123 Paudash Street
Hiawatha, Ontario
K0L 2G0

Dear Chief Laurie Carr and Council:

Subject: Notice of Public Meeting & Documents for Review - Northland Power - Rideau Lakes and Crosby Solar Project

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

In accordance with Section 15 of O. Reg. 359/09, a Notice of Public Meeting has been prepared and a copy is enclosed. This joint Notice will also be published in *The Smiths Falls EMC* on January 6, 2011 and on February 10, 2011.

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January 4, 2011

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

Correspondence should be directed to:

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

Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

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

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

January 4, 2011

Curve Lake First Nation
Chief Keith Knott and Council
Mississauga's of Mud Lake
22 Winookeedaa Road
Curve Lake, ON
K0L 1R0

Dear Chief Keith Knott and Council:

Subject: Notice of Public Meeting & Documents for Review - Northland Power - Rideau Lakes and Crosby Solar Project

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

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January 4, 2011

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

Correspondence should be directed to:

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

Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

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

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

January 4, 2011

Kawartha Nishnawbe First Nation
Chief and Council
PO Box 1432
Lakefield, ON
K0L 2H0

Dear Chief and Council:

Subject: Notice of Public Meeting & Documents for Review - Northland Power - Rideau Lakes and Crosby Solar Project

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

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January 4, 2011

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

Correspondence should be directed to:

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

Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

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

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

January 4, 2011

Robert Pellerin, President
Ottawa Regional Métis Council
1938 Ranchwood Way
Ottawa, ON
K1C 7K7

Dear Mr. Pellerin:

Subject: Notice of Public Meeting & Documents for Review - Northland Power - Rideau Lakes and Crosby Solar Project

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

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January 4, 2011

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Correspondence should be directed to:

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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 truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

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Draft Executive Summary – Crosby Solar Project

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

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

January 4, 2011

Metis Nation of Ontario, Consultation Unit
500 Old St. Patrick Street, Unit D
Ottawa, ON
K1N 9G4

To Whom It May Concern:

Subject: Notice of Public Meeting & Documents for Review - Northland Power - Rideau Lakes and Crosby Solar Project

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

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January 4, 2011

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Correspondence should be directed to:

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

Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

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Draft Executive Summary – Crosby Solar Project

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

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

January 7, 2011

Algonquin's of Ontario
Consultation Office
31 Riverside Drive, Suite 101
Pembroke, ON
K8A 8R6

To Whom It May Concern:

Subject: Updated Stage 1 and 2 Archaeological Assessment Reports and Executive Summaries Rideau Lakes Solar Project and Crosby Solar Project, Northland Power

On Wednesday January 5, 2011, we sent you a package which contained the documents for your review. However, we now have an updated Stage 1 and 2 Archaeological Assessment.

Enclosed in this package are copies of the updated Stage 1 and 2 Archaeological Assessment and updated Executive Summary. Please disregard the previous version of the Stage 1 and 2 Archaeological Assessment. In addition, the Executive Summary which as a result of the revised Archaeological Assessment has also been updated. Specifically, Appendix L: Stage 1 and 2 Archaeological Assessment Report and in Appendix P: Letter of Confirmation–Ministry of Tourism and Culture, have been revised. Again, please disregard the previous version of the Executive Summary. We apologize for any inconvenience this may have caused.

Also, additional copies are available on-line at www.northlandpower.ca/rideaulakes and www.northlandpower.ca/crosby for both the Executive Summary and Stage 1 and 2 Archaeological Assessment.

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

Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

Attachments:
Stage 1 and 2 Archaeological Assessment Report – Rideau Lakes Solar Project
Draft Executive Summary – Rideau Lakes Solar Project
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Draft Executive Summary – Crosby Solar Project

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

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

January 7, 2011

Chief James Marsden and Council
Alderville First Nation
Alderville Band Office
11696 2nd Line Road
Alderville, ON
K0K 2X0

Dear Chief James Marsden and Council:

Subject: Updated Stage 1 and 2 Archaeological Assessment Reports and Executive Summaries Rideau Lakes Solar Project and Crosby Solar Project, Northland Power

On Wednesday January 5, 2011, we sent you a package which contained the documents for your review. However, we now have an updated Stage 1 and 2 Archaeological Assessment.

