

# Appendix E Correspondence with the Public

From: Male, Sean

**Sent:** Monday, August 16, 2010 11:21 AM

To: 'Nancy & George Ingram'

Cc: Ron Holman; Sheldon Laidman; 334844 Subject: RE: Twp Rideau Lakes: Solar Projects

Dear Mr. and Mrs. Ingram,

Thank you very much for your interest and comments on Northland Power's proposed solar projects within the Township of Rideau Lakes. Northland Power would also like to thank you for your support for the Projects.

In respect of your concern regarding agricultural land, the Project's will be designed to minimize the potential footprint to the greatest extent possible. Further, as part of the Renewable Energy Approval process, potential impacts to the surrounding environment must be considered, and it is anticipated that through the use of mitigation measures there will be no impact to agricultural lands beyond the Project boundaries.

In respect of potential visual impacts associated with the Projects, Northland Power has noted your concern in this regard. Northland Power is considering visual screening for each Project on a case by case basis. A determination as to whether visual screening will be implemented, and what forms such visual screening may take if implemented, has not been made at this time.

For your information I have added your mailing address to our distribution list so that you will receive any future notices relating to the Projects directly.

Thank you again for your comments, and we hope that you are able to attend our public information centre on August 24<sup>th</sup> at 6:00 p.m. at the Crosby Hall. If you have any further questions, please do not hesitate to contact me.

Sincerely,

#### Sean K. Male, M.Sc.

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

From: Nancy & George Ingram [mailto:ingram@rideau.net]

Sent: Sunday, August 15, 2010 12:22 PM

To: Male, Sean

Cc: Ron Holman; Sheldon Laidman

Subject: Twp Rideau Lakes: Solar Projects

Mr Male.

I would like to offer a few comments with regard to the three Renewable Energy Projects proposed by Northland Power in the vicinity of McCann Road, Township of Rideau Lakes ("Crosby Solar Project", "McCann Solar Project" and "Rideau Lakes Solar Project").

At the outset I would like to state that I welcome the development of the three solar projects. They represent a contribution to the Province's move to alternative sources of energy and provide direct economic benefits for the Township of Rideau Lakes.

My concerns are twofold:

In principle I feel that it is important that these projects be designed in such a way that they have minimal impact on useable agricultural land. This includes not only the area actually occupied by the project but also adjacent areas which hopefully could be used for agricultural purposes either now or in future, if so desired. Although, it would appear that the projects occupy fairly marginal farmland, I would request that the existing projects and any future expansion respect this concern.

Secondly I feel that the solar projects should be visually screened from the road. The solar "farms" I have seen to date have been very unattractive --a jarring contrast when encountered on a drive through the countryside; in short, visually, they have a considerable negative environmental impact. This negative impact could be mitigated by screening the projects from the road by sensitive planting or some other means. Obviously the screening would have to be done in such a way that it would not impair the effectiveness of the solar panels and also in such a way that the screening itself did not represent a visual intrusion. (I was pleased to see in the Review Mirror that Mr. Barker, one of the property owners was himself concerned about the visual impact of the project to be located on his property)

I hope that these comments are helpful,

George & Nancy Ingram 122 Scott Lane North Crosby Ward Township of Rideau Lakes

Tel: (613) 272-3604

E-Mail: Ingram@Rideau.net

From: Male, Sean

**Sent:** Friday, January 14, 2011 7:58 AM

To: 'Jane and Duncan Pickard'

Subject: RE: Rideau Lakes/Crosby Solar Project

#### Dear Mrs. Pickard,

You are correct that there were 3 projects under review in Rideau Lakes Township. The McCann Solar Project, is still an active Project working through the Renewable Energy Approvals Process. We anticipate that the documents will be released in the coming months with the subsequent public open house for that Project held later in the spring.

Thank you for your interest in the Projects and if you have any further questions, please do not hesitate to contact me.

Sincerely,

#### Sean K. Male, M.Sc.

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

From: Jane and Duncan Pickard [mailto:jpick@kingston.net]

Sent: Thursday, January 13, 2011 1:57 PM

To: Male, Sean

Subject: Rideau Lakes/Crosby Solar Project

#### Good Afternoon:

Thank-you for your letter informing me of the public meeting, March 10th, 2011 regarding the above.

At the initial public open house in August, 2010 there were 3 projects under review in Rideau Lakes Township. Could you please advise me of the status of the McCann Solar Project. Is it still being considered as a possible site for solar panels?

Thank-you in advance.

Jane Pickard

From: Tom Hockin [Tom.Hockin@Northlandpower.ca]

**Sent:** Friday, January 28, 2011 5:47 PM **To:** Michael G. Baird; Male, Sean

**Cc:** Major, Andrew; Ann & Tom Carter; Helmut Mueller; jeanne moore; Karyn & Marc Larsen;

Keith Flegg; Mike Elliot; Peter D. Marshall; Peter J. Clark; Reg Scully; Ilona Raymond; TMcMichael@sympatico.ca; Tom & Carol (Vince Moore) Brandow; wthroop@cogeco.ca;

jharcourt@jimtubmanmotors.com; Mike Lord; Linda Barker; bruburn@rideau.net

Subject: RE: Crosby Solar Project

Hi Michael,

Thank you very much for your comments and for highlighting your concerns in such detail. We appreciate that you've put forth this collective and constructive communication from neighbours of the Crosby Solar Project.

Northland will issue a formal response to your questions and suggestions. I do sense, however, that an in person meeting could be helpful with and open dialogue and visual aids. I can bring maps, layouts and Photoshop renderings that could to ensure that we're all on page.

If I may, I'd like to propose an informal meeting this coming Wednesday, February at the Crosby Hall from 6:00-7:30pm, for a discussion. This event would be an additional meeting and will not replace the official Final Public Meeting on March 10<sup>th</sup> in Portland.

I understand that many of the landowners included in this email are seasonal and so attendance may be limited. If those who plan to attend could <u>please RSVP by end of the day next Tuesday (Feb 1<sup>st</sup>)</u> it would be greatly appreciated. Also if you feel that this meeting is a waste of time, please let me know, and I can cancel the meeting and the hall reservation all together.

The time and location of the meeting will be: Wednesday, Feb 2nd 6:00-7:30pm Crosby Hall, 3579 Highway 15, Crosby, ON

I'll provide a formal written response the week of February 8<sup>th</sup> after the proposed meeting.

Thank you.

Tom

Tom Hockin Development Manager - Renewables Office: 647.288.1046 Mobile: 416.305.1235



From: Michael G. Baird [mailto:mgbaird@rbsinternet.com]

Sent: January-16-11 12:34 PM

To: SMale

**Cc:** Major, Andrew; Ann & Tom Carter; Helmut Mueller; jeanne moore; Karyn & Marc Larsen; Keith Flegg; Mike Elliot; Peter D. Marshall; Peter J. Clark; Reg Scully; Ilona Raymond; TMcMichael@sympatico.ca; Tom & Carol (Vince Moore)

Brandow; wthroop@cogeco.ca; jharcourt@jimtubmanmotors.com

Subject: Crosby Solar Project

Hello Mr. Male,

I have a home very close to the Crosby Solar Project and would like to ask some questions and make some comments.

I access my property by using the farm road – 422 Little Rideau Lake Road. This farm road forms the North West boundary of the Brus property which has been leased for the solar project. Sixteen other residents – permanent and seasonal - also use this road.

My questions and concerns involve:

- 1. ground water disturbance
- 2. noise
- 3. visual landscape.

I understand that the Upper Rideau Lake Association has concerns about surface water runoff into the Upper Rideau Lake and these will be addressed by them but are also a concern of mine and I suspect a concern of my neighbours as well.

#### 1. Ground Water Disturbance;

After reading about the problems that the residents of South Elmsley, who live near the solar project there, have had I am very concerned. My understanding is that Northern Power Inc. (NPI) will make hundreds if not thousands of drill holes into bedrock to stabilize the supporting structures for the 50,000 +/- solar panels to be installed at the Crosby site. I appreciate that it is not clear yet that the drilling actually caused the problems in South Elmsley but no one would be surprised if it was. I understand that HATCH Inc. was also the consulting firm involved in that project.

- a. What measures is NPI taking to prevent this same potential problem at the Crosby site?
- b. If NPI does disturb the ground water and it becomes transiently or permanently disturbed/changed what remedial measures does NPI propose?
- c. Is HATCH or NPI aware of any other solar projects in Canada or elsewhere in the world where ground water has been transiently or permanently disturbed/changed?
- d. Are there means ,other than drilling support poles into bedrock, of supporting the solar panels, for example concrete slabs?

#### 2. Noise:

The farm road, 422 Little Rideau Lake Road, Is a place of recreation and exercise for all of the local residents. It is uncommon to drive down the lane without seeing someone walking, cycling or jogging, especially in the summer. In your Noise Assessment Report the most northwesterly and northeasterly cluster of inverters and intermediate transformer are about 100 meters and 250 meters respectively away from the farm road. As well, the most northwesterly array of solar panels and its inverter/transformer, topographically, is very much higher than the farm road and sound will therefore carry further. The Noise Assessment report contains a map, Figure C1 Noise Map, Rev. A, Page C4, in which the farm road closest to the northwesterly inverter/transformer site is in the" >40 decibel" area.

a. I would like to ask NPI to put a soundproofing barrier around the most northwesterly inverter/transformer station, and perhaps the northeasterly one as well, just like the sound barrier around the Substation close to Little Rideau Lake Road.

#### 3. Visual Landscape;

My neighbours and I purchased properties in the area because we wanted the "country experience" and all it entails. We certainly don't want to see fields of solar panels whenever we drive to and from our properties or go for a walk on our cottage lane. The map (Noise Assessment Report. Rev. A, Page B15) of the project shows the array of solar panels right up against the northwest property line and right beside our farm road, 422 Little Rideau Lake Road.

- a. How far back from the property line is the 2 meter fence surrounding the project and particularly along to northwest boundary?
- b. Is the fence to be constructed around the boundary of all of the leased land or just around the footprint of the actual array of solar panels?
- c. What plans do you have for improving the 'visual landscape', especially along our farm road?

I would ask NPI to have a 100 ft. (30 m.) setback for the fence along the northwest boundary of the leased land. I would ask NPI to construct a visual barrier along the northwest boundary, especially where the array of solar panels is close to the farm road. This visual barrier could be a berm or a row of evergreens within the 100 ft. setback. There is an existing tree line between the two properties but it is thin and scraggly and for 6 or 7 months of the year has no leaves and is not a visual barrier at all. Since this is a northwest boundary, trees along this boundary will not reduce sunlight to the solar panels.

I have taken the liberty of copying this e-mail to my neighbours so that they won't pose the same questions to you. Would you please include them in your response.

I have also sent it to NPI using the e-mail utility on their website – perhaps that goes to you as well!.

Looking forward to your reply. Will you be at the meeting in Portland on March 10?

Yours sincerely,

MG Baird MD

From: Tom Hockin [Tom.Hockin@Northlandpower.ca]

Sent: Tuesday, February 01, 2011 9:47 AM

To: Michael G. Baird: Male. Sean

'Major, Andrew'; 'Ann & Tom Carter'; 'Helmut Mueller'; 'jeanne moore'; 'Karyn & Marc Larsen'; Cc:

'Keith Flegg'; 'Mike Elliot'; 'Peter D. Marshall'; 'Peter J. Clark'; 'Reg Scully'; 'Ilona Raymond'; TMcMichael@sympatico.ca: 'Tom & Carol (Vince Moore) Brandow': wthroop@cogeco.ca: jharcourt@jimtubmanmotors.com; Mike Lord; 'Linda Barker'; bruburn@rideau.net; Michael G.

Baird; Mike Lord

Subject: RE: Crosby Solar Project

Dear residents of 422 Little Rideau Lake Road.

Thank you all for your responses to my informal meeting invitation to discuss the Solar Crosby project. Based on those responses, it looks like it will be better attended if we re-schedule for next week. So the new time and location are:

Wednesday, February 9th 6:00-7:30pm Crosby Hall, 3579 Highway 15, Crosby, ON

I would like to re-iterate that this is an informal meeting to address the specific questions and concerns of the cottage road association for the residents of 422 Little Rideau Lake. This event will not replace the official Final Public Meeting on March 10<sup>th</sup> in Portland.

I look forward to meeting with those who are able to attend. After the meeting I will send a summary an email to everyone summarizing our discussion.

Regards,

Tom

Tom Hockin Development Manager - Renewables Office: 647.288.1046

Mobile: 416,305,1235



**From:** Michael G. Baird [mailto:mgbaird@rbsinternet.com]

**Sent:** January-29-11 5:18 PM To: Tom Hockin; SMale

Cc: 'Major, Andrew'; 'Ann & Tom Carter'; 'Helmut Mueller'; 'jeanne moore'; 'Karyn & Marc Larsen'; 'Keith Flegg'; 'Mike Elliot'; 'Peter D. Marshall'; 'Peter J. Clark'; 'Reg Scully'; 'Ilona Raymond'; TMcMichael@sympatico.ca; 'Tom & Carol (Vince

Moore) Brandow'; wthroop@cogeco.ca; jharcourt@jimtubmanmotors.com; Mike Lord; 'Linda Barker';

bruburn@rideau.net: Michael G. Baird Subject: RE: Crosby Solar Project

Thanks for your response Mr. Hockin. I would like to meet with you and certainly don't think it would be a waste of time. Unfortunately I am out of town Wednesday and won't arrive back in Kingston until 1930 hrs Wed. night. There are also a number of full time and seasonal landowners out of the country and so they won't be available to attend either. Why

don't we see who can attend this Wednesday and if there are only a very few perhaps we could re-schedule. If we need to reschedule, and you are still available, I am available this Thursday night (Feb 3), Friday-mid afternoon or later, on the weekend or next Monday, Tuesday or Wednesday evening. After that I am away until Feb 21.

I should mention that I met Mr. Male and one of HATCH's sound engineers recently at a Recurrent Energy meeting in South Elmsley a week or so ago and they were very helpful.

#### Mike Baird

**From:** Tom Hockin [mailto:Tom.Hockin@Northlandpower.ca]

**Sent:** Friday, January 28, 2011 5:47 PM

To: Michael G. Baird; SMale

**Cc:** Major, Andrew; Ann & Tom Carter; Helmut Mueller; jeanne moore; Karyn & Marc Larsen; Keith Flegg; Mike Elliot; Peter D. Marshall; Peter J. Clark; Reg Scully; Ilona Raymond; TMcMichael@sympatico.ca; Tom & Carol (Vince Moore) Brandow; wthroop@cogeco.ca; jharcourt@jimtubmanmotors.com; Mike Lord; Linda Barker; bruburn@rideau.net

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Looking forward to your reply. Will you be at the meeting in Portland on March 10?

Yours sincerely,

MG Baird MD

From: Tom Hockin [Tom.Hockin@Northlandpower.ca]

**Sent:** Friday, March 04, 2011 12:29 PM

To: Michael G. Baird

Cc: brandow@sympatico.ca; Helmut Mueller; kflegg@rogers.com; Ilona Raymond;

jeannemoore@sympatico.ca; MajorA@roynat.com; km.larsen@sympatico.ca; lmelliot@sympatico.ca; pmarsh@magi.com; clarkpj@BellSouth.net; reg@aol.com;

TMcMichael@sympatico.ca; wthroop@cogeco.ca; jharcourt@jimtubmanmotors.com; Male,

Sean; Mike Lord

Subject: RE: Meeting with residents of 422 Little Rideau Lake Road

Hi Michael,

It was a pleasure to meet with the residents of 422 Little Rideau Lake Road at our meeting on March 9<sup>th</sup> at Crosby Hall. We very much appreciate that you've representative collective voice, on part of the residents, and have engaged with us on a constructive thought process to address your concerns.

