SOUTH BRANCH WIND FARM

CONSULTATION REPORT

Report 9 of 9

May 31, 2012

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1. PURPOSE

The South Branch Wind Farm Consultation Report is prepared for the purpose of compliance with Ontario Regulation 359/09, which amends the *Environmental Protection Act for the Renewable Energy Approvals* under Part V.0.1 of the Act.

Section 13 requires supporting documentation as outlined in Table 1 of O. Reg 359/09. Item 2 in Table 1 identifies a Consultation Report as a requirement of the South Branch Wind Farm Renewable Energy Approval (REA).

A final version of this report is included in the REA submission to the Ontario Ministry of the Environment (MOE).

2. PROJECT OVERVIEW

Prowind Inc. (Prowind) is a Canadian wind energy developer based in Hamilton, Ontario. It is affiliated with its parent company, Prowind GmbH, based in Osnabrück, Germany. Prowind's mandate is to create small-scale, renewable and zero-emission power generation. Prowind believes in distributed generation that has a minimum impact on the surrounding environment and landscape.

The South Branch Wind Farm is a 30 MW project that will employ the use of up to 14 wind turbine generators. These wind turbines have a maximum hub height of 140 meters and a maximum rotor diameter of 118 meters. Final turbine specifications have not been established, but for the purpose of assessing the potential impact, maximum possible dimensions are utilized for the REA preparation.

The operational wind farm will consist of wind turbine generators, access roads, a substation and a combination of underground and above ground cabling to connect the turbines to the substation and the substation to the feeder line. In addition, there will be a storage shed, and a designated operations and maintenance building for the life of the project. During the construction and decommissioning, there will be additional, temporary infrastructure including: 3 concrete wash ponds and a construction office trailer.

The project is proposed on privately owned, agricultural land as well as municipal easements surrounding Brinston, Ontario. The project turbines are located in two main areas. The western area is defined by properties directly on each side of Byker Road, between Dobbie Road and Branch Road to the north and Pitt Road and Sandy Creek Road to the south. Turbines in the eastern area lie on either side of County Road 16 (Brinston Rd) between Oak Valley Road to the north and Cook Road to the south.

Figure 1 illustrates the project location within Ontario. Figure 2 shows the project area with proposed infrastructure layout.

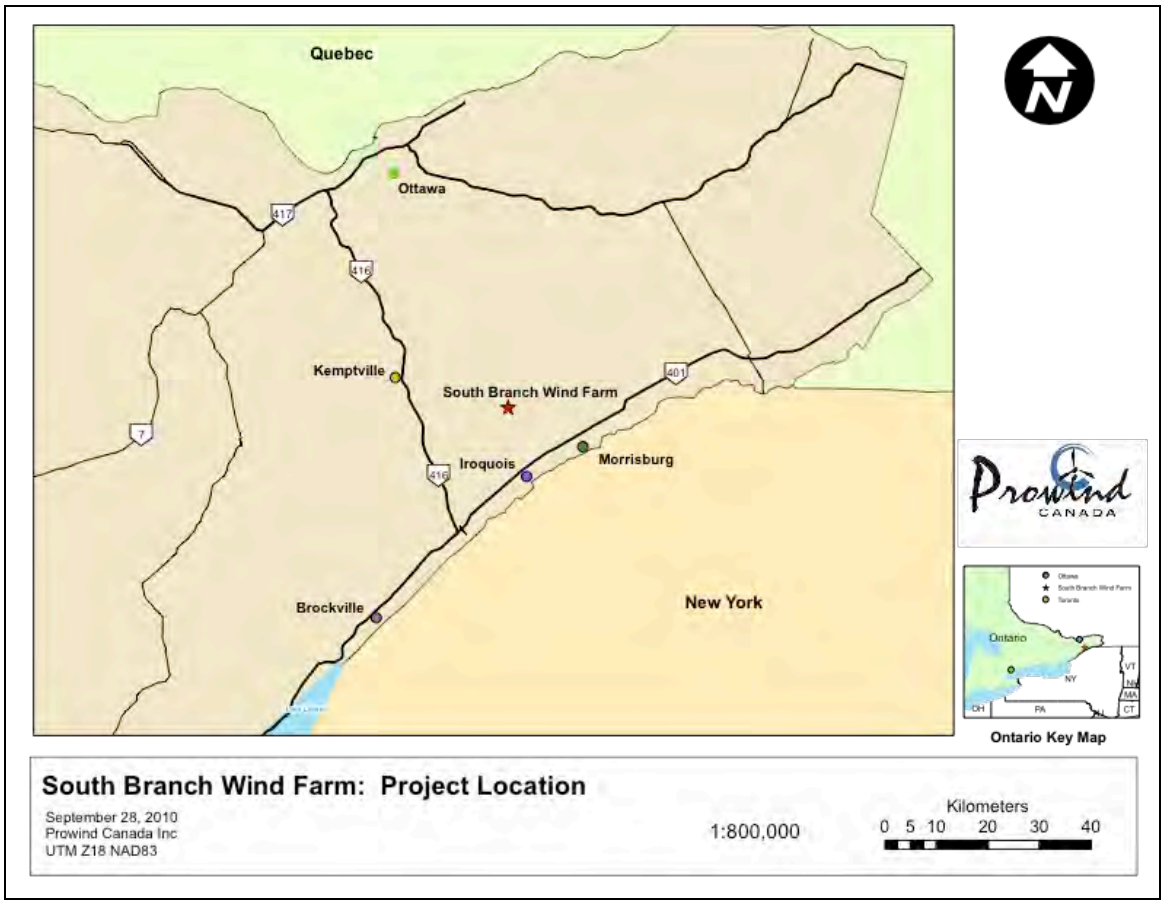

FIGURE 1 SOUTH BRANCH WIND FARM PROJECT LOCATION

It should be noted that the South Branch Wind Farm is a project that was initially proposed as three separate 10 MW wind farm projects under the previous incarnation of Ontario's Renewable Energy program, RESOP. Prior to November 2009, western section of the project (now comprising Turbines 1-4) was known as Boundary Wind Farm. The eastern side of the project was split in two sections. At that time, Brinston Wind Farm was comprised of the land area included near Turbines 10-15. South Branch was initially the northeast quadrant, including Turbines 5-8.

