

April 9, 2013

Mohsen Keyvani, Senior Waste Engineer
Approval Services
Environmental Approvals Branch
Ontario Ministry of the Environment
2 St. Clair Avenue West, 12th Floor
Toronto, ON M4V 1L5

Dear Mr. Keyvani:

Subject: North Burgess Solar Project - Detailed Survey and Reduced Wetland Setback

Subsequent to Northland Power Solar North Burgess L.P.'s application for an amendment to Renewable Energy Approval No. 5149-8YPMVG, originally issued by the MOE on November 7, 2012, Northland has been completing detailed surveying activities related to construction and clearing activities for the North Burgess Solar Project within the original permitted footprint. During this surveying, it was determined that the identified separation between the identified Project location and the wetland community on the southern portion of the site in Woodland 3 is closer to 10 m, rather than the 15 m identified in the amendment application.

Given that detailed design of the proposed facility has been completed, we are proposing to amend the previously identified setbacks to be reflective of the actual 10 m distance. This change will have no increase in potential environmental effects, and no additional mitigation measures are required. No modifications to any of the Project documentation are proposed at this time.

We have consulted with the Ontario Ministry of Natural Resources (MNR) in relation to this change. A letter was issued to the MNR on March 27, 2013, and a confirmation e-mail received on April 9, 2013 indicating that the change had been accepted.

At this time, we ask that you include this letter and its attachments as supplementary documentation in the application for an amendment to Renewable Energy Approval No. 5149-8YPMVG. We will post this correspondence and the associated attachments to the Project website.

Should you have any questions or concerns with respect to the above documentation, please feel free to contact me at 905-374-0701, Ext. 5280 or smale@hatch.ca.

Sincerely,



Sean K. Male, M.Sc.
Environmental Coordinator

Attachment(s)/Enclosure
Correspondence to J. Beal, MNR
E-mail Confirmation from MNR
cc: R. Miller, Northland Power



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H334844-0000-07-218-0211, Rev. 0

March 26, 2013

Jim Beal
Provincial Coordinator Renewable Energy Program
Ontario Ministry of Natural Resources
Southern Region Planning Unit
300 Water St., 4th Floor S, P.O. Box 7000
Peterborough, ON K9J 8M5

Dear Mr. Beal:

Subject: North Burgess Solar Project - Detailed Survey and Reduced Wetland Setback

Subsequent to our correspondence of January 22, 2013 (attached), Northland has been completing detailed surveying activities related to construction and clearing activities of the North Burgess Solar Project. During this surveying, it was determined that the previously identified separation between the identified Project location and the wetland community on the southern portion of the site in Woodland 3 is closer to 10 m, rather than the 15 m identified in the January 22, 2013 correspondence and associated figure. The area in question is circled in red on the last page of the previously provided correspondence.

Given that detailed design of the proposed facility has been completed, we are proposing to amend the previously identified setbacks to be reflective of the actual 10 m distance, which has already been confirmed along the northern boundary of this wetland community. Mitigation measures identified within the January 22, 2013 correspondence will be respected in this area as well, and no new impacts to the wetland community are anticipated beyond those identified in the previous correspondence.

Should you have any questions or concerns with respect to the above documentation, please feel free to contact me at 905-374-0701, Ext. 5280 or smale@hatch.ca.

Sincerely,



Sean K. Male, M.Sc.
Environmental Coordinator

Attachment(s)/Enclosure
Correspondence of January 22, 2013 to J. Beal, MNR

cc: A. Cameron, MNR
R. Miller, Northland Power



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H334844-0000-90-218-0210, Rev. 0

January 22, 2013

Jim Beal
Provincial Coordinator, Renewable Energy Program
Ontario Ministry of Natural Resources
Southern Region Planning Unit
300 Water St, 4th Floor South
P.O. Box 7000
Peterborough, ON
K9J 8M5

Dear Mr. Beal:

Subject: North Burgess Solar Project - Revisions to Project Location

Northland Power North Burgess Solar L.P. (Northland Power) is proposing to develop a 10-MW solar project within the Township of Tay Valley, County of Lanark, Ontario.