I would like to respond to each of your meeting highlights below, in this email, but some aspects (such as the MOE Groundwater Report and visual renderings) will not be available until the Public Meeting on March 10<sup>th</sup>.

#### 1. Groundwater

As you know, Northland and Hatch have been working with the Ministry of the Environment (MOE) on concerns related to the well water. We are currently drafting a document that will include a plan for a Pre-Construction Survey of current well conditions and a response plan should a concern be identified. We will bring a copy of this draft report to the Public Meeting. Key action items in the plan will be:

- Contacting all well owners within 500 m of the Project location, prior to construction, to request permission to conduct a 'Well Survey'. We will provide a map of those within this 500 metre radius in the report.
- Providing well owners with a list of questions to assist in establishing well history (e.g. construction type, groundwater quality and quantity).
- Collecting water samples from the well to be analyzed (e.g. alkalinity, pH, colour, turbidity, bacteria, hardness, etc.). Northland will follow the MOE's guidance on sampling, the purpose of which is to establish a pre-construction reference point for the well's condition. Northland Power recommends that all well owners conduct period testing in accordance with Ministry of Health guidelines.
- Regardless of whether you participate in the survey, all landowners within 500 m will also be provided
  with emergency contact information for Northland Power should an individual believe that the water
  quality within their well is impacted during construction.
- Response steps will include the immediate sampling the well water and providing of bottled water to the impacted party, if a problem is confirmed related to the project's construction activities.
- Northland Power will immediately implement their contingency plan to determine the cause of the impact and the corrective measures required to restore groundwater quality within the well.

On the issue of sealing entries into bedrock; we plan to grout all penetrations.

#### 2. Noise

We are pleased to inform you we have revised our design of the facility to accommodate your concerns about noise as well as the visual landscape. We believe, in our latest design, that we will be able to distance the panels from the roadway by ~80-95 metres. In our noise study with the previous design (right along the roadway) the nearest inverter was below the 40 decibel level to passersby of the road. Now that the panels are proposed to be 80-95 metres away, the noise level at the road will be even lower than what the MOE already defined as acceptable, and thus no additional noise attenuation is proposed.

#### 3. Visual Landscape

As we've mentioned, we are pleased that our revised design proposes for the panels and fence line to be ~80-95 metres from the road at their nearest point. This will be evident when you see the revised layout at the public meeting. This greater distance in combination with high growing grasses between the panels and the cottage road should provide for a view that is consistent with its current farm use. We can also consider the use of vines/ivy for further "top up" coverage if necessary.

I would like to thank you again for the time you've taken to work through this concerns. We look forward to seeing everyone at the Public Information Centre on March 10<sup>th</sup> and discussing our proposed measures in more detail.

Regards, Tom

Tom Hockin Development Manager - Renewables Office: 647.288.1046 Mobile: 416.305.1235



From: Michael G. Baird [mailto:mgbaird@sympatico.ca]

Sent: February-18-11 10:46 AM

To: Tom Hockin; SMale

Subject: Meeting with residents of 422 Little Rideau Lake Road

Hello Tom & Sean,

Thank you very much for meeting with us last week to discuss the Crosby Solar Project and its impact on those of us who use 422 Little Rideau Lake Road. We found the meeting useful and informative. We would like to outline what we took away from the meeting.

#### 1. Ground Water

We understand that we can't predict whether drilling into the bedrock at the site of the Project will disturb our ground water or not. We understand that Northland Power Inc. (NPI) will only drill into bedrock if necessary and in fact that they would prefer not to. NPI will test the well water of homes/cottages (we understand that not all of the cottages have wells) in the area before construction starts and after it is finished. The type and presumably the timing of the testing will be determined by the Ministry of the Environment (MOE). Ann Carter pointed out that bacteriologic testing must be performed on three occasions one week apart to get a valid determination.

We didn't discuss which residences will be involved in the testing but we assume that all of the homes on 422 Little Rideau Lake Road will be involved.

NPI will seal (caulk) each entry site into bedrock if drilling is required.

#### 2. Noise

One section of 422 Little Rideau Lake Road is very close to the northwest corner of one of the arrays of solar panels and is very close to, if not in, the 40 decibel area. Tom pointed out that our homes/cottages

are far away from this point but did concede that the cottage road, to us, is our 'driveway' and a part of our homes and country lifestyle.

Tom Hocking agreed to look into placing a soundproofing barrier around the inverter/transformer in the northwest corner solar panel array.

Tom also agreed to see if part or all of the northwest array of panels can be moved to another part of the leased land. This would solve the noise and much of the visual landscape (see below) concerns. Tom Hocking pointed out that, as the project is currently configured, it could not simply be moved 20 or 30 meters to the south because there is a waterway at the southwest corner of the project and the project must be at least 30 meters away from that.

Ann Carter pointed out that a berm along the cottage road in that area would act as a noise barrier and may negate the need for a soundproof barrier around the inverter/transformer.

#### 3. Visual Landscape

Although contamination of our groundwater would be the most damaging and expensive negative consequence of the Solar Project on our properties, if it were to occur, it is uncertain and probably unlikely that it will occur. What will certainly occur however is disruption of the countryside that we see whenever we go to or leave our homes and when we go for walks etc. It appears that what we will see from Little Rideau Lake Road itself is minimal, but what we see of the project from the cottage road is considerable. As presently configured the northwest corner of the project is 10 meters from the cottage road. The solar panels and chain link fence are very close, the chain link fence will run parallel to the cottage road for about 600 meters.

A number of suggestions were made to hide the fence and panels from the view of those on the cottage road.

Ann Carter pointed out that <u>vines/ivy</u> along the fence line would grow quickly and tolerate difficult weather/soil conditions well.

Mike Baird recommended <u>evergreens</u>, they would provide coverage all year round; vines lose their leaves in the winter.

A <u>berm with evergreens</u> planted on it is a good option, the berm would also act as a noise barrier as discussed earlier, it may also help prevent the dust from the cottage road reaching the solar panels. In the dry summer months there is a lot of dust kicked up by cars on the road and it tends to go where the panels will be.

A combination of vines/ivy, trees and a berm is the best option giving early coverage with the vines and long term visual appeal with the trees and berm.

Tom Brandow and Helmut Mueller noted that there may be a lot of soil available to construct a berm as NPI grades the land to accept the solar arrays.

We realize that the purchase and planting of 'home landscape' evergreens 5' or 6' tall is expensive however we are not looking for a quick fix. Evergreen seedlings, 18' to 24' tall are inexpensive and we will maintain and water them – assuming they are outside the chain link fence. We are not expecting immediate camouflage of the project. With appropriate planning we would like to create a pleasant visual landscape that will, over a few years, hide the fence and solar panels.

These plans however may require repositioning some of the panels because there is not a lot of room between the northwest corner of the project and the property line (10 m).

We are looking forward to your response to our meeting and will see you again on March 10.

Regards,

Ann & Tom Carter Carol & Tom Brandow Helmut Mueller Martha & Michael Baird

From: Tom Hockin [Tom.Hockin@Northlandpower.ca]

**Sent:** Friday, March 04, 2011 12:36 PM

To: Michael G. Baird

Cc: Michael G. Baird; Male, Sean

**Subject:** FW: Meeting with residents of 422 Little Rideau Lake Road

#### Hi Michael,

Alas, I just noticed the date of our original meeting was February 9<sup>th</sup>, not March 9<sup>th</sup> as I've mistyped below. Look forward to seeing you on March 10<sup>th</sup>.

Regards, Tom

From: Tom Hockin

Sent: March-04-11 12:29 PM

To: 'Michael G. Baird'

**Cc:** 'brandow@sympatico.ca'; Helmut Mueller; 'kflegg@rogers.com'; Ilona Raymond; 'jeannemoore@sympatico.ca'; 'MajorA@roynat.com'; 'km.larsen@sympatico.ca'; 'lmelliot@sympatico.ca'; 'pmarsh@magi.com'; 'clarkpj@BellSouth.net'; 'reg@aol.com'; 'TMcMichael@sympatico.ca'; 'wthroop@cogeco.ca'; 'jharcourt@jimtubmanmotors.com'; SMale; Mike Lord

Subject: RE: Meeting with residents of 422 Little Rideau Lake Road

Hi Michael,

It was a pleasure to meet with the residents of 422 Little Rideau Lake Road at our meeting on March 9<sup>th</sup> at Crosby Hall. We very much appreciate that you've representative collective voice, on part of the residents, and have engaged with us on a constructive thought process to address your concerns.

I would like to respond to each of your meeting highlights below, in this email, but some aspects (such as the MOE Groundwater Report and visual renderings) will not be available until the Public Meeting on March 10<sup>th</sup>.

#### 1. Groundwater

As you know, Northland and Hatch have been working with the Ministry of the Environment (MOE) on concerns related to the well water. We are currently drafting a document that will include a plan for a Pre-Construction Survey of current well conditions and a response plan should a concern be identified. We will bring a copy of this draft report to the Public Meeting. Key action items in the plan will be:

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- Providing well owners with a list of questions to assist in establishing well history (e.g. construction type, groundwater quality and quantity).
- Collecting water samples from the well to be analyzed (e.g. alkalinity, pH, colour, turbidity, bacteria, hardness, etc.). Northland will follow the MOE's guidance on sampling, the purpose of which is to establish a pre-construction reference point for the well's condition. Northland Power recommends that all well owners conduct period testing in accordance with Ministry of Health guidelines.
- Regardless of whether you participate in the survey, all landowners within 500 m will also be provided
  with emergency contact information for Northland Power should an individual believe that the water
  quality within their well is impacted during construction.
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- Northland Power will immediately implement their contingency plan to determine the cause of the impact and the corrective measures required to restore groundwater quality within the well.

On the issue of sealing entries into bedrock; we plan to grout all penetrations.

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We are pleased to inform you we have revised our design of the facility to accommodate your concerns about noise as well as the visual landscape. We believe, in our latest design, that we will be able to distance the panels from the roadway by ~80-95 metres. In our noise study with the previous design (right along the roadway) the nearest inverter was below the 40 decibel level to passersby of the road. Now that the panels are proposed to be 80-95 metres away, the noise level at the road will be even lower than what the MOE already defined as acceptable, and thus no additional noise attenuation is proposed.

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As we've mentioned, we are pleased that our revised design proposes for the panels and fence line to be ~80-95 metres from the road at their nearest point. This will be evident when you see the revised layout at the public meeting. This greater distance in combination with high growing grasses between the panels and the cottage road should provide for a view that is consistent with its current farm use. We can also consider the use of vines/ivy for further "top up" coverage if necessary.

I would like to thank you again for the time you've taken to work through this concerns. We look forward to seeing everyone at the Public Information Centre on March 10<sup>th</sup> and discussing our proposed measures in more detail.

Regards, Tom

Tom Hockin **Development Manager - Renewables** Office: 647.288.1046

Mobile: 416.305.1235



From: Michael G. Baird [mailto:mgbaird@sympatico.ca]

Sent: February-18-11 10:46 AM

To: Tom Hockin; SMale

Subject: Meeting with residents of 422 Little Rideau Lake Road

Hello Tom & Sean,

Thank you very much for meeting with us last week to discuss the Crosby Solar Project and its impact on those of us who use 422 Little Rideau Lake Road. We found the meeting useful and informative. We would like to outline what we took away from the meeting.

#### 1. Ground Water

We understand that we can't predict whether drilling into the bedrock at the site of the Project will disturb our ground water or not. We understand that Northland Power Inc. (NPI) will only drill into bedrock if necessary and in fact that they would prefer not to. NPI will test the well water of homes/cottages (we understand that not all of the cottages have wells) in the area before construction starts and after it is finished. The type and presumably the timing of the testing will be determined by the Ministry of the Environment (MOE). Ann Carter pointed out that bacteriologic testing must be performed on three occasions one week apart to get a valid determination.

We didn't discuss which residences will be involved in the testing but we assume that all of the homes on 422 Little Rideau Lake Road will be involved.

NPI will seal (caulk) each entry site into bedrock if drilling is required.

#### 2. Noise

One section of 422 Little Rideau Lake Road is very close to the northwest corner of one of the arrays of solar panels and is very close to, if not in, the 40 decibel area. Tom pointed out that our homes/cottages are far away from this point but did concede that the cottage road, to us, is our 'driveway' and a part of our homes and country lifestyle.

Tom Hocking agreed to look into placing a soundproofing barrier around the inverter/transformer in the northwest corner solar panel array.

Tom also agreed to see if part or all of the northwest array of panels can be moved to another part of the leased land. This would solve the noise and much of the visual landscape (see below) concerns. Tom Hocking pointed out that, as the project is currently configured, it could not simply be moved 20 or 30 meters to the south because there is a waterway at the southwest corner of the project and the project must be at least 30 meters away from that.

Ann Carter pointed out that a berm along the cottage road in that area would act as a noise barrier and may negate the need for a soundproof barrier around the inverter/transformer.

#### 3. Visual Landscape

Although contamination of our groundwater would be the most damaging and expensive negative consequence of the Solar Project on our properties, if it were to occur, it is uncertain and probably unlikely that it will occur. What will certainly occur however is disruption of the countryside that we see whenever we go to or leave our homes and when we go for walks etc. It appears that what we will see from Little Rideau Lake Road itself is minimal, but what we see of the project from the cottage road is considerable. As presently configured the northwest corner of the project is 10 meters from the cottage road. The solar panels and chain link fence are very close, the chain link fence will run parallel to the cottage road for about 600 meters.

A number of suggestions were made to hide the fence and panels from the view of those on the cottage road.

Ann Carter pointed out that <u>vines/ivy</u> along the fence line would grow quickly and tolerate difficult weather/soil conditions well.

Mike Baird recommended <u>evergreens</u>, they would provide coverage all year round; vines lose their leaves in the winter.

A <u>berm with evergreens</u> planted on it is a good option, the berm would also act as a noise barrier as discussed earlier, it may also help prevent the dust from the cottage road reaching the solar panels. In the dry summer months there is a lot of dust kicked up by cars on the road and it tends to go where the panels will be.

A combination of vines/ivy, trees and a berm is the best option giving early coverage with the vines and long term visual appeal with the trees and berm.

Tom Brandow and Helmut Mueller noted that there may be a lot of soil available to construct a berm as NPI grades the land to accept the solar arrays.

We realize that the purchase and planting of 'home landscape' evergreens 5' or 6' tall is expensive however we are not looking for a quick fix. Evergreen seedlings, 18' to 24' tall are inexpensive and we will maintain and water them – assuming they are outside the chain link fence. We are not expecting immediate camouflage of the project. With appropriate planning we would like to create a pleasant visual landscape that will, over a few years, hide the fence and solar panels.

These plans however may require repositioning some of the panels because there is not a lot of room between the northwest corner of the project and the property line (10 m).

We are looking forward to your response to our meeting and will see you again on March 10.

Regards,

Ann & Tom Carter Carol & Tom Brandow Helmut Mueller Martha & Michael Baird

From: Tom Hockin [Tom.Hockin@Northlandpower.ca]

**Sent:** Tuesday, March 08, 2011 10:49 AM

To: peter marshall

Cc: Michael G. Baird; Male, Sean

Subject: RE: Meeting with residents of 422 Little Rideau Lake Road

Dear Mr. Marshall,

Thank you very much for your comments/questions. Please find some brief responses to your concerns below. These response have been provided by Sean Male, our Renewable Energy Approval Coordinator, from Hatch. We will welcome the opportunity to discuss your concerns in further detail at our meeting on March 10<sup>th</sup>.