Public, aboriginal and agency consultation for South Branch Wind Farm started before the amalgamation of these three separate RESOP projects. Materials from before November 2009 will have references to these 3 individual sites; however, due to the proximity of these projects, consultation for the 3 projects was completed jointly and should be considered applicable toward the now-amalgamated South Branch Wind Farm project.

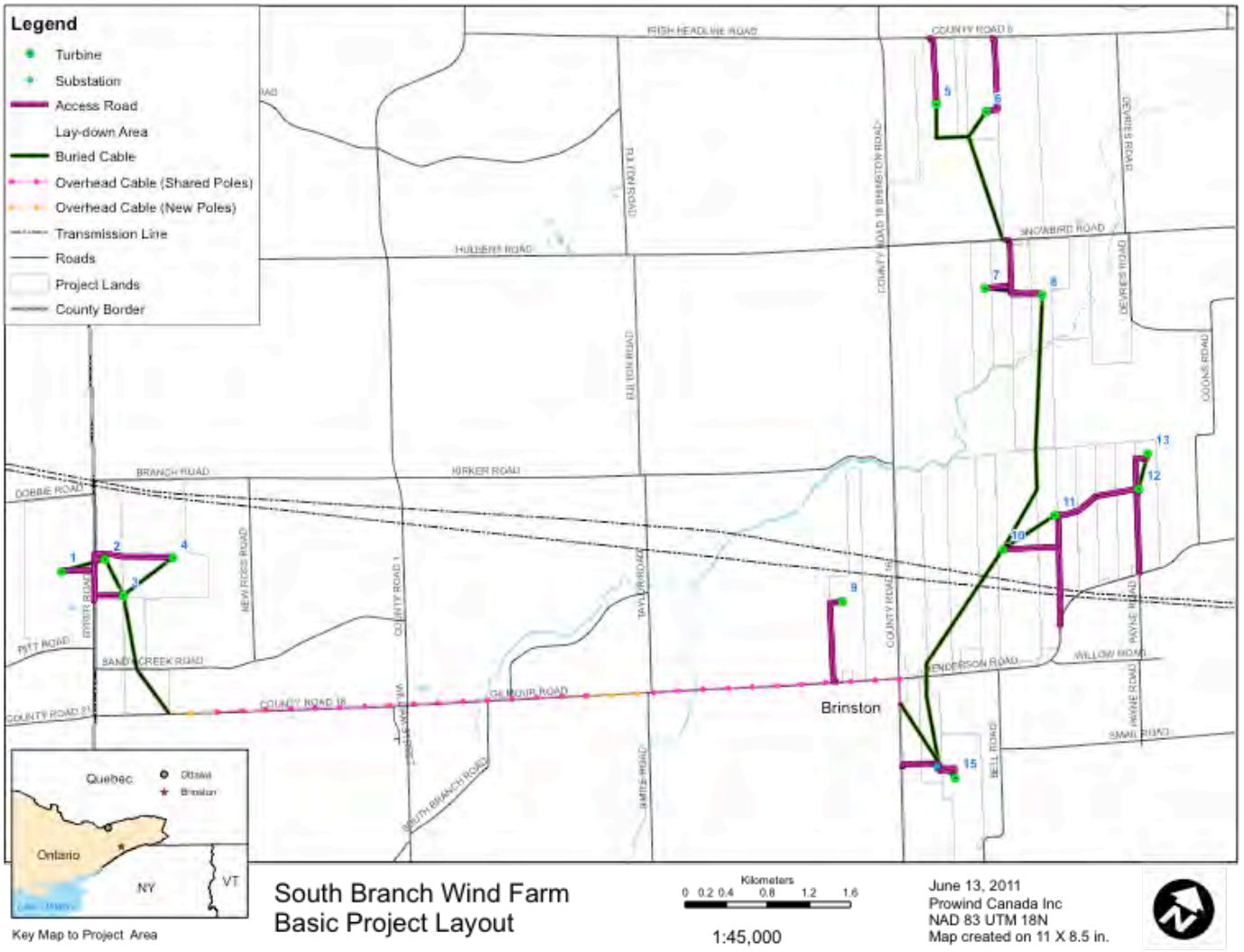

FIGURE 2 SOUTH BRANCH WIND FARM PROJECT LAYOUT

3. SUMMARY OF CONSULTATION MILESTONES

The table below summarizes the consultation conducted under the O. Reg 359/09 to fulfill the requirements for application of the Renewable Energy Approval. Some consultation was conducted prior to O. Reg 359/09 coming into effect, thereby conducted under O. Reg 116/01. Consultation conducted under 116/01 is not summarized in the table below, but is detailed in the report that follows, to demonstrate the complete scope of consultation efforts in the community surrounding the South Branch Wind Farm.

TABLE 1 SUMMARY OF CONSULTATION CONDUCTED UNDER O. REG 359/09

Consultation Milestone	Date
FIT Contract awarded	April 30, 2010
Notice of a Proposal to Engage in a Renewable Energy Project and Notice of a Public Meeting	June 30, 2010
First Public Meeting in South Dundas	August 11, 2010
Notice of Draft REA and Public Meeting	July 29, 2011
Second Public Meeting in South Dundas	September 29, 2011
Notice of Public Meetings	November 9, 2011
First Public Meeting in Edwardsburgh/ Cardinal	December 12, 2011
Final Public Meeting in South Dundas	January 10, 2012
Final Public Meeting in Edwardsburgh/ Cardinal	January 11, 2012

4. STAKEHOLDER NOTIFICATION

Stakeholders of any wind farm include several key organizations and individuals. The term 'Stakeholder' in this document is intended to comprise all those who belong to one or more of the groups listed below (presented in no particular order).

- Federal, Provincial and Municipal government representatives and reviewing agencies
- Participating landowners
- Residents living in the vicinity of the project area
- Local residents of the project township
- Interested public
- Conservation authorities or other organizations with ties to the project area
- Aboriginal communities with ties to the project area

4.1. NOTICE OF COMMENCEMENT

Development of South Branch Wind Farm began in early 2008. Public notification of the project was carried out under former regulations stipulated by then-enforced Ontario Regulation 116/01 of the *Environmental Assessment Act*.

Under these regulations, a Notice of Commencement (NOC) was published to alert stakeholders and public of the intent to develop the three projects comprising today's South Branch Wind Farm. These notices were published as indicated in the table below. The notices were also hand-delivered to homes within 2 km of the project area, mailed to agency and government stakeholders and emailed to the project distribution list.