The Project, as originally conceived, received a confirmation letter from the Ontario Ministry of Natural Resources (MNR) on August 19, 2011. Since that time, Northland Power has been actively engaging with the Township of Tay Valley and the County of Lanark to obtain an exemption to the County's tree cutting by-law.

As part of these discussions, Northland Power agreed to reduce the extent of the footprint within the woodland community in the southern portion of the Project location. As part of this agreement, Northland Power also committed to the following measures:

- The woodland restoration program will be prepared in consultation with the Township of Tay Valley and the County Forester, which may include greater than 1:1 planting
- As the landowner, Northland will donate the wetland area to the northwest of the Project, having an area of approximately 69 acres to a conservation land trust, or such other entity to be determined in consultation with the Township.
- As the landowner, Northland will donate the remaining woodland area within Woodland 3 on the property, having an area of approximately 28 acres to a conservation land trust, or such other entity to be determined in consultation with the Township.



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H334844-0000-90-218-0187, Rev. 1

This reduction in footprint was identified to MNR by Hatch on September 26, 2012. A re-confirmation of the NHA was provided to Hatch on October 23, 2012.

Since that time, it has come to our attention that there are some minor variances between what the Township of Tay Valley and the County of Lanark have agreed to permit for tree removal, and what was shown in the mapping provided to the MNR in the fall of this year. As a result, we are providing the following documentation to address potential impacts of this additional footprint within the woodland.

Woodland Removal

In the original REA Application, it was anticipated that a total of 14 ha (or 22%) of Woodland 3 would be removed for the Project. In September 2012, that amount was noted as being reduced to 9.6 ha (or 14%). The current proposal would call for the removal of 9.0 ha (or 14%).

Northland Power remains committed to compensating for the full extent of woodland removed from the Project location.

Wetland Setback

There will primarily be no change to the setback from the wetland community, with the exception of the following areas:

- Setback from the wetland community within Woodland 3 along the northern extent of the southern portion of the wetland to be reduced, in some locations, to 10 m from 30 m. This will occur across a length of approximately 100 m along the wetland.
- Setback from the wetland community within Woodland 3 along the southern extent of the southern portion of the wetland to be reduced, in some locations, to 15 m from 30 m. This will occur across a length of approximately 110 m along the wetland.

Though this represents an increase in potential effect to the wetland as a result of the reduced setback, the following mitigation measures, in addition to the identified setbacks, will be employed to ensure no net effect:

- Land on the Project Location will be graded in such a way to preserve the existing surface drainage patterns and flow regime, to the furthest extent possible, so as not to disrupt wetland water inputs or functions.
- The *Construction Plan Report* (Hatch Ltd., 2012e) details methods to mitigate sedimentation through the use of grading, siltation fencing etc. Silt fencing will be installed along the boundaries of the Project location within these areas.
- Wildlife using the wetland will not be displaced or lost. Adjacency effects will be mitigated to the extent possible by retaining a vegetated buffer between the Project and the wetland.
- Vegetation clearing within 30 m of the wetland will be scheduled to occur outside of the amphibian and bird breeding period (i.e., generally April through July) to avoid impacts to wildlife species breeding on the Project location.



- Given the setback proposed from the wetland, it is anticipated that the Project fence will not have an impact on wildlife movement for reptiles, amphibians and small mammals.
- The workforce will be made aware of the potential for wildlife occurring on the Project Location in order to avoid wildlife wherever possible.
- Standard construction site best management practices will be implemented to prevent fugitive dust.
- When working within 30 m of any wetland during construction, or during high precipitation events during construction, monitoring of sediment and erosion controls will occur daily.

Animal Movement Function of Woodland 3

The original clearing plan proposed a treed buffer within Woodland 3, such that there will be a minimum 50-m corridor present along the western and southern edges of the Project location, and a minimum 25-m wide corridor along the eastern edge to ensure connectivity to a hedgerow community across Narrows Lock Road.