1. What monitoring and reporting will be done pre/post implementation?

Monitoring measures and reporting requirements have been specified during the construction, operation, and decommissioning phases within the following reports (Construction Plan Report, Design and Operations Report, Natural Heritage Environmental Impact Study, Waterbodies Environmental Impact Study). The full extent of monitoring proposed cannot be adequately summarized here, but will consist of at minimum, baseline well water monitoring, dust monitoring, monitoring of sediment and erosion control measures, monitoring of work area limits, and monitoring of identified timing restrictions, among others. The purpose of the proposed monitoring program is to ensure that the identified mitigation measures are functioning effectively such that there are no unanticipated negative environmental effects.

2. What remediation, including costs of implementing said remediation(s) is guaranteed to occur? Timeframes of remediation(s); "make whole" compensation.

Remediation measures relating to site restoration following construction and during decommissioning have been identified within the Construction Plan Report and Decommissioning Plan Report. As these remediation measures have been outlined within these reports, which will ultimately be subject to the Renewable Energy Approval, these measures are guaranteed to occur as any measures which do not meet these requirements would be in violation of the terms of the Renewable Energy Approval.

In respect of the timeframes for remediation, site restoration activities will occur immediately following construction, with monitoring occurring for several years following completion to ensure success of remediation efforts.

3. Will there be any legal recourse for negative unintended consequences of this project? Will the government/its agents pay the legal costs of any necessary action?

Should any negative unintended consequences of the Project occur that violate either a provincial or federal regulation relating to environmental protection, it is anticipated that the responsible authority (for example the Ministry of the Environment were it determined that noise levels were greater than the regulated levels) would undertake legal recourse.

Unfortunately, we cannot provide an opinion with respect to whether the government or its agents would pay the legal costs of any necessary action, and recommend that you contact the local Ministry of the Environment to discuss your concerns further.

4. Can a cottage well (eg.mine, at lot 210, 422 Little Rideau Lake Road) outside the suggested 500 meter distance from the solar panel "farm" project still be included within the well water monitoring plan?

Northland will consider requests for inclusion within the baseline well water monitoring program for those well owners that fall a reasonable distance outside of the 500 meter radius. At this time, Northland can neither agree to nor reject the idea of including your well within the baseline well water monitoring program.

A draft copy of our pre-construction survey of current well conditions and response plan will be available for review at the public meeting. Thank you again for your comments and hope to meet with you at the public meeting on March 10<sup>th</sup>.

Regards,

Tom

Tom Hockin Development Manager - Renewables Office: 647.288.1046 Mobile: 416.305.1235



From: peter marshall [mailto:peter.marshall1@rogers.com]

Sent: March-05-11 1:36 AM

To: Tom Hockin Cc: Michael G. Baird

Subject: Fw: Meeting with residents of 422 Little Rideau Lake Road

Tom Hockin:

Congrats on a very good initial effort!

My comments/questions for the March 10 meeting:

What monitoring and reporting will be done pre/post implimentation?

What remediation, including costs of implimeting said remediation(s) is guaranteed to occur? Timeframes of remediation(s); "make whole" compensation.

Will there be any legal recourse for negative unintended consequences of this project? Will the government/its agents pay the legal costs of any necessary action?

Can a cottage well (eg.mine, at lot 210, 422 Little Rideau Lake Road) outside the suggested 500 meter distance from the solar panel "farm" project still be included within the well water monitoring plan?

Thank you in advance for your efforts.

Peter Marshall 210-422 Little Rideau Lake Road Portland. ON

---- Original Message -----

From: Tom Hockin
To: Michael G. Baird

**Cc:** <u>brandow@sympatico.ca</u>; <u>Helmut Mueller</u>; <u>kflegg@rogers.com</u>; <u>llona Raymond</u>; <u>jeannemoore@sympatico.ca</u>; <u>MajorA@roynat.com</u>; <u>km.larsen@sympatico.ca</u>; <u>lmelliot@sympatico.ca</u>; <u>pmarsh@magi.com</u>; <u>clarkpj@BellSouth.net</u>; <u>reg@aol.com</u>; <u>TMcMichael@sympatico.ca</u>; <u>wthroop@cogeco.ca</u>; <u>jharcourt@jimtubmanmotors.com</u>; <u>SMale</u>; <u>Mike Lord</u>

**Sent:** Friday, March 04, 2011 12:29 PM

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We are looking forward to your response to our meeting and will see you again on March 10.

Regards,

Ann & Tom Carter Carol & Tom Brandow Helmut Mueller Martha & Michael Baird

From: R STEWART [wendystewart@rogers.com]
Sent: Friday, January 14, 2011 11:29 AM

To: Male, Sean

Subject: Crosby Solar Project

Hi Sean,

Thanks for sending Notice of Meeting for the Crosby Solar Project. Unfortunately, I will be out of the country on March 10th and unable to attend. I expect that Jayne Macdonald, Vice-President, Upper Rideau Lake Association, and Executive Member Anne Carter will attend in my stead.

Earlier today I had an opportunity to speak with another member of your team regarding some outstanding questions that the Upper Rideau Lake Association has, and Tom suggested I email you with followup. May I begin by saying that the on-line reports are very comprehensive and useful in helping me to understand the project.

One of the outstanding concerns raised by many residents is the possible contamination of groundwater (as happened in South Elmsley) due to drilling holes in the limestone to set the support structures. Tom has promised to forward the MOE report when it is available which will be helpful. I would appreciate receiving any new information on this issue as it becomes available.

We are also concerned with impact on Watercourse B which has been identified as an animal movement corridor for reptiles and amphibians of significance as it links critical breeding and over-wintering habitats - and drains directly into Steadman's Bay in Upper Rideau Lake. We have been advised that all structures, including fencing are at least 30 m. back from the creek corridor, and that measures will be taken during construction to control erosion and sedimentation. My reading of the Executive Summary a minimum 60M setback from aquatic habitat and biota (ie: bullfrog breeding grounds) is recommended, and I would request clarification on this point.

We are pleased to learn that no chemicals will be used in the future to clean the panels - and that if cleaning is necessary, water will suffice.

Tom has advised that vegetative cover for the area under and surrounding the panels has not yet been determined, but that a low-growing species such as white clover is contemplated. We would like to reiterate our concerns about the possible future use of any herbicide or poisons to control weeds and foliage that might someday threaten to shade your panels - as these chemicals will find their way into Upper Rideau Lake after a rainfall through the existing tile drainage system. We would like to see assurance that under no circumstances will chemical weed control be considered.

Questions have been raised about possible transformer leaks mentioned in the report. What substance(s) could potentially leak from transformers or other equipment? What is the likelihood of such an occurrence?

Our final issue concerns the appearance of the site from adjacent properties and roadways. Chain-link fencing topped with barbed-wire is unsightly and any measure taken to screen the fencing or set it back from the roadways so that future plantings of coniferous trees do not compromise the purpose of the fencing would be appreciated. I think making the site look attractive to the passing public will help local residents and all Ontarians more readily accept this new energy source.

Thank you for the opportunity to share the concerns of Upper Rideau Lake Association. We look forward to receiving the MOE report and further communications as this project advances.

Regards, Wendy Stewart President, Upper Rideau Lake Association

# Please Sign In

## **Northland Power – First Public Meeting**

**Projects:** 

Crosby, McCann, and Rideau Lakes Solar Projects

Date:

Tuesday August 24, 2010

Name	Complete Mailing Address (Name, Street, City, Postal Code)	Phone
ROD DENISON	RRHI PORTLAND	2725017
EVA "	tage of	2722457
FRANK CHAIKOWSKY	42 PENNY LAWE PORTLAND	272 5111
*Macdadd	Bop3 Newboro	2723099
F. Macdonald	Newtons "	71
But moth	RRSI PORTLAND	272-2186
May the then	NoAhlemer- 7573 Sulus Wey.	89(-5705
You Kha	North Contra a	889 7766
Roy Mattie	KR#/ Portland, Ost	272-2/28
All Myers	RR# Cortland Ont	272-2232
Som Wheth	373 little BidewilckAD	272-2393
Todd Wright	1. 4/4 Ridon laka RD	272-8722
Ryan Flatt	784 Melgan Rord	272-5380
Floral Wallace	RR#1 Portland: Penny Lane	272-2483
SueBus	24 Lettle Redeau L. Rd Portland	272-2138
anne Carter	109-422 Little Redence LIC Rd forth	1 272-5444
Tom 4	4	11
Ellis Stavenson		728-3181
MAURICE BOUGHAND	RIDEAU MACRESORT 613	329-8222
Pierre Podin	434 Mc Cann Rel	443-4993
Joon Oesch	1559 Cheffyis Lock Rd	359-6364
Dave Blank	NEWBORD, ON KOGIPO	2725335

# Please Sign In

## **Northland Power – First Public Meeting**

**Projects:** 

Crosby, McCann, and Rideau Lakes Solar Projects

Date:

Tuesday August 24, 2010

Name	Complete Mailing Address (Name, Street, City, Postal Code)	Phone
Mada	393 Narrows Lock Rd c	272-2227
JIM STEDMAN	FRIELGIN	2722729
Keith Mosher	10 Tett Cinele, RRZ, Wastport	273-8032
Kuth Vogel	Rl=2 Portland	275- 7291
John Kelk	RRZ Elezen UPPER RIDEAU LAKE ASSOCIATION	3591117
WENDY STEWART	PO BOX 217 WESTPORT KOG IXO	484-6228
HON Stewarer	PO BOX 217 WEST PORT 406 NO	484-6228
m-lane tectord	RRI BRTLAND Rd	272-2524
N Brand	2RH 2 West put. ON	293-7604
Harry . Linda Barker	R. P. #1, Portland, On	272-2533
Brian & Jocelyne Lalon	de RP#1 Portland Ont	272-3589
Bro J. Mn Bra		7735783

# **Comment Sheet**

### Northland Power – Crosby, McCann and Rideau Lakes Solar Projects

First Public Meeting: Tuesday August 24, 2010

<b>1.</b> Please indicate whether Project(s) by circling one or	your interest is pertinent to on more of the following:	e or more of the proposed
Crosby	McCann	Rideau Lakes
2. Please describe where y	ou reside in relation to the Pro	ject location(s)?
Boathouse in S	teadman's Bay -	islander on Upper Rideau
	eau Lake Associa	
	·	
opinion, should be conside	red in assessing the potential e	•
Concern re: t	ile drainage, si	vampland
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	vainage basin/ UNESC	co site.
		,
- Could p	orvjects eucomp	Iss educational
•		opportunity?
	·	

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Lake Assin is concerned regarding the
possibility of chemical weed control in
Feelds - which would unigrate to
Upper Rideau Lake via Steadman's Creek
Runoff is currently nutrient-rich -15
there a possibility of adding constructed
wetland to hold stormwater until
cleansed by natival processes?
If you would you like to be included on the Project mailing list, please provide your name and full mailing address below:
Name: Celeray Stewart
(/ Mailing Address (including your postal code):
P.O. Box 217, Westport, ON KOG/XC
wendystewart@rogers.com
WE WELCOME YOUR INPUT. PLEASE COMPLETE AND SUBMIT THIS COMMENT

SHEET BEFORE LEAVING - THANK YOU

Alternatively, if you prefer to mail/fax your response, please do so within 30 days to:
Sean Male, Environmental Coordinator
4342 Queen St, Suite 500, Niagara Falls, Ontario, L2E 7J7
Phone: 905-374-5200 Fax: 905-374-1157

**4.** Please provide any comments, questions or concerns related to the Project(s).

# **Comment Sheet**

### Northland Power – Crosby, McCann and Rideau Lakes Solar Projects

First Public Meeting: Tuesday August 24, 2010

Crosby	McCann		Rideau Lakes
Please describe where	e you reside in relation to the	e Project location	on(s)?
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WE WELCOME YOUR INPUT. PLEASE COMPLETE AND SUBMIT THIS COMMENT SHEET BEFORE LEAVING - THANK YOU

Alternatively, if you prefer to mail/fax your response, please do so within 30 days to:
Sean Male, Environmental Coordinator
4342 Queen St, Suite 500, Niagara Falls, Ontario, L2E 7J7
Phone: 905-374-5200 Fax: 905-374-1157

# **Comment Sheet**

### Northland Power – Crosby, McCann and Rideau Lakes Solar Projects

First Public Meeting: Tuesday August 24, 2010

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WE WELCOME YOUR INPUT. PLEASE COMPLETE AND SUBMIT THIS COMMENT SHEET BEFORE LEAVING - THANK YOU

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First Public Meeting: Tuesday August 24, 2010

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First Public Meeting: Tuesday August 24, 2010

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Phone: 905-374-5200 Fax: 905-374-1157

## **Comment Sheet**

## Northland Power – Crosby, McCann and Rideau Lakes Solar Projects

First Public Meeting: Tuesday August 24, 2010

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BR#1 Portland, Ont GOG-1VU

WE WELCOME YOUR INPUT. PLEASE COMPLETE AND SUBMIT THIS COMMENT SHEET BEFORE LEAVING - THANK YOU

Alternatively, if you prefer to mail/fax your response, please do so within 30 days to:
Sean Male, Environmental Coordinator
4342 Queen St, Suite 500, Niagara Falls, Ontario, L2E 7J7
Phone: 905-374-5200 Fax: 905-374-1157

## Crosby Solar Project

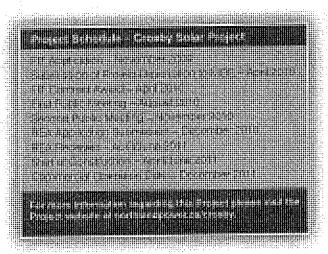
#### **Project Location**

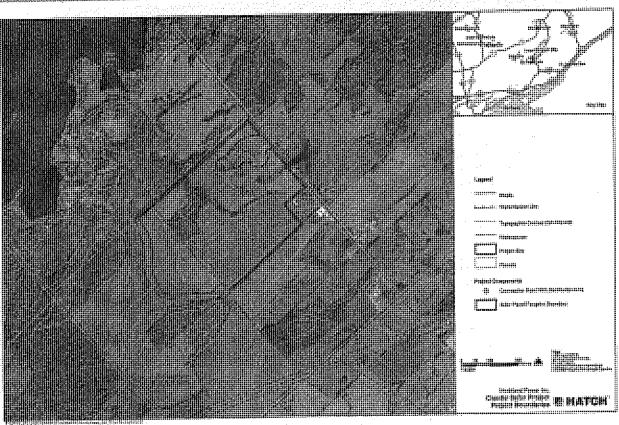
The proposed Project is located on Little Rideau Lakes Road, northeast of the Town of Newboro within the Township of Rideau Lakes. The proposed Project, if approved, will be constructed on privately owned lands.

#### **Project Description**

The proposed Crosby Solar Project is considered to be a Class 3 solar facility, as defined under the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09. Class 3 solar facilities are defined as having a name plate capacity of 10 kilowatts (kW) or greater and the solar panels are mounted on the ground. Specifically, this proposed Project has a nameplate capacity of 10MW (ac).

The proposed Project will use crystalline technology photovoltaic (PV) panels installed on ground-mounted rack structures made of steel and aluminum. The panels will be tilted and fixed in place (i.e., they will not move to track the sun). The project will consist of approximately 50,000 panels and will be designed to optimize energy production.