TABLE 2 NOC PUBLICATION

Wind Farm Project	NOC Publication Date	Newspaper	Hand-Delivery of Notices
Brinston	April 16, 2008	Iroquois Chieftain	April 16, 2008
South Branch	April 16, 2008	Iroquois Chieftain	April 16, 2008
Boundary	Nov 18, 2008	The Morrisburg Leader	Nov 13, 2008

Newspaper tear sheets, copies of the NOC and our communication efforts for this initial notice are provided Appendix A.

4.2. NOTICE OF PUBLIC MEETING UNDER O. REG 116/01

The first public meeting for South Branch, Brinston and Boundary Wind Farms occurred in January 2009, prior to the introduction of the FIT program. Although this meeting is not counted toward the required public meetings for South Branch under the REA program, details of this meeting are presented here as supporting evidence of a thorough public consultation effort.

Advertisements for the first public meeting of South Branch, Brinston and Boundary Wind Farms were published in the Morrisburg Leader, hand-delivered to residents within 2 km of the project area, emailed to the project distribution list and posted in public locations around the project area during the week of January 12-16, 2009.

The meeting was held on January 29, 2009 at Matilda Hall in Dixon's Corners, just south of Brinston.

Newspaper tear sheets, copies of the Notice of Public Meeting and our communication plan for advertising this first public meeting are provided Appendix B. Details on the content and discussion at this meeting are presented in Section 5.1 below.

4.3. NOTICE OF PROPOSAL / NOTICE OF MEETING

As indicated above, the 3 RESOP projects were formally amalgamated into a single FIT project in November 2009 when the 30 MW South Branch Wind Farm application was submitted to the FIT Program. Following the introduction of the Green Energy Act and

Ontario Regulation 359/09, project notifications and initial public meetings were revisited to ensure compliance with the new regulations.

Following format prescribed in REA guidelines, a Notice of a Proposal to Engage in a Renewable Energy Project ("NOP") was published on two separate days. This information was delivered to project stakeholders (including government agencies, stakeholder organizations, aboriginal communities and the general public) through several means as described below.

The NOP was published in the Morrisburg Leader on June 30 and July 6, 2010. This is a newspaper serving the residents of Morrisburg, South Dundas and Eastern Ontario, published weekly. Tear sheets from these editions are included in Appendix C.

The NOP was also published in the Indian Time newspaper, local to the community of the Mohawks of Akwesasne. This publication was dated July 8, 2011

On July 8, 2010, paper copies of the NOP were hand delivered to residents and businesses within 1 km of the project area. In parallel, the NOP was published to the South Branch Wind Farm project website and an email message including the NOP was sent to all members of the project distribution list indicating the details of the Notice, its location on our website and a reminder of our contact information.

The NOP also served as notice of a public meeting, the second such public meeting for South Branch Wind Farm, but the first to count toward requirements of O. Reg 359/09. The NOP included all pertinent meeting details. Discussion of the materials presented at this second public meeting and discussion of its proceedings is presented in Section 5.2 below.

To ensure appropriate dissemination of project details, the Project Description Report (PDR) for the South Branch Wind Farm was highlighted within the NOP. The PDR was published to the project website, alongside the NOP, and its availability was indicated in an email to our project distribution list.

Printed copies of the NOP and PDR were mailed to agency reviewers and to Aboriginal communities. More detail on these communications is presented in Sections 7 and 8.

Paper copies of the PDR and the NOP were placed in public locations including the South Dundas Township office in Williamsburg and the Municipal office of the Township of Edwardsburgh/Cardinal in Spencerville for review by interested parties wishing for hard copies.

4.4. Notice of Draft REA Reports and Public Meeting

On July 27, 2011, project Stakeholders were alerted to the publication of Draft REA Reports for South Branch Wind Farm. Email notifications were sent to agency reviewers, municipal contacts, aboriginal stakeholders and our project email list. As well, advertisements highlighting the publication of these reports were published in the Morrisburg Leader on July 27 and August 3, 2011. The Notice was also published in the Indian Time newspaper on August 4, 2011.

The South Branch Wind Farm Draft Renewable Energy Reports were uploaded to Prowind Canada's website and available for download on July 26, 2011.

As indicated in the Notice, copies of the reports were made available for download on the project website and in hard copy at the municipal offices for the Township of South Dundas and the Township of Edwardsburgh/Cardinal.

Public and agency stakeholders were informed of the opportunity to review and comment on the full suite of documents drafted to meet REA requirements.

The notification also provided notice that a public information meeting would be held 60 days from the posting of the draft REA (on September 29, 2011). Details on the timing and location of this meeting were included in the Notice.

This Notice was issued under the assumption that this meeting would be the final public meeting for the South Branch Wind Farm. After that announcement was made, Prowind decided to host additional public meetings with updated REA documents. The meeting on September 29, 2011 went ahead anyway and is considered additional public consultation beyond the minimum required public meetings.

Newspaper tear sheets and a summary of communication messaging for the publication of the Draft REA and Public Meeting are presented in Appendix D. Discussion of the materials presented at this public meeting and discussion of its proceedings is presented in Section 5.3 below.

4.5. NOTICE OF PUBLIC MEETINGS

A Notice of Public Meetings was issued on November 9, 2011 to inform the public and other stakeholders of three upcoming public meetings to be held for the South Branch Wind Farm.

These three meetings were as follows:

- Initial public meeting for the Township of Edwardsburgh/Cardinal - December 12, 2011
- Final public meeting for the Township of South Dundas – January 10, 2012
- Final public meeting for the Township of Edwardsburgh/Cardinal – January 11, 2012

Email notifications were sent to agency reviewers, municipal contacts, aboriginal stakeholders and our project email list. As well, advertisements highlighting the publication of these reports were published in the Morrisburg Leader and Prescott Journal on November 9, 2011 and the Kemptville Advance and Indian Time on November 10, 2011.

The Notice was delivered by Canada Post via unaddressed admail to the postal code areas surrounding the project location. This ensured that landowners within 120 m of the project location and beyond received a copy of the Notice in their mailbox.

As indicated in the Notice, copies of the reports were made available for download on the project website and in hard copy at the municipal offices for the Township of South Dundas and the Township of Edwardsburgh/Cardinal.

Public and agency stakeholders were informed of the opportunity to review and comment on the full suite of documents drafted to meet REA requirements.