The proposed clearing plan would modify this corridor to the following extent:

- Southern boundary would increase from a 50 m corridor to a 150 to 225 m corridor. This represents a net benefit to wildlife movement.
- Western boundary would be reduced from a 50 m corridor to a 30 m corridor. Though this reduction reduces the overall width of this corridor, a 30 m corridor is anticipated to provide a sufficient buffer for wildlife movement.
- Eastern boundary would decrease from a 25 m corridor to a 5 m corridor.

Though reductions in the width of the boundary are occurring on the western and eastern portions of the corridor, the 30 m corridor along the western boundary is anticipated to maintain animal movement into the now expanded remnant woodland south of the Project location, while wildlife will only be required to cross through 20 m of the 5 m width woodland to reach the connecting hedgerow within the field opposite Narrows Lock Road. Though these alterations change the form of the animal movement corridor around the Project location, it is not anticipated to have an impact on the function.

Supporting Materials

Attached to this letter, you will find the figure from the Natural Heritage Environmental Impact Study report, revised to show the original Project location, the September 2012 revision to the Project location, and the current proposed revision to the Project location. In addition, the proposed revised layout for the Project is also provided for consideration.



Jim Beal
Provincial Coordinator, Renewable Energy Program
Ontario Ministry of Natural Resources
January 22, 2013

Should you have any questions or concerns with respect to the above documentation, please feel free to contact me at 905-374-0701, Ext. 5280 or smale@hatch.ca.

Sincerely,



Sean K. Male, M.Sc.
REA Coordinator

Attachment(s)/Enclosure

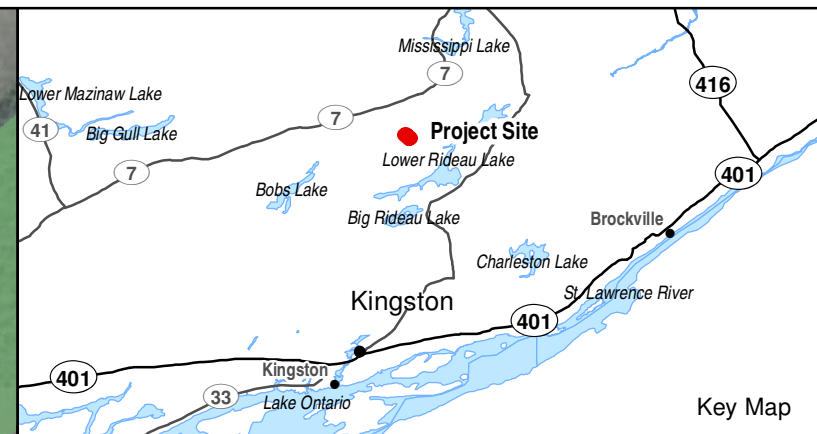
Natural Heritage Environmental Impact Study – Figure showing Project Location and Significant Natural Heritage Features
North Burgess Solar Project – Revised Layout

cc: Rob Miller, Northland Power
Mike Lord, Northland Power



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H334844-0000-90-218-0187, Rev 1
Page 4