Ducks have little Onei here every Spring



1



## Please Sign In

## (PLEASE USE BLOCK LETTERS)

## **Northland Power – Final Public Meeting**

**Project: Rideau Lakes and Crosby Solar Project** 

Date: Thursday, March 10, 2011

Name	Complete Mailing Address			Phone
	Street	City	Postal Code	(Please include area code)
Brad Gibson	2100 Portland rd.	Elgin ont.	KOG 1E0	613 359-5921
Stephen Ball	123 Mill creek Oc	Delta ont	K05 160	613 928-2006
JOHN HALL	119 NARROW LOCK	Cres 134		613 530-0709
ROBERT TAYLOR	Gamble Sty Pd.	Coleforna	KOGIED	6133595118
Michael Matha BAIRD	Haz LHle Redease Lake Rd #208	Portfald	KOGIVÒ	613 539-4952
BURT MATTICE	BRUL PORTLA	<i>∪</i> ற	KOGIVO	613-272-3486
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EATING MACDONALD.	203 Cirelon H. Newhor	Kingoh	KTKLEXS	613-549-0732
Tim NASH	79 Pt-St-Mark [203 Carlatus St As	Kingston Newbord	K7KOX9	613549-0732
Nicole Halladay	758 McCann Rel . 1	Portland	K06 100	613-915-3360



## Please Sign In

## (PLEASE USE BLOCK LETTERS)

## **Northland Power – Final Public Meeting**

**Project: Rideau Lakes and Crosby Solar Project** 

Date: Thursday, March 10, 2011

Name	Complete Mailing Address			Phone Phone
A STATE OF THE STA	Street	City	Postal Code	(Please include area code)
Dave Heagle	11 Carleton	Newbore	KOGIPO	(613) 272-5327
Jagan Flathey	754 Accounter	1 Partail	KO6 2VD	6/3272538
ROB LAVOIE	20 UPPER RIDEAU	WESTAORT	KOG IXO	63 273-8177
Anne + Tom Carter	109-422 LITE Ru	lean Lake Rd 16	rolland RRI K	09 NO 613-699-
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Megan Kenny	94M Perth Rd.	Westport	KOG IXC	613 273 2986
Fannette Kenny	9477 Parth Rd	Westport	KOBIXO	613.273.2086
ROY DENISON	8118 CTY Rd	PORTLAND	K06 100	6132725017
MARCIARET BRAND	4642 Salin	Westpot	KOGIXO	613 273-7604
HELMUT MURLIER	3928 HEROE DR.	portung	KOG IVO	613 272-2776
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## **Comment Sheet**

### Final Public Meeting: Thursday March 10, 2011 Northland Power –Rideau Lakes and Crosby Solar Projects

1. Please indicate whether your interest is pertinent to one or both of the proposed Project(s) by circling one or both of the following:

	Rideau Lakes	Crosby	
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WE WELCOME YOUR INPUT. PLEASE COMPLETE AND SUBMIT THIS COMMENT SHEET BEFORE LEAVING - THANK YOU

Alternatively, if you prefer to mail/fax your response, please do so within 14 days (March 24, 2011) to:

Sean Male, Environmental Coordinator 4342 Queen St, Suite 500, Niagara Falls, Ontario, L2E 7J7 Phone: 905-374-5200 Fax: 905-374-1157

For more information regarding the Crosby and Rideau Lakes Solar Projects, please visit northlandpower.ca/crosby and/or northlandpower.ca/rideaulakes

### **Comment Sheet**

## Final Public Meeting: Thursday March 10, 2011 Northland Power –Rideau Lakes and Crosby Solar Projects

1. Please indicate whether your interest is pertinent to one or both of the proposed Project(s) by circling one or both of the following:

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f you would you like to be included on the Project mailing list, please provide your nam and full mailing address below:
Name: Megan Renny  Mailing Address (including your postal code):
9477 Perth Rd, Westport Out.

WE WELCOME YOUR INPUT. PLEASE COMPLETE AND SUBMIT THIS COMMENT SHEET BEFORE LEAVING - THANK YOU

Alternatively, if you prefer to mail/fax your response, please do so within 14 days (March 24, 2011) to:

Sean Male, Environmental Coordinator 4342 Queen St, Suite 500, Niagara Falls, Ontario, L2E 7J7 Phone: 905-374-5200 Fax: 905-374-1157

For more information regarding the Crosby and Rideau Lakes Solar Projects, please visit northlandpower.ca/crosby and/or northlandpower.ca/rideaulakes

Thank you



# **Appendix F Correspondence with Agencies**



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

Va Mer



3889 Rideau Valley Drive, P.O. Box 599, Manotick, ON K4M 1A5 tel 613-692-3571 | 1-800-267-3504 | fax 613-692-0831 | www.rvca.ca

A minmber of conservation ideas

Date: June 29, 2010 Our File: 10-RLA-GEN Reference: Brus

Hatch Ltd. 500 - 4342 Queen St Niagara Falls, ON L2E 7J7 Attn: Caleb Coughlin

Subject:

Property Inquiry for the renewable energy project located at Part of Lot 2, Concession 3, in the Township of North Crosby, Rideau Lakes Township, Little Rideau Lake Rd.

Dear Mr. Coughlin,

A search of our database indicates that there are currently no outstanding violations or orders on the property that we are aware of in so far as the Rideau Valley Conservation Authority's regulations are concerned. We are unaware of any directives, orders or breaches of regulations with respect to the current use of the property.

The Bog Marsh Provincially Significant Wetland (PSW), is located on the neighboring property to the south (please refer to attached map). A small portion of the 120 metre adjacent lands of the PSW are located on the property and are subject to Ontario Regulation 174/06 "Development, Interference with Wetlands, Alterations to Shorelines and Watercourses Regulation" made pursuant to the Conservation Authorities Act, 1990 as amended. Any development within the dotted line will require RVCA approval.

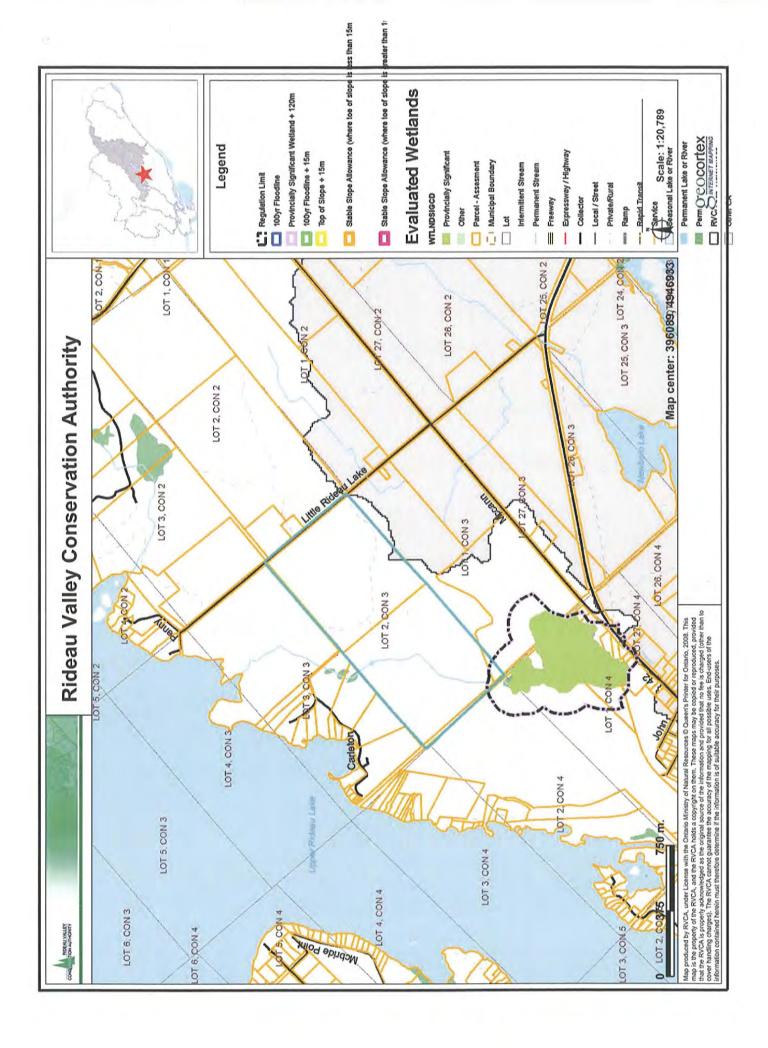
Please note that all watercourses traversing the site are subject to the Development, Interference with Wetlands and Alteration to Shorelines and Watercourses Regulation as well. The regulation requires that the owner obtain written approval from the Conservation Authority prior to straightening, changing, diverting or interfering in any way with the channel of the watercourse (this includes watercourse crossings). The Conservation Authority typically requires a 30 metre development setback from the normal highwater mark of any watercourse to protect water quality, prevent erosion, encourage nutrient uptake and to mitigate impacts on fish habitat.

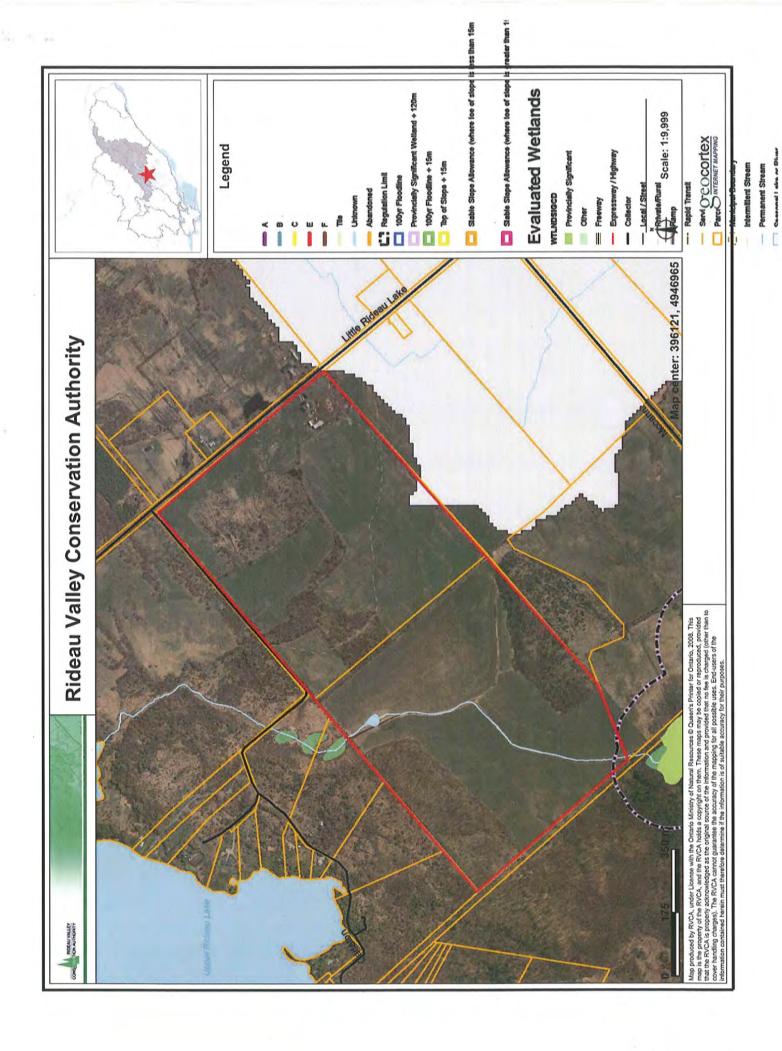
There are no features such as an ANSI (Area of Natural and Scientific Interest) located on the property. Should a *Planning Act* application be submitted to the municipality respecting any future development proposals, the Conservation Authority would likely be circulated the proposal for comments relating to the control of flooding, pollution and erosion. You may wish to contact the Ministry of Natural Resources – Kemptville (613-258-8204) for additional information concerning significant woodlots, wildlife habitat, and endangered species as we currently do not have mapping identifying these features.

The foregoing information is given for your convenience only and relates to the current use of the land. Municipal land use requirements may vary. It should be clearly understood that you must satisfy yourself as to whether the premises and the existing or proposed use thereof is or would be in conformity with all applicable regulations of the appropriate Conservation Authority. Should you have any questions please contact me at (613) 692-3571 x 1132.

Yours truly,

Megan Watters Resource Specialist





Ministry of Tourism and Culture

Culture Division
Culture Programs Unit
Programs and Services Branch
400 University Avenue, 4<sup>th</sup> floor
Toronto, ON, M7A 2R9
Telephone: 416-314-7132

Facsimile: 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, MTA 2R9

Téléphone: 416-314-7132 Télécopieur: 416-314-7175 Email : Jim.Sherratt@ontario.ca



September 9, 2010

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

RE: Crosby Solar Generation Facility, Lot 2, Concession 3, Geographic Township of North Crosby, Township of Rideau Lakes, United Counties of Leeds and Grenville, Ontario, FIT-FFPBQ42, MTC File no. HD00513, PIF No. P007-253-2010.

#### 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 [P007-253-2010] recommends the following:

In sum, Findspots 1-3 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

<sup>\*</sup>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: lan.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: lan.Hember@ontario.ca



January 6, 2011

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

RE: Crosby Solar Generation Facility, Lot 2, Concession 3, Geographic Township of North Crosby, Township of Rideau Lakes, United Counties of Leeds and Grenville, Ontario, FIT-FFPBQ42, MTC File no. HD00513, PIF No. P007-253-2010.

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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.

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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: <u>nathalie.matthews@ontario.ca</u>

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



MEMORANDUM

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

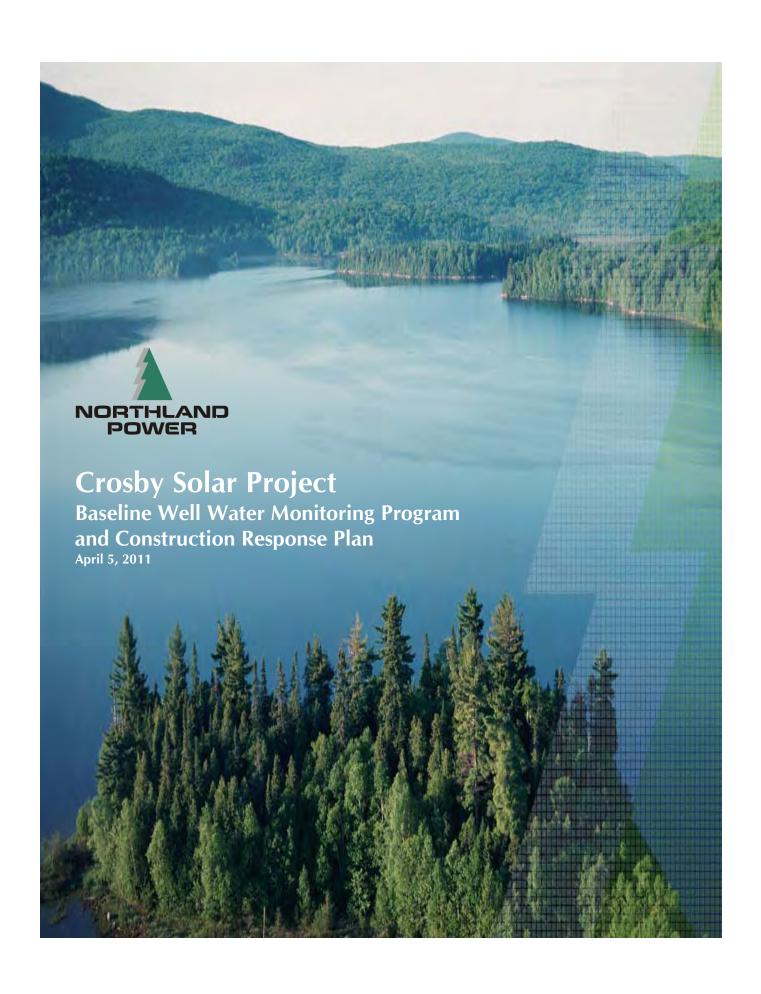
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Northland Power Inc. - Township of Rideau Lakes Solar Projects Baseline Well Water Monitoring Program and Construction Response Plan

**Project Report** 

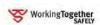
March 7, 2011

## Northland Power Inc. Township of Rideau Lakes Solar Projects

## **Baseline Well Water Monitoring Program and Construction Response Plan**

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3.	Construction Response Plan	. 3





Northland Power Inc. - Township of Rideau Lakes Solar Projects
Baseline Well Water Monitoring Program
and Construction Response Plan

#### 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





Northland Power Inc. - Township of Rideau Lakes Solar Projects
Baseline Well Water Monitoring Program
and Construction Response Plan

- 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.