The notification provided over 30 days notice for the initial public meeting for the Township of Edwardsburgh/Cardinal meeting on December 12, 2011. An updated version of the PDR was made available on the website as well as hard copies provided at the municipal offices for the Township of South Dundas and the Township of Edwardsburgh/Cardinal.

The notification also provided over 60 days notice that the final public meetings for both the Township of South Dundas and the Township of Edwardsburgh/Cardinal would be held on January 10, 2012 and January 11, 2012, respectively.

The Notice also gave more than 60 days review time for the updated Draft REA documents that made available on the website as well as hard copies provided at the municipal offices for the Township of South Dundas and the Township of Edwardsburgh/Cardinal. A copy of the Draft REA was also mailed to each First Nations.

Newspaper tear sheets and a summary of communication messaging for the publication of the Draft REA and Public Meeting are presented in Appendix E. Discussion of the materials presented at this public meeting and discussion of its proceedings is presented in Section 5.4 below.

4.5.1. Notice of Public Meetings "Reminder"

Due to the length of the required notification period for the final public meetings, a second advertisement for the two final public meetings was issued. This is referred to here as a "reminder" notice.

An advertisement was placed in the Morrisburg Leader and the Prescott Journal on January 4, 2012 and the Kemptville Advance on January 5, 2012. This provided 5-7 days notice for the upcoming meetings. The notice also provided an agenda for the public meeting and requested any questions for the Q&A panel to be issued in advance via email or phone.

This notice was also emailed out to the project stakeholder mailing list.

Newspaper tear sheets and a summary of communication messaging for the publication of the Notice of Public Meeting "reminder" are presented in Appendix E.

4.6. PUBLIC ANNOUNCEMENT – REA UPDATES

After the final public meetings were held, minor changes were made to the REA documents that were not available at the time of the final public meetings. To allow for transparency and clear public communication, a notice was provided that outlined these updates.

An advertisement was placed in two local papers, the Morrisburg Leader and the Prescott Journal on February 22, 2012. The notice was also emailed to the stakeholders mailing list.

The advertisement advised readers of two changes that were made to the REA documents since the draft REA dated November 4, 2011.

These updates include (as noted on the advertisement):

- Ice Throw Report - This report was prepared by a specialized consultant. The results of the ice throw report have been included in the revised REA. The report is available for review on our website at

www.prowind.ca/downloads/SouthBranchWindFarm_IceThrowReport_20120123.pdf.

- Turbine Foundations - The turbine foundation type for all turbines at the South Branch Wind Farm will likely be shallow-spread foundations. The Nov 4, 2011 REA reporting states that pile foundations may also be necessary at some turbines locations pending the outcome of detailed geotechnical analysis to be completed at each turbine location. As such and for clarity, the revised REA provides an additional construction description for pile foundations under the Construction Plan Report.

The notice also provided directions for making final comments on the REA once the document has been submitted to and accepted by the MOE.

Newspaper tear sheets and a summary of communication messaging for the publication of the Public Announcement are presented in Appendix F.

5. PUBLIC CONSULTATION

Public consultation for the South Branch Wind Farm project included many components and has spanned the life of the project to date.

The consultation plan for this project included formal notifications and public meetings as required by the relevant environmental regulations, as updated from time to time. In addition, South Branch Wind Farm consultation incorporated several other facets to ensure that residents and businesses within the project area were apprised of project status, scope and plans throughout the project lifecycle.

A summary of the consultation efforts for these important stakeholders is presented in the sections below. For ease of reference, an outline of relevant consultation efforts is presented in Table .

TABLE 3 SUMMARY OF CONSULTATION

Activity	Date	Report Section
Notice of Commencement	2008-04-16 and 2008-11-18	4.1
Notice of Public Meeting under O. Reg 116/01	2009-01-14	4.2
Public Meeting under O. Reg 116/01	2009-01-29	5.1
Notice of Proposal and Public Meeting	2010-07-07	4.3
Initial Public Meeting in South Dundas	2010-08-11	5.2
Project Newsletter	2011-05-31	5.8.2
Notice of Draft REA Reports and Public Meeting	2011-07-27	4.4
Public Meeting	2011-09-29	5.3
Notice of Public Meetings	2011-11-09 and 10	4.5
Initial Public Meeting in Edwardsburgh/Cardinal	2011-12-12	5.4
Final Public Meeting in South Dundas	2012-01-10	5.5
Final Public Meeting in Edwardsburgh/Cardinal	2012-01-11	5.6
Announcement of REA Updates	2012-02-22	4.6
Email Update	Various	5.8.1

A communication log with a record of all public correspondence in regards to the project is presented in Appendix E.

5.1. PUBLIC MEETING UNDER O.REG 116/01

The first public meeting for this project was carried out under requirements of Ontario Regulation 116/01 of the *Environmental Assessment Act*. Upon adoption of the Renewable Energy Approval process, Prowind met with the MOE to request that the open house held under Regulation 116/01 be counted toward REA requirements for this project. After review, the MOE determined that they would not credit this first public open house toward the REA; however, details of this meeting are included here as they are pertinent to the ongoing public consultation for this project. Correspondence with the MOE regarding this public meeting, is included in Appendix B.

5.1.1. Meeting Summary

The initial open house was advertised in the Morrisburg Leader newspaper on January 14, 2009, providing the community 15 days advanced notice of the meeting. The advertisement for the open house was also hand delivered to homes in the area surrounding the proposed project.

Meeting Date:	Thursday, January 29, 2009
Time:	5:30 to 8:30pm
Location:	Matilda Hall, 4421 County Rd 16, Dixon's Corners, Ontario

The meeting was held in an open house format, with posters and other informational printed material on display and developer staff on-hand to answer questions. The posters provided an introduction to the company and a history of the development of South Branch, Brinston and Boundary wind farm projects. Other posters gave detail on the mechanics and history of wind power, wind energy analysis, environmental assessment and considerations, project specific details, including the scope of the project area, and an estimated development timeline.

Aerial imagery of the project area was available as well. All posters are attached in Appendix B and were posted to the project website after the meeting for those who could not attend.

Sign-in sheets and survey forms were placed at a table at the entrance for attendees upon arrival. Project information handouts, company information handouts and wind energy and agriculture handouts were placed at a side table. Various wind energy studies were placed on a side table for reference purposes. There were 51 attendees who signed in to the open house, but more were in attendance that did not sign in. Of those attendees, 13 completed surveys. Follow-up information with requested studies was provided to 8 people via email and mail. More statistics can be found in the attached summary. The sign-in sheet and survey responses are attached in Appendix B.