Enclosed in this package are copies of the updated Stage 1 and 2 Archaeological Assessment and updated Executive Summary. Please disregard the previous version of the Stage 1 and 2 Archaeological Assessment. In addition, the Executive Summary which as a result of the revised Archaeological Assessment has also been updated. Specifically, Appendix L: Stage 1 and 2 Archaeological Assessment Report and in Appendix P: Letter of Confirmation–Ministry of Tourism and Culture, have been revised. Again, please disregard the previous version of the Executive Summary. We apologize for any inconvenience this may have caused.

Also, additional copies are available on-line at www.northlandpower.ca/rideaulakes and www.northlandpower.ca/crosby for both the Executive Summary and Stage 1 and 2 Archaeological Assessment.

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

Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

Attachments:
Stage 1 and 2 Archaeological Assessment Report – Rideau Lakes Solar Project
Draft Executive Summary – Rideau Lakes Solar Project
Stage 1 and 2 Archaeological Assessment Report – Crosby Solar Project
Draft Executive Summary – Crosby Solar Project

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

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

January 7, 2011

Hiawatha First Nation
Chief Laurie Carr and Council
Mississauga's of Rice Lake
Hiawatha First Nation 36
123 Paudash Street
Hiawatha, Ontario
K0L 2G0

Dear Chief Laurie Carr and Council:

Subject: Updated Stage 1 and 2 Archaeological Assessment Reports and Executive Summaries Rideau Lakes Solar Project and Crosby Solar Project, Northland Power

On Wednesday January 5, 2011, we sent you a package which contained the documents for your review. However, we now have an updated Stage 1 and 2 Archaeological Assessment.

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

Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

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

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

January 7, 2011

Curve Lake First Nation
Chief Keith Knott and Council
Mississauga's of Mud Lake
22 Winookeedaa Road
Curve Lake, ON
K0L 1R0

Dear Chief Keith Knott and Council:

Subject: Updated Stage 1 and 2 Archaeological Assessment Reports and Executive Summaries Rideau Lakes Solar Project and Crosby Solar Project, Northland Power

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Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

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Draft Executive Summary – Crosby Solar Project

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

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

January 7, 2011

Kawartha Nishnawbe First Nation
Chief and Council
PO Box 1432
Lakefield, ON
K0L 2H0

Dear Chief and Council:

Subject: Updated Stage 1 and 2 Archaeological Assessment Reports and Executive Summaries Rideau Lakes Solar Project and Crosby Solar Project, Northland Power

On Wednesday January 5, 2011, we sent you a package which contained the documents for your review. However, we now have an updated Stage 1 and 2 Archaeological Assessment.

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Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

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

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

January 7, 2011

Robert Pellerin, President
Ottawa Regional Métis Council
1938 Ranchwood Way
Ottawa, ON
K1C 7K7

Dear Mr. Pellerin:

Subject: Updated Stage 1 and 2 Archaeological Assessment Reports and Executive Summaries Rideau Lakes Solar Project and Crosby Solar Project, Northland Power

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Yours truly,

Sean Male M.Sc,
REA Co-ordinator
SM:mg

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

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

January 7, 2011

Metis Nation of Ontario, Consultation Unit
500 Old St. Patrick Street, Unit D
Ottawa, ON
K1N 9G4

To Whom It May Concern:

Subject: Updated Stage 1 and 2 Archaeological Assessment Reports and Executive Summaries Rideau Lakes Solar Project and Crosby Solar Project, Northland Power

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

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Appendix J
Correspondence with Aboriginal Communities