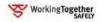
#### 3. Construction Response Plan

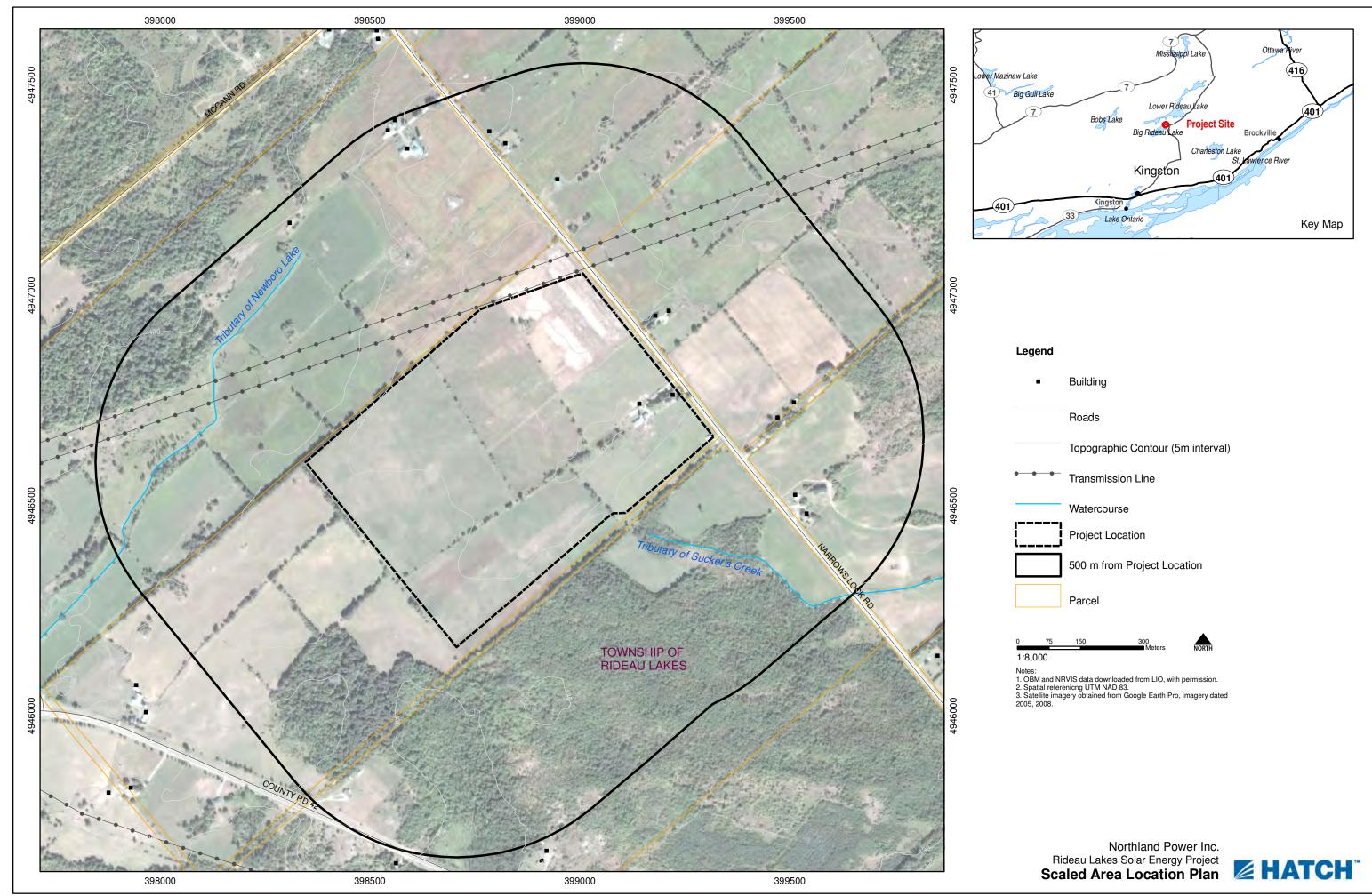
Prior to construction, all well owners within a 500-m radius of the Project location will be provided with contact information for Northland, and instructions that should the well owner identify a concern that their well is being impacted by construction activities, although Northland does not anticipate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

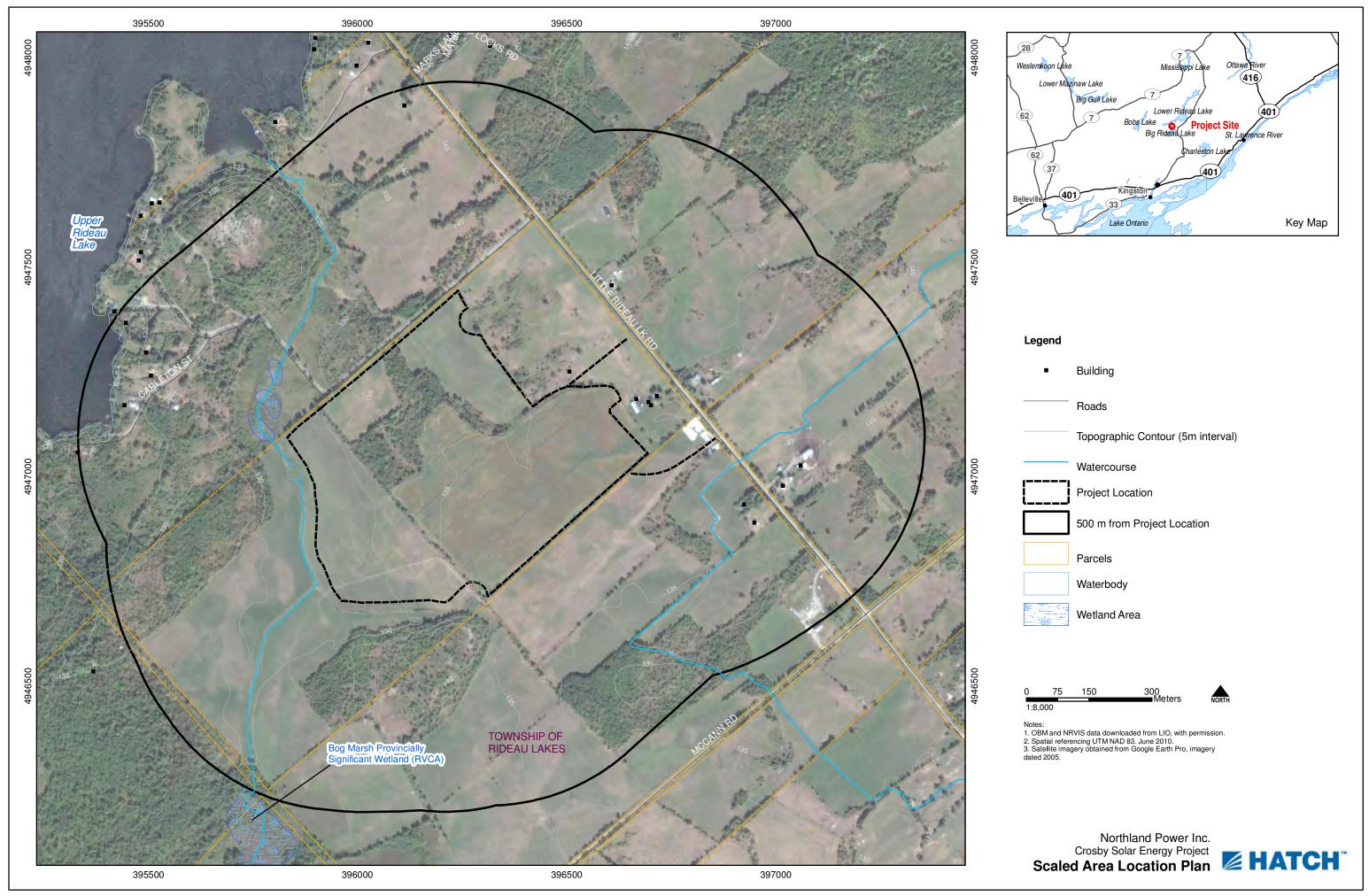
Upon receipt of this call, Northland will dispatch a representative to re-sample the well in accordance with the methodologies outlined in Section 2. The sample will be submitted to the laboratory as "high priority". Northland will also notify the Ministry of the Environment of the call and the results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







#### 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).

1

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

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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,

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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

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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 7<sup>th</sup>, but will be available the week of the 14<sup>th</sup>. 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
KOG 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 availability 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
KOG 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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# Natural. Valued. Protected.

# 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.				
<u>Attachments</u>				
I have attached a Picture				
<u>Request</u>				
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.



# 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 <a href="Membetville.Inforequest@ontario.ca">Kemptville.Inforequest@ontario.ca</a>. 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 <u>www.geobase.ca/</u>

# 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: <a href="https://www.mnr.gov.on.ca/en/Business/FW/2ColumnSubPage/STEL02\_174000.html">www.mnr.gov.on.ca/en/Business/FW/2ColumnSubPage/STEL02\_174000.html</a> 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:
  - o waterbody type and fish species present
  - o 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: <a href="https://www.ontario.ca/speciesatrisk">www.ontario.ca/speciesatrisk</a>

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: <a href="http://nhic.mnr.gov.on.ca/nhic\_.cfm">http://nhic.mnr.gov.on.ca/nhic\_.cfm</a>.

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 <a href="http://nhic.mnr.gov.on.ca/nhic.cfm">http://nhic.mnr.gov.on.ca/nhic.cfm</a>.

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: <a href="https://www.mnr.gov.on.ca/en/Business/Species/2ColumnSubPage/STEL01\_131232.html">www.mnr.gov.on.ca/en/Business/Species/2ColumnSubPage/STEL01\_131232.html</a>

### 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 <a href="http://nhic.mnr.gov.on.ca/nhic\_.cfm">http://nhic.mnr.gov.on.ca/nhic\_.cfm</a>
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: <a href="http://crownlanduseatlas.mnr.gov.on.ca/clupa.html">http://crownlanduseatlas.mnr.gov.on.ca/clupa.html</a>

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 <a href="https://www.ontarioparks.com">www.ontarioparks.com</a>.

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: <a href="https://www.mnr.gov.on.ca/en/Business/FW/Publication/MNR\_E001285P.html">www.mnr.gov.on.ca/en/Business/FW/Publication/MNR\_E001285P.html</a>.

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 <a href="http://nhic.mnr.gov.on.ca/nhic.cfm">http://nhic.mnr.gov.on.ca/nhic.cfm</a> 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 <a href="http://nhic.mnr.gov.on.ca/nhic\_.cfm">http://nhic.mnr.gov.on.ca/nhic\_.cfm</a> 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 General location and text descriptions: Scientific Interest (ANSI): <a href="http://nhic.mnr.gov.on.ca/nhic">http://nhic.mnr.gov.on.ca/nhic</a> .cfm

Earth Science and Life Approved boundary maps and check-sheets Science Kemptville MNR (see form on page 13)

Conservation Reserves <a href="http://crownlanduseatlas.mnr.gov.on.ca/clupa.html">http://crownlanduseatlas.mnr.gov.on.ca/clupa.html</a>

Deer Winter Habitat Known wintering areas

Kemptville MNR (see form on page 13)
Information may be available at the

**Environmentally Sensitive** Information may be available at the *Municipal Planning Authority* **Fisheries data**: Resource information available at:

(refer to page 5 for details) 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) Kemptville MNR (see form on page 13)

Nesting Sites Kemptville MNR (see for www.ontarioparks.com

Significant Valleylands
Significant Wildlife Habitat

Municipal Planning Authority

Municipal Planning Authority

Significant Woodlands Municipal Planning Authority
Species At Risk (Extirpated, Species information and occurrence data

Wetlands

endangered, threatened or of special concern) <a href="http://nhic.mnr.gov.on.ca/nhic\_.cfm">http://nhic.mnr.gov.on.ca/nhic\_.cfm</a> 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)
General location and text descriptions:
<a href="http://nhic.mnr.gov.on.ca/nhic.cfm">http://nhic.mnr.gov.on.ca/nhic.cfm</a>

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 <a href="https://www.cataraquiregion.on.ca">www.cataraquiregion.on.ca</a>	1-877-956-CRCA (2722)
Mississippi Valley Conservation Authority www.mvc.on.ca	(613) 259-2421
Rideau Valley Conservation Authority <u>www.rvca.ca</u>	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/v	(613) 580-2400 vater_quality_en.html
MNR Lake Ontario Management Unit www.glfc.org/lakecom/loc/mgmt_unit/homepag	(613) 476-3255 <u>e2006.htm</u>
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 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



### 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.

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 <a href="Deborah-Nizman@ontario.ca">Deborah-Nizman@ontario.ca</a>.

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.

Laura Mel.

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]

### **Plantings**

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 3<sup>rd</sup> 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 15<sup>th</sup> and May 10<sup>th</sup> 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



# ESA 17 2(c) Permit: Proponent Submission Information

Licence/Permit # (if ap	oplicable)	Date Submitted:	
Proponent name and	contact info:		
Name:			
Position:			
Current Address: (as ap	pears on permit/licence)		
Tel: F Email:	ax:		
Landowner name and	contact info: (if Lice	nsee/permittee is not the landowner)	
Name: Position:			
Current Address: (as ap	pears on permit/licence)		
Tel: F Email:	ax:		
Location of the Project	t:		
Lot(s): Concession(s): Geographic Township(s Municipality: County:	s):		
Species at risk involv	ed in the project:		
Name:		Status: (e.g. Threatened on SARO list)	

SARB FINAL Page 2 of 3 2009-07-09

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

Part A – <u>Steps to Minimize Adverse Effects</u>: 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  $B-\underline{Monitoring}$  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: 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.

<u>Species at Risk Concerns</u> (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



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

From: Zurbrigg, Heather (MNR) [Heather.Zurbrigg@ontario.ca]

Sent: Thursday, November 25, 2010 11:12 AM

To: Male, Sean

Cc: Verhoek, Emily (MNR); Cameron, Amy (MNR); Fraser, Jim (MNR)

**Subject:** Crosby - a few further comments

Follow Up Flag: Follow up Flag Status: Completed

#### Hi Sean,

As promised, here are our (hopefully final) comments for Northland's Crosby solar project NHA:

All things in the other comments we provided to you on Oct. 21<sup>st</sup> 2010 have been addressed well and incorporated into the Nov. 2 2010 version of the reports. Thank you!

A couple of additional comments for the **NHA report**:

#### **Site Investigation:**

-could you please change natural heritage features on mapping to read 'candidate'. (map)

-waterfowl nesting: (pg. 20) if you could just remove the last part starting at 'further' ... unless you wish to bring it into the EOS and explain that there. It appears to say that there is the potential for nesting within 120m, so if that is true, it would need to be brought forward into the EOS. If this is not the case, just remove the last two sentences.

-pg 20 – raptor winter feeding and roosting areas... re: wording around the roosting sites not being present within 120m. it needs to state also that they are not present ON the site also, if this is the case.

-pg 23 – turtle nesting. If an occurrence is outside of the 120m it need not be included. If it is a concern within 120m please include it in your report.

#### **Evaluation of significance:**

-please change the date of beginning and completion of evaluation to reflect the final amendments to the EOS, which will be when the Site inv. is changed for the final time, even if there are no significant changes that need to be carried forward to the EOS.