During the public meeting, four Prowind staff members and a consultant from M.K. Ince & Associates Ltd. were available to record and respond to questions, comments or suggestions from the public. Comments from the public and answers provided were recorded and are summarized in Appendix B.

5.1.2. Follow-up

The general reaction to the wind farm information was generally positive. Most of the attendees came to the meeting to seek information about wind energy in general and about the project design specifically. Attendees were generally seeking details on rationale for the project, timeline and the potential for impact on daily life. The response to wind development appeared to be generally supportive, without concerns or complaints specific to the development of wind farm. There were many requests for turbine positions; this information was not available at the time of the meeting.

Attendees from municipal government, media and neighbouring communities were present at the meeting. Several of the participating project landowners also attended in support of the public consultation process.

All indications were that the event was sufficiently well attended, and that the facility was appropriate for the nature and scope of this meeting.

5.2. INITIAL PUBLIC MEETING IN TOWNSHIP OF SOUTH DUNDAS UNDER O. REG 359/09

As indicated in Section 5.1, an earlier public meeting for this project was carried out under requirements of O. Reg 116/01 of the *Environmental Assessment Act*. Upon adoption of the Green Energy Act and associated Renewable Energy Approval process, Prowind met with the MOE to request that the open house held in January 2009 be counted toward REA requirements for this project. After review, the MOE determined that they would not credit this first public open house toward the REA.

Under the O. Reg 359/09, an initial public meeting for the South Branch Wind Farm was held in August 2010. A summary of meeting details is presented below.

5.2.1. Meeting Summary

The initial open house was advertised in the Morrisburg Leader newspaper on two separate dates, both more than 30 days prior to the meeting. Details of this Notice were described in section 4.3 above.

Meeting Date:	Wednesday, August 11, 2010
Time:	6:00 to 9:00pm
Location:	Matilda Hall, 4421 County Rd 16, Dixon's Corners, Ontario

The meeting was held in an open house format, with posters and other informational printed material on display and developer staff on-hand to answer questions. The posters provided an introduction to the company and a history of the development of South Branch Wind Farm. Other posters gave detail on the mechanics and history of wind power, wind energy analysis, environmental assessment and considerations, project specific details, including the scope of the project area, and an estimated development timeline.

Aerial imagery of the project area was available as well. All posters are attached in Appendix C and were posted to the project website after the meeting for those who could not attend.

Sign-in sheets and survey forms were placed at a table at the entrance for attendees upon arrival. The South Branch Wind Farm Draft Project Description Report dated June 30, 2010 was available in hard copy for public review on a display table. Project information handouts, company information handouts and wind energy and agriculture handouts were placed at a side table. Various wind energy studies were placed on a side table for reference purposes. There were 21 attendees who signed in to the open house, but more were in attendance that did not sign in. Of those attendees, 2 completed surveys. Follow-up information with requested studies was provided to 2 people via letter mail. Additional information, sign-in sheet and survey responses are attached in Appendix C.

During the public meeting, four Prowind staff members and a consultant from M.K. Ince & Associates Ltd. were available to record and respond to questions, comments or suggestions from the public. Comments from the public and answers provided were recorded and are summarized in Appendix C.

5.2.2. Follow-up

The general reaction to the wind farm information was again generally positive. The meeting content was predominantly similar to the earlier open house. Several attendees came to the

meeting to seek information about wind energy in general and about the South Branch project design specifically. Attendees were generally seeking details on rationale for the project, timeline and the potential for impact on daily life. The response to wind development appeared to be generally supportive, without concerns or complaints specific to the development of South Branch Wind Farm. There were many requests for turbine positions, but this information was not available for discussion at the time of the meeting.

Attendees from local government, media and neighbouring communities were present at the meeting. Several of the participating project landowners also attended in support of the public consultation process.

All indications were that the event was sufficiently well attended, and that the facility was appropriate for the nature and scope of this meeting.

5.2.3. Modifications to Project Design/REA from Meeting Feedback

Written and verbal feedback from the meeting was neutral to positive and no changes were requested or necessary after this meeting. No modifications to the project design or REA were made as a result of this public meeting.

5.3. Publication of Draft REA Reports

Draft reports prepared for the Renewable Energy Approval were published July 31, 2011 on the project website and were thereafter available for download. Printed copies were also made available at the following locations:

- Township of South Dundas Municipal Office, 4296 County Road 31, Williamsburg
- Township of Edwardsburgh/Cardinal Municipal Office, 18 Centre Street, Spencerville

Notification details are described in Section 4.4. The publication of these REA reports was completed more than 60 days prior to the final public meeting for the South Branch Wind Farm. This Draft REA package included complete versions of the following reports, each dated July 30, 2011. Except where noted, these reports were DRAFT Version 1.0:

Project Description Report (DRAFT Version 3.0)
Water Assessment Report
Natural Heritage Assessment Report
Archaeological and Heritage Resources Assessment Report
Design and Operations Report
Construction Plan Report
Decommissioning Plan Report
Turbine Specification Report
Abutting Property Assessment Report

Reports remained available for review throughout the 60-day review period, either by download from the project website, in hard copy reference at local municipal offices, and upon request from Prowind staff.

5.3.1. Feedback on Draft REA Reports

Prowind staff received various forms of feedback regarding the published Draft REA reports. The main points of each set of comments are summarized below. The detailed correspondence from each respondent and in some cases Prowind's response, can be found in Appendix D.