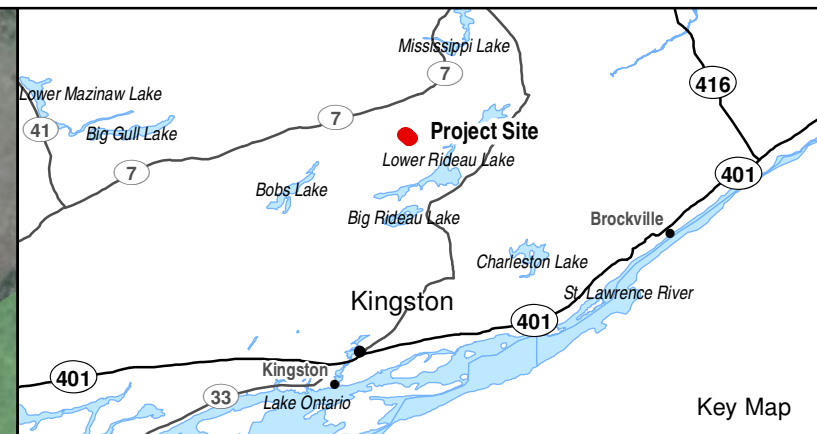
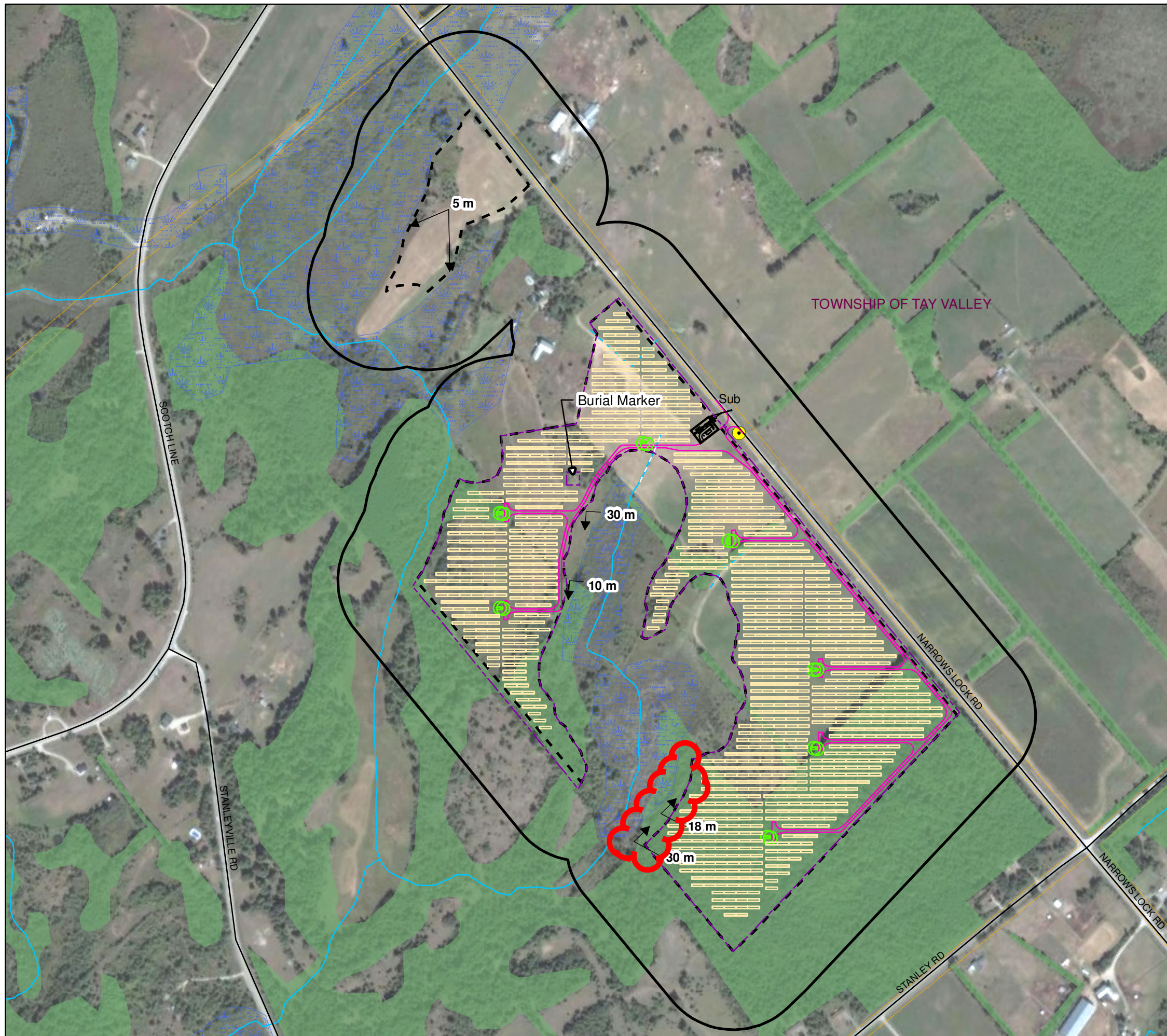