-looks good.

# **Environmental Impact study:**

- -1.2 pg. 9 and 10, please change the reference to 'one' natural heritage feature, to '4'... and any other references to NH features in the singular to reflect the fact that there are a few.
- -in decommissioning phase 4.1.3 pg 16, please include 'direct encroachment on the NH Features' as you did in the construction Phase
- -section 4.2 <u>Wildlife communities</u>: suggest rewording to say: "some project activities (eg: tree clearing and solar panel installation) will occur within the significant wildlife habitat, or within 120, and could cause direct impacts to the wildlife present within this feature."
- -4.2.2 pg 17 Operations phase: third paragraph about the annual mowing in the vegetation management zone. We'd prefer to see this timing as late fall. (change in the mitigation table 5.1 as well)
- -in table 5.1: disruption of wildlife within watercourse...etc. : would a 60m setback (mitigation and no change for the contingency) be possible to include for these features?

<u>OWES wetland evaluation:</u> considerations according to our phone conversation with Shaun Thompson – Ecologist with KV MNR. Conclusion is ok. Some process issues to take into consideration

#### Maps:

- -Make sure on the maps that the project location (ie: where there will be any activities taking place) is clearly delineated. A little confusing to decipher between the red outlined "project site" and the black hatched line "project location"
- -the project layout map would be more intuitive if you are able to overlay it on a map that is similar to the ones that were being used for the SI, EOS and EIS

#### SAR:

Please contact Emily Verhoek (SAR bio in Kemptville) to discuss any concerns around Species at Risk. We mentioned in our previous letter of October 21<sup>st</sup>, 2010, the concerns that we have for this area, namely gray ratsnake and possibly ginseng. On pg. 26 of the site investigation there is mention of gray ratsnake. Please verify with Emily that this statement is correct. Also that she is comfortable with the fact that ginseng wasn't found in the woodland on site. SAR concerns need to be identified and authorizations considered before any activities can occur on this property (including but not limited to removal of the woodland on this property), to ensure that there will not be a contravention under the Endangered Species Act, 2007.

Thanks!

#### Heather

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

 $\mathbf{g}\mathbf{X}$  Please consider the environment before printing this e-mail.

From: Male, Sean

Sent: Wednesday, December 01, 2010 12:05 PM

To: 'Zurbrigg, Heather (MNR)'

Cc: Arnold, Kimberley; 'Tom Hockin'; 334844; 'Cameron, Amy (MNR)'

Subject: Updated REA Documents for Crosby

Hi Heather,

I have uploaded updated text for the REA documents for Northland's Crosby solar project.

Login information is provided below. Please advise if you have any issues accessing these documents.

FTP site: <a href="ftp.hatch.ca">ftp.hatch.ca</a>
Login: 334844

Password: Crew87PoW!

If you have any comments or questions regarding these reports, please let me know.

Thank you,

Sean

#### Sean K. Male, M.Sc.

Terrestrial Ecologist/Environmental Assessment & Management



**Tel: +1 905 374 0701 ext. 5280** Fax: +1 905 374 1157

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

From: Cameron, Amy (MNR) [Amy.Cameron@ontario.ca]

Sent: Monday, December 20, 2010 2:31 PM

To: Male, Sean

**Cc:** Zurbrigg, Heather (MNR); Fraser, Jim (MNR)

**Subject:** Northland Power - Crosby

Sean,

I have gone through Northland Power's Crosby NHA reports to confirm changes were made according to Heather's most recent comments and to finalize the review.

We will prepare the NHA letter in anticipation of the following changes:

#### **Records Review**

Include information about proximity to conservation reserves/provincial parks

#### Site Investigation

- P. 4 table 2.1 Is the project within 120m of a natural features that is not an ANSI (earth science) you've indicated that it is within 120m of unevaluated wetlands and woodlands. Please include that it is also within 120m of candidate wildlife habitat
- P.19 Waterfowl stopover and staging areas include information that waterfowl will also use groups of small wetlands in close proximity
- P. 21 Bat hibernacula include information about karst topography as a consideration for this type of feature and indicate if the site is within a karst area

#### **Evaluation of Significance**

- P.11 s. 3.2.2.1 Habitat of Northern Harrier, an Area-Sensitive species please define what you consider the planning area to be (geographic township, municipality,etc.)
- P. 15 Woodlands indicate who completed the evaluation of significance for the woodlands
- P. 16 Wetlands indicate that NRSI completed the evaluation of significance for the wetlands and the date of the beginning and conclusion of the evaluation
- Table 6.1. Woodlands –indicate in notes the woodland in *northwest* corner of project area is considered significant
- Table 6.1 Wildlife Habitat remove the word "potential" since you've deemed it significant at this stage. Also include that the watercourse is considered significant as an animal movement corridor.

### **Environmental Impact Study**

Deemed complete

If you have any questions let me know.

Thanks,

Amy Cameron Planning Ecologist MNR Pembroke District 613-732-5506 Ministry of Natural Resources Ministère des Richesses naturelles



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

December 20, 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 the Crosby Solar Project in the township of Rideau Lakes in the United Counties of Leeds and Grenville submitted by Northland Power Solar Crosby 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,

Ken Durst

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**

From: Male, Sean

Sent: Wednesday, June 30, 2010 5:07 PM 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

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.

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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.

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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

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

\*\*\*\*\*\*\*\*

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Sheldon Laidman [slaidman@twprideaulakes.on.ca] From:

Monday, January 10, 2011 2:41 PM Male, Sean Sent:

To:

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 <b>Minor Variance</b> For a <b>Reapplication of a Minor Variance</b> to correct a technical issue with the approval within 1 year of the previous approval		555.00 280.00
2.	For the approval of plans or drawings of buildings, structures, facilities or sought to be undertaken in a <b>Site Plan Control Area</b> :		
ii) Res ii) Res iii) Res iv) Con v) Con	sidential (deck only with no site inspection required) sidential less than 500 sq. ft. sidential greater than 500 sq. ft. and less than 2,000 sq. ft. sidential greater than 2,000 sq. ft. mmercial less than 5,000 sq. ft. mmercial greater than 5,000 sq. ft. and less than 20,000 sq. ft mmercial greater than 20,000 sq. ft.		125.00 365.00 555.00 745.00 555.00 990.00 2,680.00
3.	For a combined Minor Variance and Site Plan approval	\$	830.00
4.	For a municipal <b>review of Land Severance</b> (including provision of require information to applicant, site inspection, review of application of Planning Committee and response to Land Division Committee)	A	dvisory 310.00
5.	For the approval of a <b>Plan of Subdivision</b> (but not including the cost of se by independent consultants or services by others)		ces 2,500.00
6.	For approval, or exemption from approval, of a <b>Condominium Description</b>		2,500.00
7.	For Amendment of an <b>Official Plan</b> (but not including the cost of services independent consultants or services by others)	-	,500.00
8.	For Amendment of a <b>Zoning By-law</b> (but not including the cost of service independent consultants or services by others)		990.00
9.	For Amendment of a <b>Zoning Bylaw</b> for the establishment of a Garden Suite as defined under the Planning Act	\$	280.00
10.	For <b>Amendment of a Zoning Bylaw</b> that stems from a condition of several and where no notification in the local newspaper is deemed to be necessary Planning Advisory Committee		
11.	For combined Amendment of an <b>Official Plan</b> and <b>Zoning By-law</b> (but no including the cost of services by independent consultants or services by other consultants or services by other consultants.)		rs)

		\$2,200.00
12.	For the Removal of a <b>Holding Designation</b> from a Zoning By-law	\$ 42.00
13.	For a <b>Zoning Certificate</b>	\$ 74.00
14.	For Amendment of a Site Plan	\$ 125.00
15.	For a Land Development Agreement	\$ 310.00
16.	For an <b>Agreement to Amend a Subdivision Agreement</b> (but not including the cost of services by independent consultants or services by others)	ng <b>\$ 1,240.00</b>
17.	For written confirmation of status of any <b>Planning or Zoning-related Agreement</b>	\$ 74.00
18.	For written confirmation of Official Plan Designation	\$ 74.00
19.	For <b>Septic Inspection Fee</b> – required for Minor Variance Applications, Z Amendment Applications, Official Plan Application, Severance Applications	_
	any other planning applications	\$ 310.00
20.	For a <b>Mining Operation</b> (but not including the cost of services by independent on services by others)	\$ 310.00
<ul><li>20.</li><li>21.</li></ul>	For a <b>Mining Operation</b> (but not including the cost of services by independent of the cost of services are considered in the cost of services by independent of the cost of services are considered in the cost of s	\$ 310.00 endent \$12,350.00 \$ 42.00

# 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 \$12.35 / \$1,000.00 building value.

CONDITIONING SYSTEMS (HVAC) 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 \$1000 (but no

**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 va Pool and fence – Min		
STORAGE SHED	\$25/sq. ft.		
RENOVATIONS	Contract Price or \$12	2.35/\$1,000 value of cons	struction
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.



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

Ce formulaire est disponible en français

Ministry of the Environment

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

#### **Section 1 - Project Description**

1.1 - Renewable End	ergy Project						
Project Name (Project	ct identifier to be used as	s a reference in c	orres	spondence)			
Northland Power	r Solar Crosby						
Project Location							
Same as Applicant Phys	sical Address?	s X No (If n	o, ple	ase provide site address info	rmation belov	-	
Civic Address- Street in	formation (includes street r	number, name, type	and	direction)		Unit Identifie	r (i.e. apartment number)
249 Little Rideau L							
Survey Address (Not re-	quired if Street Information	is provided)					
and consists of a lot nur number.			cate	location within unorganized to g the location within that plan		y of the plan.	
Lot	Conc.			Part		Refer	ence Plan
· ·	•	nation to clarify phy	sical	location)(e.g. municipality, w	ard/ township	))	
Township of Rideau	Lakes						
Geo Reference (e.g. s	southwest corner of proper	ty)					
Map Datum	Zone	Accuracy Estimate	9	Geo Referencing Method	UTM Eastir	ng	UTM Northing
					•		
	ine construction, operati						
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.							
	nce/prevention/mitigation		neas	ures.			

- 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

- A spill clean-up procedure/emergency response plan will be developed for the site by the construction contractor

- No solar panels to be placed within at least 30 m of the high water mark of a watercourse

- Appropriate air quality control measures could be used during construction, if required.

1.3 - Re	1.3 - Renewable Energy Generation Facility						
Type of F	Type of Facility / Operation (select all that apply & complete all appropriate sections)						
	Wind Facility (Land Based	)		Biofuel Facility			
	Wind Facility (Off-Shore)		$\overline{X}$ ]	Solar Photo Voltaic Facility			
	Biogas Facility (Anaerobic	Digesters)		Other Describe :			
	Biomass Facility (Thermal Treatment)			Class (if applicable):			
Name Pla	ate Capacity	Expected Generation		Service Area	Total Area of Site (hectares)		
10 MV	V	14,200,000 kWh in first year	•	Crosby Transfer Station Desn 2	55		
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/crosby) 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	Northland Power Solar Crosby L.P 191194927							
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 info	ormation (includes street number	r, name, type ar	nd direction)		1	Identifier (i.e. apartment number)		
c/o Northland Power In	c. 30 St. Clair Ave. West				17	th Floor		
Survey Address (Not req	uired if Street Information is prov	vided)						
and consists of a lot num	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 (inc	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			
	ity (include each upper tier r			☐ Yes				
Name of Municipality	Address	Phone	Clerk's name	Clerk's Phone/Fax	E-Mail Address			
Widilicipality								
	lude each local roads area ir	1	,	☐ Yes				
Name of local	Address	Phone	Secretary-treasurer's	Secretary-treasurer's	E-Mail Address			
roads board			Name	Phone/Fax				
Board Area (include ea	ach board area in which proj	ject location is situated)	,	☐ Yes	□ No			
Name of Local	Address	Phone	Secretary's name	Secretary's	E-Mail Address			
Service Board				Phone/Fax				
		1		<u> </u>				
	S	Section 5: Consulta	ation Requirement					
5.1 - Project Location	n							
Provide comment on	the project location with r	respect to infrastructur	e and servicing.					
5.2 - Project Roads								
	the proposed project's pl	ans respecting propos	sed road access.					
1101100	mo proposed project p	dilo : 00p 00	04 1044 400222					
Identify any issues ar	nd provide recommendati	ione with respect to ros						
identity arry issues at	ia provide recommendati	ons with respect to roc	<u>ia access</u>					
Danida a anna antara								
Provide comment on	any proposed Traffic Mar	nagement Plans						
Identify any issues ar	nd provide recommendati	ons with respect to the	e proposed Traffic Manage	ement Plans				
, ,		<u> </u>						

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
identity any issues and recommendations with respect to any casements of Restrictive Covenants associated with the Project cocation
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.
or room darrowly initiative and so darroged darring continuous.
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 inques and recommendations with respect to the proposed leastion of buried kineke and above grade utility youlto
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.

From: Sheldon Laidman [slaidman@twprideaulakes.on.ca]

**Sent:** Tuesday, March 15, 2011 3:53 PM

To: Male, Sean

**Subject:** Crosby Municipal Consultation Form **Attachments:** Crosby Northland MCForm.pdf

Sean:

Please find attached the Municipal Consultation Form for the Crosby Solar Project with Northlands. It took a little while longer since I had to convert to Word first to type the responses. I will have the Rideau Lakes' project comments tomorrow for you. Let me know if you need anything else or if anything needs to be clarified.

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



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

Ce formulaire est disponible en français

Ministry of the Environment

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

Section 1 - Project Description

1.1 - Renewable Energy Project							
	ct identifier to be used as	s a reference in cor	respondence)				
Northland Powe	Northland Power Solar Crosby						
Γ=							
Project Location							
Same as Applicant Phy		121	please provide site address info	ormation belov			
	nformation (includes street r	number, name, type a	nd direction)		Unit Identifie	er (i.e. apartment number)	
249 Little Rideau L							
•	equired if Street Information						
Lot and Conc.: used to indicate location and consists of a lot number.	n within a subdivided towns mber and a concession		erence: ate location within unorganized t ating the location within that plan			art and a reference plan	
Lot	Conc.		Part		Refer	ence Plan	
Location Information (in Township of Rideau	•	mation to clarify physi	ical location)(e.g. municipality, w	vard/ township	))		
	southwest corner of proper	1				1	
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Eastir	ng	UTM Northing	
Drainet Dhaoing (out	" construction oneret	u and docommics	in the particular of				
Construction - C support structur constructed. Ad Operation - Ope	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.						
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Propose early avoida	ance/prevention/mitigation	on concepts and me	easures.				
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	t apply & complete all appropriate sections)	)					
Wind Facility (Land Based)			Biofuel Facility				
Wind Facility (Off-Shore)	<u> </u>	<u>X</u>	Solar Photo Voltaic Facility				
Biogas Facility (Anaerobic	Digesters)		Other Describe :				
Biomass Facility (Thermal	Treatment)	$\Box   $	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	55			
Provide a description of the facilitie source to electricity.	s equipment or technology that wi	ill b	e used to convert the renewable o	nergy source or any other energy			
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.							
<u> </u>							
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Northland Power Solar Crosby L.P 191194927								
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 info	rmation (includes street number	r, name, type ar	nd direction)		1	Identifier (i.e. apartment number)		
c/o Northland Power In	c. 30 St. Clair Ave. West				17	'th Floor		
Survey Address (Not requ	uired if Street Information is prov	∕ided)						
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 lot number and a concession number.								
Lot	Conc.		Part			Reference Plan		
Municipality	County/District		Province/State	Country		Postal Code		
T .								
Toronto			Ontario	Canada		M4V 3A1		

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

Section 4 - Municip Local Municipality (in	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 800 928	-2250		l Address a@twprideaula a
Upper Tier Municipa	lity (include each ι	ipper tier municipal	ity 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 (inc	clude each local roa	ads area in which p	roject location is sit	ruated)	Yes	·	No
Name of local roads board	Address	Phone	Secretary- treasurer's Name	Secretary-treasurer's Phone	e/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.