TABLE 4 SUMMARY OF FEEDBACK ON DRAFT REA REPORTS

Stakeholder	Comments
Provincial Government	
MNR reviewed *Natural Heritage Assessment Report* primarily	2011/09/26 - Identify proximity of natural features to wind farm infrastructure in table and map - Remove references to Species at Risk - Wetland table from Appendix C is required - Was snake hibernacula considered? - Consistency in wetland labeling - Remove altered meadow from table - Include maps in App A and increase clarity of existing maps - Include begin/end times for EOS - SWH does not apply to "uncommon characteristics" - Address turtle overwintering habitat - Indicate CSWH that is N/A - Change reference from NHRM to NHAG and apply criteria from NHAG - Economic and social values of woodland does not apply to project - Change description of silver maple deciduous swamp - Include dates of survey in table 13 - Include amphibian point count location map – some are considered significant - Only observed active osprey nests are considered SWH - Speak to presence/absence of raptor nests - Interior forest bird breeding habitat is not applicable, but open country habitat is applicable - Assume snapping turtle habitat is significant 2011/10/24 - Remove bat migration from site investigation table. - Include dates and times of EOS - Waterfowl stopover aquatic vs. terrestrial are reversed in mapping - No additional preconstruction bird surveys are required - Results of discussion with local landowners regarding waterfowl surveys - Remove references to SAR - Canada Goose is migratory - Contact E. Thompson regarding SAR - Post-construction monitoring requires scientific collectors permit each year of monitoring Post-Construction Monitoring Plan - Remove rain as deterrent for monitoring - Bat monitoring should be conducted until Oct 31 - Request that certain species of bats be sent away for study regarding white nose syndrome

Stakeholder	Comments
	- Searcher efficiency should not place more than 3 carcasses at a time - Contingency plan should be improved regarding mortality thresholds, consideration to species distribution and composition - Additional years of monitoring when mitigation measures have been applied - Mitigation for bat mortality should include increasing cut-in speed to 5.5 m/s or feathering blades when below 5.5 m/s - If mortality threshold for bats is reached, mitigation applies to entire project are for duration of project - Address how mortalities will be handled - Submit raw data to wind energy bird and bat monitoring database
MTC reviewed *Archaeology and Heritage Assessment Reports* only	Stage 1 and 2 Archaeology Assessment Report – 2011/09/09 - No further work is required Heritage Assessment Report – 2011/08/09 - Remove detailed information related to the archaeological context from the report. Section 8.0 References should also be revised to reflect that this information has been removed from the report. - For each potential heritage resources identified as having cultural heritage value or interest, revise the entries in Table to include a summary of all cultural heritage values as a reflection of the criteria from O. Reg. 9/06. - Section 6.3 Impact Evaluation of CHVI Resources needs to be expanded to include a definition of the different types of potential impacts, along with a methodology of how impacts were evaluated. The report must consider all possible project impacts, this includes any impacts that may occur as a result of the construction, operation, and decommissioning of the renewable energy project. It is recommended that the revised report include visual aids to show how viewscapes/viewsheds will or will not be impacted by the proposed project. - Additional physical and contextual values should be considered and included in Table 2 in section 6.4.2 Identification and Evaluation of Local CHLs, so that the evaluation reflects all criteria included in O. Reg. 9/06. - Provide an evaluation and statement of the cultural heritage value or interest of the settles of Brinston, Dixons Corners and Hulbert. - Ensure that the information provided in Table 1 and the Appendix is consistent. - Make the remaining suggested editorial and citation revisions included in the comments above. 2011/08/31 - Provide a brief statement of cultural heritage value, along with a description of heritage attributes for the heritage resources (built heritage resources and cultural heritage landscapes) identified in the report. - Provide further assessment, analysis and clarification in the sections related to project impacts on built heritage resources and cultural heritage landscapes, as suggested and discussed above. - Make the remaining suggested editorial and citation revisions

Stakeholder	Comments
	included in the comments above. 2011/09/07 - The Ministry is satisfied with recommendations outlined in report.
Local Authorities	
South Nation Conservation M. Leblanc Received July 8, 2011	- Permit is required from SNC for any work within 15 m of regulated area (watercourse, floodplain, etc.) - Stockpiling of materials should be outside of floodplain area - Wash water ponds should be located outside of floodplain - SNC should be consulted for design of culverts, discharge ponds, mitigation measures - Be aware of timing restrictions on in-water work for sensitive fish spawning of rearing (March 15 – July 1) - Fish habitat should be addressed in the NHAR - Consultation with SNC should be part of mitigation measures in Construction Plan Report - Discharged water should be directed away from open watercourses
TEC/UCLG D. McKinstry, M. Wildman Meeting Feb 28, 2011 and Aug 24, 2011	- Roadway usage (Byker and Pitt) - Mitigation of road damage - Maintenance agreement btw TEC and TSD - Entrance permit will be required - Risk of ice throw on Byker Road
UCSDG J. Sullivan, M. Otis, B. de Haan TSD H. Garlough, S. Byvelds, D. Lewis Meeting March 8, 2011	- Emergency contact information - Road upgrades - Overhead cables are preferred along Gilmour Rd/Glen Stewart Rd. - Information facility for tourists - Year round access for Byker Road - Road agreement btw TSD and TEC - Snow removal is Prowind's responsibility - Access to T12 & 13 is unopened road allowance - Permits are necessary where cables cross roadways - Cables bored under roads should be setback full width of road allowance - Information on changes to drainage patterns - Railroad crossing should be avoided when delivering turbine equipment - Turning radii should be removed after construction - Entrance permits will be required - Potential for road damage agreement btw Prowind, TSD and SDG? - Additional info on overhead lines and pole locations - No noise bylaw in effect - Observe load restrictions on roads in spring
Community Members	
J. Wilson Received Sept 28, 2011	- Choice of newspaper for public notices - Early access to REA by Municipalities - Accessibility of REA - Human health impacts from noise and low frequency noise - Appropriateness of setback - Methodology of pre-construction bird surveys - Lack of turbine model selection - Exclusion of substation from noise monitoring - Lack of detailed emergency preparedness plan

Stakeholder	Comments
B. Albers Received Sept 28, 2011	- Choice of newspaper for public notices - Public meetings in Township of Edwardsburgh/Cardinal - Format of public meetings - Accessibility of Draft REA - Lack of turbine model selection - Bird observer credentials - Carcass searching protocol - Risk from ice throw - Resolution protocol for noise complaints - Resolution protocol for telecom complaints - Shadow flicker impacts - Exclusion of substation from noise monitoring - Construction hours - Lack of routing for construction/delivery equipment - Decommissioning costs

5.3.2. Updates to REA Reports Resulting from Feedback

Several sections of the REA reports were updated as a result of feedback received from stakeholders reviewing the draft REA reports.