- Legend**
- Road
 - - - Grassed Waterway
 - Watercourse
 - ▭ Parcel
 - Woodland
 - Old Growth Forest (as identified by MNR)
- Significant Natural Features**
- Provincially Significant Wetland (assumed) / Amphibian Breeding Habitat
 - Forest Providing a High Diversity of Habitat / Animal Movement Corridor / Significant Woodland
 - Animal Movement Corridor / Western Chorus Frog Habitat / Eastern Ribbonsnake Habitat / Snapping Turtle Habitat / Northern Map Turtle Habitat
- Project Components**
- Connection Point With Existing Distribution Line
 - - - Original Project Location
 - ▭ 120 m from Original Project Location
 - - - Proposed Revised Project Location
 - ▭ 120 m from Revised Project Location
- Northland CAD Drawing - December 2012**
- - - Fence
 - Project Boundary



- Notes:**
1. OBM and NRVIS data downloaded from LIO, with permission.
 2. Old Growth Forest data based on information by Information Management & Planning Kemptville District.
 3. Spatial referencing UTM NAD 83.
 4. Satellite imagery from Google Earth Pro.

Figure 1.1
 Northland Power Inc.
North Burgess Solar Project
Project Location and Significant Natural Heritage Features



Legend

- Road
 - - - Grassed Waterway
 - Watercourse
 - ▭ Parcel
 - - - Project Location
 - ▭ 120 m from Project Location
 - Woodland
 - Wetland
- Project Infrastructure**
- Connection Point With Existing Distribution Line
 - ▭ Solar Panel
 - Inverter
 - Access Road
 - - - Fence
 - ▭ Substation



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

Figure 1.1
 Northland Power Inc.
 North Burgess Solar Project
 Site Plan **HATCH™**

Girodat, Sharon

From: Webb, Jason (MNR) [Jason.Webb@ontario.ca]
Sent: Tuesday, April 09, 2013 9:24 AM
To: Male, Sean
Cc: Rob Miller; 334844; Cameron, Amy (MNR); Halloran, Joe (MNR)
Subject: RE: Northland Power - North Burgess Solar Project - Wetland Setback Modification

Hi Sean,

Thank you for your memo dated March 26th, 2013. A copy has been added to the North Burgess project file. Please accept this email as confirmation that the proposed setback of 10m from the wetland feature in woodland 3 has been accepted. A copy of this email should be retained for your records.

If you have any questions please let me know.

Take care,

Jason Webb
Planning Ecologist
Southern Region Planning Unit
Ministry of Natural Resources
300 Water Street, 4th Floor, South Tower
Peterborough, Ontario K9J 8M5
(705) 755 - 3202
jason.webb@ontario.ca

From: Cameron, Amy (MNR)
Sent: March 28, 2013 11:37 AM
To: Male, Sean
Cc: Rob Miller; 334844; Webb, Jason (MNR)
Subject: RE: Northland Power - North Burgess Solar Project - Wetland Setback Modification

Thanks Sean!

Jason Webb will be reviewing and providing any comments.

Amy

From: Male, Sean [<mailto:SMale@Hatch.ca>]
Sent: March 27, 2013 8:38 AM
To: Beal, Jim (MNR)
Cc: Cameron, Amy (MNR); Rob Miller; 334844
Subject: Northland Power - North Burgess Solar Project - Wetland Setback Modification
Importance: High

Hi Jim,

Please find attached a letter (File: "0210-NB-MNR Letter") detailing the results of a construction monitoring inspection at the North Burgess Solar Project location which has identified a slightly reduced setback from the wetland than was permitted within the last amendment of the Natural Heritage Assessment report.

Once you have reviewed, please let me know if you would like to discuss.

Thanks,

Sean

Sean K. Male, M.Sc.

Terrestrial Ecologist/Environmental Assessment & Management



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