© Hatch 2011/04

McRae, Elizabeth

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

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

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

McRae, Elizabeth

From: Male, Sean
Sent: Wednesday, February 02, 2011 3:32 PM
To: 'JamesW@metisnation.org'
Cc: 'Tom Hockin'; 334844
Subject: RE: Hi Tom and James, RE: Solar project
Attachments: 220-0002 - Northland Metis Memo.pdf

Hello James,

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

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

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

Sincerely,

Sean

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

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

Hello Mr. Hockin,

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

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

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

These broad general Métis interests include:
Water Quality

- Fish habitats including spawning potential
- Drink ability

- Impacts downstream
- Pollution including cumulative effects
- Impacts to Groundwater
- Monitoring

Wildlife

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

Aboriginal Interests

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

The Study Area

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

Air Quality

- Pollution during construction, operation, decommissioning and abandonment

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

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

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

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

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

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

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

Miigwetch - Merci - Thank You

James W. Wagar

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

Toll Free: 888.466.6684
Tel: 416.977.9881 ext.107
Cell: 905.447.6612
Fax: 416.977.9911
JamesW@metisnation.org

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

Same to you James.
Regards,
Tom

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

Hi Tom,

10am would be no problem.

Have a great weekend.

Miigwetch - Merci - Thank You

James W. Wagar

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

Toll Free: 888.466.6684
Tel: 416.977.9881 ext.107
Cell: 905.447.6612
Fax: 416.977.9911
JamesW@metisnation.org

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Unless otherwise indicated, the views expressed within the e-mail are those of the sender. If you recieved this e-mail in error, please advise me (by e-mail or otherwise) immediately. Thank you.

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

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

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

Hello Tom,

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

Miigwetch - Merci - Thank You

James W. Wagar

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

Toll Free: 888.466.6684
Tel: 416.977.9881 ext.107
Cell: 905.447.6612
Fax: 416.977.9911
JamesW@metisnation.org

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

Hi Robert and James,

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

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

Regards,
Tom

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

NORTHLAND POWER

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

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

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

Take good care,

Robert Pellerin
OMC President

James W. Wagar

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

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

Fax: 416.977.9911
JamesW@metisnation.org

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

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

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

NORTHLAND POWER

McRae, Elizabeth

From: Male, Sean
Sent: Monday, February 28, 2011 8:15 AM
To: 'James Wagar'
Cc: 'Tom Hockin'; 334844
Subject: RE: Northland Power - Upcoming public meeting

Hi James,

Thank you for your reply.

Northland Power has five solar projects within those boundaries that you have identified. These are the:

- Crosby Solar Project (www.northlandpower.ca/crosby)
- Glendale Solar Project (www.northlandpower.ca/glendale)
- McCann Solar Project (www.northlandpower.ca/mccann)
- North Burgess Solar Project (www.northlandpower.ca/northburgess)
- Rideau Lakes Solar Project (www.northlandpower.ca/rideaulakes)

Each of these projects is currently working through the REA process. The Crosby Solar Project and Rideau Lakes Solar Project final public meetings have been scheduled for March 10th, and we anticipate the REA applications being submitted to MOE in early April. Final public meetings for the remaining projects have yet to be scheduled, however we anticipated these occurring in the late spring/summer, with applications submitted to the MOE shortly thereafter.

Thanks again,

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

From: James Wagar [mailto:JamesW@metisnation.org]
Sent: Monday, February 28, 2011 8:05 AM
To: Male, Sean
Subject: RE: Northland Power - Upcoming public meeting

Thank You Sean,

I will be discussing your projects next week and will be determining the extent in which the consultation committee would like to engage Northland Power.

So that I can verify that I will not be leaving any project out. Could you please provide a list of all Northland Power's projects located North of Lake Ontario, West of HWY 62, South of Algonquin Park and East of the Ottawa River? It would also be helpful if you could include the phase in which the project is in and when Northland anticipates submitting the REA to MOE for review.