TABLE 5 UPDATES TO REA REPORTS BASED ON FEEDBACK

Feedback Item	Update Made	Reference
Choice of newspaper for public notices	Future public notice were also sent out in the Prescott Journal and Kemptville Advance	Consultation Report, Section 4.5
Public meetings in Township of Edwardsburgh/Cardinal	Two meetings were held in TEC	Consultation Report, Section 5.5 and 5.7
Format of public meetings	Held meetings with Questions and Answer panel instead of standard Open House	Consultation Report, Section 5.6 and 5.7
Bird observer credentials	Added credentials to report	Natural Heritage Assessment Report, Appendix H
Risk from ice throw	Hired specialized consultant to prepare Ice Throw Report and incorporated results into assessment documents.	Design and Operations Report, Appendix G
Construction hours	Surveyed public regarding preferred construction hours at open house and updated reports with this feedback. Original construction times were 7:00 to 22:00. Updated reports state activities producing high levels of noise will be contained within the hours of 8:00 and 20:00.	Various
Stockpiling of materials should be outside of floodplain area	Soil stockpiles were moved to be located outside of floodplain	Construction Plan Report, Appendix A
Be aware of timing restrictions on in-water work for sensitive fish spawning of rearing (March 15–July 1)	Restriction was added to Construction Plan Report	Construction Plan Report, various references
Wash water ponds should be located outside of floodplain	Wash water ponds were moved to be located outside of floodplain	Construction Plan Report, Appendix A
Overhead cables are preferred along Gilmour Rd/Glen Stewart Rd	Overhead cables were selection as the only option for this cable route going forward	Various
Various requests from MNR regarding the Natural Heritage Assessment Report were requested as outlined in Table 3.	All changes requested by MNR were adopted.	Natural Heritage Assessment Report, various references.
Various requests from MTC regarding the Archaeology and Heritage Resources Assessment Report were requested as outlined in Table 3.	Various changes were made to Archaeology and Heritage Resources Assessment Report based on extensive consultation with the MTC.	Archaeology and Heritage Resources Assessment Report, various references.

5.4. SECOND PUBLIC MEETING

A public meeting for South Branch Wind Farm under O. Reg 359/09 was held on September 29, 2011. This meeting was originally scheduled to be our final public meeting, but approval letters had not been received from commenting agencies at the time of posting the REA

publicly, so additional meetings were deemed necessary. The public meeting went ahead as planned to provide additional public consultation and to gage the community feedback at this point in the project.

Details of the notification for this event were described in section 4.4. These notices provided the community over 60 days advance notice of the meeting and ensured that the message was delivered to a broad audience. The Notice was also hand delivered to residences in the area surrounding the proposed South Branch Wind Farm.

Meeting Date:	Thursday, September 29, 2011
Time:	6:00 to 9:00pm
Location:	Matilda Hall, 4421 County Rd 16, Dixon's Corners, Ontario

This public meeting involved a series of posters outlining and providing detailed information pertaining specifically to the results of environmental impact assessments and design of the South Branch Wind Farm. Information was provided in written and poster format with copies of the full Draft REA report package on-hand. Detailed maps showing the proposed project layout for all project infrastructure including: turbines, electrical cabling, access roads and the substation were available for review, along with anticipated timelines for permitting, construction and commissioning.

Aerial imagery of the project area was available as well, along with 2-D visual demonstrations of the constructed wind farm and images showing noise and visual impact assessment results. All materials presented at the open house were made available on the Prowind website for those who could not attend. Copies of the posters are provided in Appendix D.

Sign-in sheets and survey forms were placed at a table at the entrance for attendees upon arrival. Project information handouts, company information handouts and wind energy and agriculture handouts were placed at a side table. Two printed copies of the draft REA reports were on-hand for reference purposes, along with various wind energy studies and other reference materials.

There were 31 attendees who signed in to the open house, but more were in attendance that did not sign in. Of those attendees, 1 completed a survey. Follow-up information with requested studies was provided to 1 person via email. Further comments were received after the open houses via email and a response was provided via email. More statistics can be found in the attached summary. The sign-in sheet and survey responses are attached.

Prowind staff members and three consultants were available to respond to questions, comments or suggestions from the public. Comments from the public and answers provided were recorded and are summarized in Appendix D.

5.5. Initial Public Meeting in Township of Edwardsburgh/ Cardinal

An initial public meeting for South Branch Wind Farm in the Township of Edwarsburgh/Cardinal under O. Reg 359/09 was held on December 12, 2011. This meeting was held at this stage in the project because it was originally discussed, through consultation with the Township of Edwardsburgh/Cardinal, that the meeting in Dixon's Corners would

potentially be sufficient due to the proximity to the project. Only one of the fourteen turbines in the South Branch Wind Farm is proposed within the Township of Edwardsburgh/Cardinal. The community of Dixon's Corners is approximately 8.5 km from the turbine in TEC and whereas Spencerville is approximately 10 km from the turbine.

However, subsequent consultation with Edwardsburgh/Cardinal indicated that an approach in accordance with Reg 359/09 is preferable. O.Reg 359/09 states that a public meeting must be held in any and all municipal jurisdictions in which the wind farm is proposed.

Details of the notification for this event were described in section 4.4. These notices provided the community over 30 days advance notice of the meeting and ensured that the message was delivered to a broad audience. The Notice was also hand delivered to residence mailboxes in the area surrounding the proposed South Branch Wind Farm.

Meeting Date:	Monday, December 12, 2011
Time:	6:00 to 9:00pm
Location:	Drummond Building, 22 Ryan St., Spencerville, Ontario

This public meeting involved a series of posters outlining and providing detailed information pertaining specifically to the results of environmental impact assessments and design of the South Branch Wind Farm and wind energy in general. Information was provided in written and poster format with copies of the Draft REA report package on-hand. This included the South Branch Wind Farm Draft Project Description Report dated July 30, 2011 available in hard copy for public review on a display table. Detailed maps showing the proposed project layout for all project infrastructure including: turbines, electrical cabling, access roads and the substation were available for review, along with anticipated timelines for permitting, construction and commissioning.

Aerial imagery of the project area was available as well, along with 2-D visual demonstrations of the constructed wind farm and images showing noise and visual impact assessment results. All materials presented at the open house were made available on the Prowind website for those who could not attend. Copies of the posters are provided in Appendix E1.

Sign-in sheets and survey forms were placed at a table at the entrance for attendees upon arrival. Project information handouts and report reference handouts were placed at a side table. Two printed copies of the draft REA reports were on-hand for reference purposes, along with various wind energy studies and other reference materials.

There were 21 attendees who signed in to the open house, but more were in attendance that did not sign in. Of those attendees, 12 completed a survey. Follow-up information with requested studies was provided to 7 people via email and 2 people via mail. Further comments were received after the open houses via mail and a response was provided via email. More statistics can be found in the attached summary. The sign-in sheet and survey responses are attached.