This project is located on a sub standard gravel road which will have difficulty withstanding a large construction project. Please refer to attached resolution regarding the expected upgrades, maintenance requirements, and financial securities related to Little Rideau Lake Road and the Township's nearby road network.

#### 5.2 - Project Roads

Provide comment on the proposed project's plans respecting proposed road access.

The basic plan would seem to be fine although the Township expects to see a detailed road access drawing as part of a revised Site Plan and Entrance Permit application to ensure that it is designed appropriately.

Identify any issues and provide recommendations with respect to road access See above

Provide comment on any proposed Traffic Management Plans

Per the attached Resolution, the Township expects that all construction traffic will only use Little Rideau Lake Road to access the site directly from County Road 42. No construction traffic shall be permitted to use McCann Road. It is expected that this will be instituted through a Road Entrance Agreement and permit.

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 No Landscaping Plan has been submitted to the Township for review to date. As per the attached Resolution, the Township expects to have an opportunity to review a detailed Landscaping Plan with specific items as identified in the attached Resolution

Provide comment on the proposed project plans for emergency management procedures / safety protocols. As per the attached Resolution, the Township expects that all internal roads will be designed to allow emergency vehicle access and the Township expects to be able to review a detailed Site Plan to ensure that this condition is met.

Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.

See above

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.

See attached Resolution with regard to the adjacent road network and temporary parking areas.

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

The Township expects that the main 44kv line extending from the road to the project will be buried to lessen the impact on views of adjacent properties. See attached Resolution. Furthermore the Township expects that any kiosks or substation buildings and associated parking lots will be buffered from view by 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 Crosby (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 Little Rideau Lake Road, 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. In this case in particular the panels will be located in extremely close proximity to the northern lot line which is unsufficient and inappropriate due to the high number of properties using the road that is immediately adjacent to these future panels.
- 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 and that the number of drills in operation at any one time will be limited to a maximum of two to ensure noise is less disruptive to neighbours.
- 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 any substation required shall be setback a suitable distance from Little Rideau Lake Road and buffered from view of the adjacent road and neighbouring lots.
- 10. 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.

From: Sheldon Laidman [slaidman@twprideaulakes.on.ca]

**Sent:** Wednesday, March 16, 2011 10:11 AM

To: Male, Sean Cc: 'Tom Hockin'

Subject: Crosby and Rideau Lakes Municipal Consultation Forms

Attachments: Crosby Northland MCForm.pdf; Rideau Lakes Northland MC Form.pdf

#### Sean:

Please find attached the Municipal Consultation Forms for both Solar projects. Please note that the Crsoby one I sent yesterday was missing the last few items due to a pasting error so please use this one attached.

Let me know if you need anything else.

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



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

Ce formulaire est disponible en français

Ministry of the Environment

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

Section 1 - Project Description

1.1 - Renewable En	ergy Project								
	ct identifier to be used as	s a reference in c	orres	spondence)					
Northland Powe	r Solar Crosby								
Γ= , ,, ,,									
Project Location									
Same as Applicant Phy		121		ease provide site address info	rmation belo				
	nformation (includes street r	number, name, type	and	direction)		Unit Identifie	er (i.e. apartment number)		
249 Little Rideau L									
,	equired if Street Information								
	n within a subdivided towns mber and a concession		licate	nce: location within unorganized to ng the location within that plan			art and a reference plan		
Lot	Conc.			Part		Refere	ence Plan		
Location Information (in Township of Rideau	•	mation to clarify phy	ysical	l location)(e.g. municipality, w	ard/ township	p)			
	southwest corner of proper	1			1		T		
Map Datum	Zone	Accuracy Estimat	te	Geo Referencing Method	UTM Eastir	ng	UTM Northing		
Drainet Dhooing (out	" construction oneret		· solo						
Construction - C support structur constructed. Ad Operation - Ope	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 decommissioning action Environmental efficience in ambior-degradation of sequence in availulation and properties of the descrease in availulation and properties of the descrease in availulation and properties of the description and description	ve environmental effects  tivities ) fects that may occur from ent sound level oil quality and quantity lability and quantity of bo	n this project inclu oth surface water a s, woodlands and a	ide, b			,	ration and		
Propose early avoida	ance/prevention/mitigatio	on concepts and r	meas	sures.					
- Erosion and se - No solar pane - A spill clean-u	dimentation controls will Is to be placed within at I p procedure/emergency r	I be used to limit t least 30 m of the h response plan will	the ir high v I be c	on receptors; noise barriers on manact on soil and the reduct water mark of a watercours developed for the site by the gonstruction, if required.	ction in wate e	er quality			

1.3 - Renewable Energy Generat	ion Facility				
Type of Facility / Operation (select all that	t apply & complete all appropriate sections)	)			
Wind Facility (Land Based)	Wind Facility (Land Based)		Biofuel Facility		
Wind Facility (Off-Shore)	<u> </u>	<u>X</u>	Solar Photo Voltaic Facility		
Biogas Facility (Anaerobic	Digesters)	$\Box$	Other Describe :		
Biomass Facility (Thermal	Treatment)	$\Box   $	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	55	
Provide a description of the facilitie source to electricity.	s equipment or technology that wi	ill b	e used to convert the renewable o	nergy source or any other energy	
Solar photovoltaic panels will the specific models are to be c		sola	r energy into electricity. The panels	will be a crystalline technology but	
1.4 - Renewable Energy Generat	ion 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/crosby) 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 Infor	mation (Owner of project/fa	cility)						
Applicant Name (legal name of individual or organization as evidenced by legal documents)  Business Identification Number								
Northland Power Solar Crosby L.P 191194927								
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 info	rmation (includes street number	r, name, type ar	nd direction)		1	Identifier (i.e. apartment number)		
c/o Northland Power In	c. 30 St. Clair Ave. West				17	'th Floor		
Survey Address (Not requ	uired if Street Information is prov	∕ided)						
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 lot number and a concession number.								
Lot	Conc.		Part			Reference Plan		
Municipality	County/District		Province/State	Country		Postal Code		
T .								
Toronto			Ontario	Canada		M4V 3A1		

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

Section 4 - Municipality (in	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 800 928	3-2250		l Address a@twprideaula a
Upper Tier Municipa	lity (include each ι	ıpper tier municipal	ity 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 (ind	clude each local roa	ads area in which p	roject location is sit	uated)	Yes		No
Name of local roads board	Address	Phone	Secretary- treasurer's Name	Secretary-treasurer's Phone	e/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.

This project is located on a sub standard gravel road which will have difficulty withstanding a large construction project. Please refer to attached resolution regarding the expected upgrades, maintenance requirements, and financial securities related to Little Rideau Lake Road and the Township's nearby road network.

#### 5.2 - Project Roads

Provide comment on the proposed project's plans respecting proposed road access.

The basic plan would seem to be fine although the Township expects to see a detailed road access drawing as part of a revised Site Plan and Entrance Permit application to ensure that it is designed appropriately.

Identify any issues and provide recommendations with respect to road access See above

Provide comment on any proposed Traffic Management Plans

Per the attached Resolution, the Township expects that all construction traffic will only use Little Rideau Lake Road to access the site directly from County Road 42. No construction traffic shall be permitted to use McCann Road. It is expected that this will be instituted through a Road Entrance Agreement and permit.

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 No Landscaping Plan has been submitted to the Township for review to date. As per the attached Resolution, the Township expects to have an opportunity to review a detailed Landscaping Plan with specific items as identified in the attached Resolution

Provide comment on the proposed project plans for emergency management procedures / safety protocols. As per the attached Resolution, the Township expects that all internal roads will be designed to allow emergency vehicle access and the Township expects to be able to review a detailed Site Plan to ensure that this condition is met.

Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.

See above

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.

See attached Resolution with regard to the adjacent road network and temporary parking areas.

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

The Township expects that the main 44kv line extending from the road to the project will be buried to lessen the impact on views of adjacent properties. See attached Resolution. Furthermore the Township expects that any kiosks or substation buildings and associated parking lots will be buffered from view by appropriate landscaping.

Identify any issues and recommendations with respect to the proposed location of existing and proposed gas and electricity lines and connections

See recommended condition in Resolution regarding burial of the new hydro line to connect to the grid.

Provide comment on the proposed project plans with respect to Building Code permits and licenses.

The Township will require building permits as required under the OBC and a road entrance permit for access to this facility.

Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.

The Township expects that all streams will have a 30m setback where no development is permitted.

Identify any issues and recommendations related to the identification any archaeological resource or heritage resource.

n/a

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 Crosby (Northland) Solar Energy project be submitted to the Province with the following expectations and comments:

- 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 Little Rideau Lake Road, 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. In this case in particular the panels will be located in extremely close proximity to the northern lot line which is unsufficient and inappropriate due to the high number of properties using the road that is immediately adjacent to these future panels.
- 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 and that the number of drills in operation at any one time will be limited to a maximum of two to ensure noise is less disruptive to neighbours.
- 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 any substation required shall be setback a suitable distance from Little Rideau Lake Road and buffered from view of the adjacent road and neighbouring lots.
- 10. 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.

#### 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: leslev.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

#### 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



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



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

Ce formulaire est disponible en français

Ministry of the Environment

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

Section 1 - Project Description

. Sjoot Harrio (1 10	ject identifier to be use	d as a re	ference in corre	spondence)			
Northland Pov	ver Solar Crosby						
- 1 - 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1							
Project Location		5.5	-1000	N A C 12 32 12 27 14 27	CARACTAR SAME		
Same as Applicant P				ease provide site address info	ACTION TO THE TOTAL OF THE		
	t information (includes stre	eet numbe	er, name, type and	direction)	Unit I	dentifier (i.e. apartment number	
249 Little Rideau	ı Lakes Road						
Survey Address (Not	required if Street Informa	tion is pro	vided)				
	tion within a subdivided to number and a concessior					s of a part and a reference plan plan.	
Lot	Conc.			Part		Reference Plan	
			A		10		
ocation Information	(includes any additional i	nformatio	to clarify physica	I location)(e.g. municipality, wa	ard/townshin)		
Township of Ride		mormation	rto clamy physica	riodation/(e.g. mamoipainy, me	ard torritoring)		
	g. southwest corner of pro			1		Transaction and	
lap Datum	Zone	Acc	uracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing	
Project Phasing (c	utline construction, ope	eration a	nd decommissio	ning activities)			
support struct constructed. A Operation - C	tures, including concret Additionally, if required Operation and maintena	e founda l, erosion nce of so	ions. Also under and sedimentation lar panels and as		ribution line for th ncing around the F	e produced power will be troject site could also occur.	
.2 - Environmen	tal Context						
	activities )	from this		engaging in the project (co	nsider constructio	n, operation and	
decommissioning Environmental -increase in am -degradation of -decrease in av -disruptions an	nbient sound level f soil quality and quanti railability and quantity o	ty of both su ands, woo	odlands and aqua	groundwater atic habitat located on or ne	ar the Project site		
decommissioning Environmental -increase in am -degradation of -decrease in av -disruptions an -reductions in	nbient sound level f soil quality and quanti railability and quantity of d potential loss of wetla	ty of both su ands, woo construct	odlands and aqua ion.	atic habitat located on or ne	ar the Project site		

Wind Facility (Land	Wind Facility (Land Based)		Biofuel Facility	
Wind Facility (Off-Sh	nore)	<u>X</u>	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 ye	ar	Crosby Transfer Station Desn 2	55
Annual de la laboration de Alexa I	acilities equipment or technology that	at will b	be used to convert the renewable	energy source or any other energy

#### 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  To be determined  To be determined		
DRAFT Construction Plan Report				
DRAFT Decommissioning Plan Report				
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/crosby) 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 Inform	nation (Owner of project/fac	cility)		pulsatel, a literatura paramanan barata
Applicant Name (legal name of individual or organization as evidenced by legal documents)				Business Identification Number
Northland Power Solar Crosby L.P				191194927
Business Name (the name	under which the entity is opera	ating or trading - also referred to as tra	nde name) X	same as Applicant Name
c/o Northland Power Inc.	mation (includes street number 30 St. Clair Ave. West red if Street Information is prov			Unit Identifier (i.e. apartment number) 17th Floor
	ithin a subdivided township er and a concession number.			or unsurveyed territory, and consists of a vithin 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 (in Name of Municipality	clude each local municipality Address	in which project location Phone	on is situated) Clerk's Name	Clerk's Phone/Fax	No E-Mail Address
Name of Municipality LINITED COUNTIES OF LEEDS & GRENVILLE	BECKURLE KEVANG	Phone 6133423840	Clerk's name Lesley Todd	☐ Yes Clerk's Phone/Fax PL-6133423840 F.6133422101	E-Mail Address lesley to dd a uclom.ca
Local roads area (inc Name of local roads board	lude each local roads area ir Address	which project location Phone	is situated) Secretary-treasurer's Name	Secretary-treasurer's Phone/Fax	No E-Mail Address
Board Area (include e Name of Local Service Board	L ach board area in which proj Address	act location is situated) Phone	Secretary's name	Secretary's Phone/Fax	No E-Mail Address
	s	ection 5: Consul	tation Requirement		
5.1 - Project Location	on the project location with r				
5.2 - Project Roads Provide comment on	the proposed project's pla	ans respecting propo	sed road access.	can lands a	2.45
WHILL CO	MINECTI TO	County Ro	AO 42. No	COUNTY CON	CEENS
Identify any issues ar	nd provide recommendation	ons with respect to ro	ad access		
Provide comment on	any proposed Traffic Mar	agement Plans			T)
Identify any issues ar	nd provide recommendation	ons with respect to th	e proposed Traffic Manag	ement 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.
The second of the proposed project plants of the gold of the procedure of the project plants of the gold of the go
Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.
deciting any issues and recommendations with respect to the proposed emergency management procedures / salety protocols.
Identify any issues and recommendations with respect to any Economics or Postrictive Covenants associated with the Project Location
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.
or local authority initiastructure that could be damaged during constitution.
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

#### 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

July 9, 2010

#### 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

MOE File #: ER-10-SF-0041

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

Dear Mr. Lord:

#### RE: Director's Aboriginal Communities List - Crosby Solar Project

The Ontario Ministry of Environment has reviewed the information provided in the draft of the Project Description Report (PDR) received for the Crosby 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 commutities 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,

Director

Environmental Assessment Approvals Branch

Ministry of Environment

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



# **Appendix I Letters to Aboriginal Communities**





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.