Many Thanks

JW
Metis Nation of Ontario
416-977-9881 x.107
jamesw@metisnation.org

From: Male, Sean [mailto:SMale@Hatch.ca]
Sent: February 28, 2011 7:57 AM
To: James Wagar
Cc: 334844
Subject: Northland Power - Upcoming public meeting

Hi James,

Northland Power is having a public meeting next week in relation to the Crosby Solar Project and the Rideau Lakes Solar Project. Given the potential interest that the Ottawa Region Métis may have in these projects I wanted to make sure that they were aware of the upcoming meeting, though notification has been sent previously by mail.

A copy of the meeting notice is attached to this message.

Thanks,

Sean

Sean K. Male, M.Sc.
REA Coordinator/Environmental Assessment & Management

HATCH™

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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McRae, Elizabeth

From: James Wagar [JamesW@metisnation.org]
Sent: Tuesday, March 29, 2011 2:02 PM
To: Male, Sean
Subject: Northland Power - MNO Meeting Request

Hello Sean.

The regionally based Métis communities in Eastern Ontario have expressed an interest to learn more about the multiple solar projects that Northland Power and Hatch have been working on. Simply due to the sheer bulk of solar projects east of Belleville, the potential/perceived cumulative impacts the community wishes to meet.

The community is interested in learning more about:

Rideau Lake SP
McCann SEP
Crosby SP
Belleville South SP
North Burgess SP
And any other Solar project that may be in your REA pipeline

The MNO represents constitutionally protected Métis citizens. So that the consultation process is effective, efficient and responsive, the MNO has developed regionally based consultation protocols. The regionally based Consultation Protocol Committees assess new projects within their region. The committee consist of one democratically elected representative of each council within the region, the regional Captain of the Hunt (currently NA in Eastern Ontario), the regional councillor who acts as the chair and in some situations a senator or youth representative. At this time the Eastern Ontario consultation committee consists of a youth rep, 2 council presidents, regional councillor and one support staff.

With our future engagements, it is important to consider that the Métis Nation of Ontario, its chartered councils and the Regional Protocol Committees representing Constitutionally protected citizens receive $0 core funding from both the Federal and Provincial Governments. As a result, the community councils operate entirely on a volunteer basis. The financial burden placed on council representatives can be fairly large and crippling to the communities growth and prosperity. To address this issue, the MNO has amended its Financial Policy to accommodate out of pocket expenses. These expenses include mileage($0.48/km), meals (where applicable), incidentals ($10) and per diem ($150). I anticipate that accommodation may be required for meaningful consultation to take place.

Upon meeting with the consultation committee, a Follow-up letter in response to the projects discussed will be provided to Hatch noting any questions, concerns and/or comments the committee may have. It has been my experience that on many occasions these comments are of a positive nature.

Moving forward it is important to note that as a consultation coordinator for the Métis Nation of Ontario (MNO) I help facilitate communications and provide technical support between the elected consultation committees and proponents. Speaking with me however does not constitute consultation with the Métis people as I am not an elected representative of the consultation committee.

To learn more about the Métis Nation of Ontario visit www.metisnation.org.

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

Many Thanks

JW
Metis Nation of Ontario
416-977-9881 x.107
jamesw@metisnation.org

GOVERNMENT SERVICES BUILDING
AND CULTURAL CENTRE

CURVE LAKE
FIRST NATION

CURVE LAKE, ONTARIO K0L 1R0

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

March 31st, 2011

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

Dear Sean Male

RE: Notice of Final Public Meeting & Documents for Review – Northland Power – Rideau Lakes and Crosby Solar Projects

We would like to acknowledge receipt of your correspondence on January 4th, 2011, regarding the above noted project and have reviewed your proposal.

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

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

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

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

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

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

Yours sincerely,

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