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

Dear Chief James Marsden and Council:

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

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Yours truly,

Sean Male M.Sc, REA Co-ordinator

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

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Sean Male M.Sc, REA Co-ordinator

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

Dear Chief Keith Knott and Council:

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

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Yours truly,

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Kawartha Nishnawbe First Nation Chief and Council PO Box 1432 Lakefield, ON KOL 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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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

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

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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 <a href="www.northlandpower.ca/rideaulakes">www.northlandpower.ca/rideaulakes</a> and <a href="www.northlandpower.ca/crosby">www.northlandpower.ca/crosby</a> 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:

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

Dear Chief James Marsden and Council:

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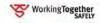
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Hiawatha First Nation Chief Laurie Carr and Council Mississauga's of Rice Lake Hiawatha First Nation 36 123 Paudash Street Hiawatha, Ontario KOL 2G0

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

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Also, additional copies are available on-line at <a href="www.northlandpower.ca/rideaulakes">www.northlandpower.ca/rideaulakes</a> and <a href="www.northlandpower.ca/crosby">www.northlandpower.ca/crosby</a> 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







Kawartha Nishnawbe First Nation Chief and Council PO Box 1432 Lakefield, ON KOL 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

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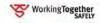
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Robert Pellerin, President Ottawa Regional Métis Council 1938 Ranchwood Way Ottawa, ON K1C 7K7

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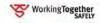
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Metis Nation of Ontario, Consultation Unit 500 Old St. Patrick Street, Unit D Ottawa, ON K1N 9G4

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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







H334844

July 20, 2010

Chief and Council
«Company»
«Address»
«City and Province» «Postal Code»

Dear Chief and Council:

#### Subject: Notice of Proposal and Notice of Public Meeting - Northland Power - Crosby Solar Project

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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: www.northlandpower.ca/crosby.

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.

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: Crosby





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 Inc. - Crosby Solar Project

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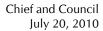
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Sean Male, M.Sc., REA Coordinator Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, L2E 7J7



Page 2



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: Crosby





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 Inc. - Crosby Solar Project

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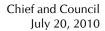
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Yours truly,

Sean Male M.Sc REA Coordinator

SM:mg

Attachment: Notice of a Proposal/Notice of Public Meeting: Crosby





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 Inc. - Crosby Solar Project

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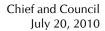
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Attachment: Notice of a Proposal/Notice of Public Meeting: Crosby





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 Inc. - Crosby Solar Project

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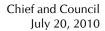
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Attachment: Notice of a Proposal/Notice of Public Meeting: Crosby





H334844

July 20, 2010

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

Dear Robert Pellerin, President:

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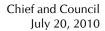
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Attachment: Notice of a Proposal/Notice of Public Meeting: Crosby





H334844

July 20, 2010

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

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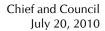
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Attachment: Notice of a Proposal/Notice of Public Meeting: Crosby



# Appendix J Correspondence with Aboriginal Communities

### 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



#### CURVE LAKE, ONTARIO K0L 1R0

#### March 31<sup>st</sup>, 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 4<sup>th</sup>, 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

#### 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 17<sup>th</sup> and 19<sup>th</sup> 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

James W@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

James W@metisnation.org

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**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

James W@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



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

## James W@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





Project Memo

February 2, 2011

TO: James Wagar, Consultation Assessment Sean Male, REA Coordinator FROM:

Coordinator

Métis Nation of Ontario

Tom Hockin, Northland Power Inc. cc:

Northland Power Inc. **Ontario Solar Projects** 

## Memorandum re Métis Interests

#### 1. Introduction

Northland Power Inc. is proposing to construct several solar projects throughout the Province of Ontario. Each solar project is expected to produce 10-MW AC upon commissioning. These Projects are the

Hatch

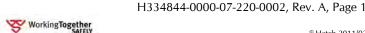
- Belleville North Solar Project
- Belleville South Solar Project
- Crosby Solar Project
- McCann Solar Project
- Rideau Lakes Solar Project
- North Burgess Solar Project
- Glendale Solar Project.

This memorandum has been prepared to address questions provided by James Wagar, Consultation Assessment Coordinator, to Northland Power on January 12, 2011.

#### 2. **Identified areas of Métis Interest**

In his correspondence of January 12, 2011, Mr. Wagar identified five areas of broad general Métis interest:

- water quality
- wildlife
- Aboriginal interests
- study area
- air quality.





These areas of interest are addressed separately below.

#### 2.1 Water Quality

Information on waterbodies can be found within the Water Body Records Review, Site Investigation Report, and Environmental Impact Study for the various Projects. Information presented below is summarized from these reports.

#### 2.1.1 Fish Habitats Including Spawning Potential

None of the Projects require construction within a water body. Where waterbodies have been identified, a 30-m setback from the high water mark of the watercourse has been established in order to protect any fish habitats within the waterbodies.

#### 2.1.2 Drinkability

Several measures are being proposed to ensure water quality within both the surface water and groundwater is not impacted. This will include

- use of erosion and sedimentation control measures during all phases of the Project as required
- spill prevention and response programs
- 30-m vegetated buffers from the high water mark of the watercourse
- a baseline groundwater monitoring program will be implemented, following protocols recommended by the Ministry of the Environment (MOE), to ensure that groundwater sources are not impacted.

#### 2.1.3 Impacts Downstream

Mitigation measures identified to protect drinkability of water will also be effective at mitigating impacts downstream of the Projects. Further, additional mitigation measures will be employed to ensure that there are no impacts to waterbodies:

- monitoring of soil compaction during construction, and remediation as required
- ditches will be grassed and water flow measures installed to ensure runoff rate is slowed.

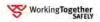
#### 2.1.4 Pollution Including Cumulative Effects

Pollution of the watercourses that could potentially occur as a result of the Project includes sediment and dust deposition within the watercourses, and accidental spills.

Sediment will be controlled through the use of erosion and sedimentation control measures. Best management practices for dust displacement, such as use of dust suppressants, stabilizing materials stockpiles, etc, will be used during construction.

As previously discussed, spill prevention and response programs will be in place for the Projects. This will include, at minimum, the availability of spill kits on the Project sites, designation of refuelling and vehicle maintenance zones, and material storage areas at least 30 m away from watercourses.

As these measures are anticipated to prevent pollution within waterbodies, there are no cumulative effects anticipated.





#### 2.1.5 Monitoring

Visual monitoring for effectiveness of erosion and sedimentation control measures, soil compaction, dust displacement, as well as spill prevention measures will occur. The continual monitoring of these features will ensure that sedimentation off site, soil compaction, and spills do not occur. As well, dust and the potential negative impacts will be mitigated.

#### 2.2 Wildlife

Information on wildlife can be found within the Natural Heritage Records Review, Site Investigation Report, Evaluation of Significance and Environmental Impact Study for the various Projects. Information presented below is summarized from these reports.

#### 2.2.1 Flora and Fauna Populations

The wildlife habitat of each of the Project locations and the surrounding 120 m are carefully detailed throughout the Natural Heritage Assessment reports.

Generally speaking, most Projects are located primarily on agricultural lands. Some clearing within woodlands will be required for the Belleville North, Belleville South, Crosby, McCann, North Burgess, and Glendale Projects. Only the Belleville North Project will require construction within a wetland community, a small green ash swamp.

Wildlife populations of the Project locations consisted of those commonly found within rural agricultural farmlands.

#### 2.2.2 Endangered/Threatened Species

Endangered/Threatened Species identified in relation to the various Projects are summarized below.

 Table 1
 Summary of Endangered and Threatened Species

Project Name	Endangered/Threatened Species	
Belleville North Solar Project	Bobolink have been identified on the Project location. Eastern Ratsnake have been identified within the area, however no habitat has been identified to date on or within 120 m of the Project location.	
Belleville South Solar Project	Eastern Ratsnake and Blanding's Turtles have been identified within the area, however no habitat has been identified to date on or within 120 m of the Project location.	
Crosby Solar Project	Eastern Ratsnake – Have been identified from the area. Surveys will be undertaken in spring 2011 to determine if they are present on or near the Project location.  American Ginseng are known to occur in the area, however have not been identified on or within 120 m of the Project location	
McCann Solar Project	Bobolink and Butternut have been identified on the Project location. The Butternut tree identified has been determined to be non-retainable. Blanding's and Eastern Musk Turtle, as well as Eastern Ratsnake, have been identified within the area, however no habitat has been identified to date on or within 120 m of the Project location.	



Project Name	Endangered/Threatened Species	
Rideau Lakes Solar Project	Bobolink have been observed on the Project location. Eastern	
	Ratsnake have been identified within the area and surveys will	
	be undertaken in spring 2011 to determine if they are present on	
	or near the Project location.	
North Burgess Solar Project	Bobolink have been identified on the Project location	
	Blanding's, Eastern Musk, and Spotted Turtle have been	
	identified within the area, however no habitat has been	
	identified to date on or within 120 m of the Project location.	
Glendale Solar Project	Both Bobolink and Butternut have been identified on the Project	
	location. Several of the Butternut trees have been identified as	
	retainable.	

#### 2.2.3 Biodiversity Initiatives

No specific initiative to promote biodiversity are proposed. Several mitigation measures to protect biodiversity on and within 120 m of the Project location are proposed, including timing of work outside of sensitive periods, and setbacks from sensitive areas in the design and during construction. In addition, general measures to protect biodiversity, such as measures to avoid incidental take of wildlife during construction, are proposed.

These measures will ensure biodiversity on and within 120 m of the Projects is not impacted by Project development.

#### 2.2.4 Monitoring

Monitoring measures are proposed throughout all phases of the Project. This will include:

- Monitoring or work areas boundaries during construction and decommissioning to ensure footprint impact is minimized
- Monitoring of dust generation during construction and decommissioning; dust control measures to be implemented as needed
- Monitoring of work equipment and areas during all phases of the Project to minimize the
  potential for incidental take of wildlife.

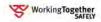
More information can be found in the Natural Heritage Environmental Impact Study for each of the Projects.

#### 2.3 Aboriginal Interests

#### 2.3.1 Who and How Have the Aboriginal People in Ontario been Consulted?

As per Ontario Regulation (O. Reg.) 359/09, the MOE has provided Northland Power Inc. with a list of Aboriginal communities to be consulted on each Project. These communities include

- Alderville First Nation (Crosby, McCann, Rideau Lakes, North Burgess, Belleville North, Belleville South)
- Algonquin's of Ontario (Crosby, McCann, Rideau Lakes, North Burgess)
- Hiawatha First Nation (Crosby, McCann, Rideau Lakes, North Burgess, Belleville North, Belleville South)





- Curve Lake First Nation (Crosby, McCann, Rideau Lakes, North Burgess, Belleville North, Belleville South)
- Kawartha Nishnawbe First Nation (Crosby, McCann, Rideau Lakes, North Burgess, Belleville North, Belleville South)
- Ottawa Regional Métis Council (Crosby, McCann, Rideau Lakes, North Burgess, Glendale)
- Métis Nation of Ontario, Consultation Unit (Crosby, McCann, Rideau Lakes, North Burgess, Belleville North, Belleville South, Glendale)
- Northumberland Metis Council (Belleville North, Belleville South)
- Mohawks of the Bay of Quinte (Glendale, Belleville North, Belleville South)
- Mohawks of Akwesasne (Glendale).

Consultation methods have included written invitations to the First Public Meeting, and to subsequent Final Public Meetings once scheduled. Additionally, if an Aboriginal community paper exists, a Notice of the Public Meeting was advertised. As well, printed copies of the Project Description Report, Construction Plan Report, Design and Operation Report, Decommissioning Plan Report, Noise Assessment Report, Stage 1 and 2 Archaeological Assessment Report, Natural Heritage Assessment Reports and Water Body Assessment Reports as well as an executive summary, have been, or will be upon completion of the reports, couriered to each Aboriginal community identified on the MOE's list.

Additional correspondence with each aboriginal community is underway to confirm whether reports have been received, if sent, and whether any additional information could be provided to assist review of the Projects.

#### 2.3.2 Have any Aboriginal Sensitive Areas been Recognized on or Around the Study Area?

A Stage 1 and 2 Archaeological Assessment was conducted on each Project location. These reports will become available for review.

The table below discusses the finding relation to the two broad interests, if an Aboriginal sensitive area was recognized and if any of the artifacts range between the 17<sup>th</sup> and 19<sup>th</sup> Century.

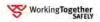
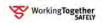




 Table 2
 Summary of Stage 1 and 2 Archaeological Assessments

Project Name	Aboriginal Sensitive Area Recognized?	Date of Artifacts Between 17 <sup>th</sup> and 19 <sup>th</sup> Century?
Belleville North Solar Project	No; no artefacts found.	N/A
Belleville South Solar Project	No; two Findspots not of aboriginal origin identified.	Yes Findspot 1 consisted of an Euro- Canadian early to mid 19 <sup>th</sup> farmstead. Findspot 2 consisted of a historic era scatter of Euro-Canadian artefacts.
Crosby Solar Project	No; three Findspots not of aboriginal origin identified.	Yes Findspot 1 is considered an Euro- Canadian late to mid 19 <sup>th</sup> Century midden pit. Findspot 2 consisted of an Euro-Canadian early to mid 19 <sup>th</sup> farmstead. Findspot 3 consisted of an Euro-Canadian 19 <sup>th</sup> Century midden pit.
McCann Solar Project	No; while Findspot 2 and 4 are pre-contact artifacts, the area is not identified as an aboriginally sensitive area. Two other Findspots not of aboriginal origin identified.	Yes Findspot 1 consisted of an Euro- Canadian 19 <sup>th</sup> Century scatter. Findspot 3 consisted of Euro-Canadian late 19 <sup>th</sup> Century historical era scatter.
Rideau Lakes Solar Project	No; three Findspots not of aboriginal origin identified.	Yes Findspot 1 consisted of a mid-late 19 <sup>th</sup> Euro-Canadian homestead. Findspot 2 consisted of a diffuse mid to late 19 <sup>th</sup> midden likely associated with the homestead. Findspot 3 is a historical era scatter of early to mid 19 <sup>th</sup> Euro- Canadian artefacts.
North Burgess Solar Project	No; while Findspot 1 consisted of Palaeo-Indian projectile point, the area is not identified as an aboriginal sensitive area. Two other Findspots not of aboriginal origin identified.	Yes Findspot 3 consisted of a Euro-Canadian 19 <sup>th</sup> stone well.
Glendale Solar Project	No; four Findspot not of aboriginal origin identified.	Yes Findspot 1 consisted of a Euro-Canadian mid to late 19 <sup>th</sup> Century historical era scatter. Findspot 2 is a Euro-Canadian mid to late 19 <sup>th</sup> historical Findspot, consisting of a variety of artifacts. Findspot 3 is an Euro-Canadian early to mid 19 <sup>th</sup> Century historical era scatter. Findspot 4 consisted of a stone wall and a scattering of Euro-Canadian 19 <sup>th</sup> Century artifacts.

Overall, no specific Métis artifacts were identified during the course of the Stage 1 and 2 Archaeological Assessments.





#### 2.4 Study Area

#### 2.4.1 Does any Crown Land Exist Within the Study Area?

All of the Project lands are located on privately owned lands. Crown land does not exist within the study area.

#### 2.4.2 What Types of Land Exists Within the Study Area (i.e., Wooded Lots, Agriculture)

As previously discussed in Section 2.2.1, the study area of each Project's consist mainly of agricultural fields, with woodlands and wetlands located on or within 120 m of some of the Projects.

### 2.5 Air Quality

#### 2.5.1 Pollution During Construction, Operation, Decommissioning and Abandonment

Dust is anticipated to occur during construction and decommissioning/abandonment. This will be mitigated through best management practices, including using dust suppression (e.g., water) if necessary. Dust is not anticipated during operation.

Local impacts to air quality will occur as a result of the operation of equipment during construction and decommissioning/abandonment. However, the use of appropriate vehicle emission controls will help mitigate this effect such that impacts to air quality will be local and temporary. The solar projects do not have an impact on air quality during operations; use of combustion equipment during operations will be restricted to occasional maintenance requirements such that no impact to air quality is anticipated during this phase.



## 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 (<u>www.northlandpower.ca/glendale</u>)
- McCann Solar Project (www.northlandpower.ca/mccann)
- North Burgess Solar Project (www.northlandpower.ca/northburgess)
- Rideau Lakes Solar Project (<a href="www.northlandpower.ca/rideaulakes">www.northlandpower.ca/rideaulakes</a>)

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 10<sup>th</sup>, 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



**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 [James W@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