Prowind staff members and two consultants were available to respond to questions, comments or suggestions from the public. Comments from the public and answers provided were recorded and are summarized in Appendix E1.

5.6. FINAL PUBLIC MEETING IN TOWNSHIP OF SOUTH DUNDAS

The final public meeting for South Branch Wind Farm in the Township of South Dundas under O. Reg 359/09 was held on January 10, 2012.

Details of the notification for this event were described in Section 4.4. These notices provided the community over 60 days advance notice of the meeting and ensured that the message was delivered to a broad audience. The Notice was also delivered via Canada Post to residences in the area surrounding the proposed South Branch Wind Farm.

Meeting Date:	Tuesday, January 10, 2012
Time:	6:00 to 9:00pm
Location:	Matilda Hall, 4421 County Rd. 16, Dixon's Corners, Ontario

This public meeting included two parts – an open house informational poster session and a question and answer panel. The agenda for the evening was as follows:

6:00 pm – 7:00 pm: Open house informational poster session

7:00 pm – 9:15 pm: Question and Answer panel

The open house informational poster session was conducted for one hour at the opening of the public meeting in a manner similar to previous open houses. This provided opportunity for those not familiar with the project to gain some background knowledge prior to the Q&A session. The open house poster session involved a series of posters outlining and providing detailed information pertaining specifically to the results of environmental impact assessments and design of the South Branch Wind Farm. Information was provided in written and poster format with copies of the Draft REA report package on-hand. Detailed maps showing the proposed project layout for all project infrastructure including: turbines, electrical cabling, access roads and the substation were available for review, along with anticipated timelines for permitting, construction and commissioning.

Aerial imagery of the project area was available as well, along with 2-D visual demonstrations of the constructed wind farm and images showing noise and visual impact assessment results. Copies of the posters are provided in Appendix E2.

The Question and Answer panel involved four panel members to answer questions from the community regarding the South branch Wind Farm. The panel members were:

Jeffrey Segal – Prowind Canada President

Juan Anderson – Prowind Canada Project Developer

Rochelle Rumney – Prowind Canada Environmental Coordinator

Dr. Loren Knopper – Senior Scientist at Intrinsik Environmental Sciences Inc.

The panel was moderated by Randi Rahamim, Vice President of Bridgepoint Group Ltd.

The three Prowind Canada staff members were able to address questions regarding project layout, construction, operation, previous field studies, post-construction field studies, decommissioning, etc.

Dr. Loren Knopper was brought in as a third party consultant on wind turbines and health impacts. He, along with his colleague Dr. Chris Ollson, recently published a paper in the journal Environmental Health titled *"Health effects and wind turbines: A review of the literature".* Dr. Knopper has done extensive review of the global body of research on the subject of health impacts and wind turbines and is familiar with the research that is available around the world and is familiar with the research that is available around the world. Due to concerns about health impacts raised at previous public meetings, Prowind felt that providing an expert on this issue would be beneficial to the community and their concerns on this topic.

Questions for the panel were requested in advance to ensure enough time was allotted to answer all the questions. Advanced questions were requested 6 days prior to the public meeting. An advertisement was placed in three local papers, and emailed to the stakeholder list reminding the community of the upcoming meeting, presenting the agenda for the meeting and requesting advanced questions for the panel.

An additional reminder email was emailed to the stakeholder list 24 hours prior to the meeting to present the same information as noted above and again requesting advanced questions.

During the Q&A panel, questions from the floor were taken in written format between pre-submitted questions. Questions from the floor were submitted on sheets of paper provided to attendees that were handed to a meeting staff member and given to the moderator. Questions were read by the moderator and addressed by the appropriate panel member(s).

Sign-in sheets and survey forms were placed at a table at the entrance for attendees upon arrival. Project information handouts and report reference handouts were placed at a side table. Two printed copies of the Draft REA reports were on-hand for reference purposes, along with various wind energy studies and other reference materials.

There were 50 attendees who signed in to the open house, but more were in attendance that did not sign in, a head-count near peak attendance during the Q&A session indicated approximately 70 attendees at that time. Of the attendees, 1 completed a survey. More statistics can be found in the attached summary. The sign-in sheet and survey responses are attached as Appendix E2.

Comments received in advance and during the meeting were recorded along with the answers provided. The transcript from the meeting can be found in Appendix E2.

5.7. Final Public Meeting in Township of Edwardsburgh/ Cardinal

The final public meeting for South Branch Wind Farm in the Township of Edwardsburgh/ Cardinal under O. Reg 359/09 was held on January 11, 2012.

5.7.1. Meeting Details

Details of the notification for this event were described in Section 4.4. These notices provided the community over 60 days advance notice of the meeting and ensured that the message was delivered to a broad audience. The Notice was also delivered via Canada Post to residences in the area surrounding the proposed South Branch Wind Farm.

Meeting Date:	Wednesday, January 11, 2012
Time:	6:00 to 9:00pm
Location:	Drummond Building, 22 Ryan St., Spencerville, Ontario

This public meeting included two parts – an open house informational poster session and a question and answer panel. The agenda for the evening was as follows:

6:00 pm – 7:00 pm: Open house informational poster session

7:00 pm – 9:00 pm: Question and Answer panel

5.7.2. Poster Session

The open house informational poster session was conducted for one hour at the opening of the public meeting in a manner similar to previous open houses. This provided opportunity for those not familiar with the project to gain some background knowledge prior to the Q&A session. The open house poster session involved a series of posters outlining and providing detailed information pertaining specifically to the results of environmental impact assessments and design of the South Branch Wind Farm. Information was provided in written and poster format with copies of the Draft REA report package on-hand. Detailed maps showing the proposed project layout for all project infrastructure including: turbines, electrical cabling, access roads and the substation were available for review, along with anticipated timelines for permitting, construction and commissioning.

Aerial imagery of the project area was available as well, along with 2-D visual demonstrations of the constructed wind farm and images showing noise and visual impact assessment results. Copies of the posters are provided in Appendix E3.

5.7.3. Question and Answer Panel

The question and answer panel involved four panel members to respond to questions from the community regarding the South Branch Wind Farm. The panel included:

Jeffrey Segal – Prowind Canada President

Juan Anderson – Prowind Canada Project Developer

Rochelle Rumney – Prowind Canada Environmental Coordinator

Dr. Loren Knopper – Senior Scientist at Intrinsik Environmental Sciences Inc.

The panel was moderated by Ms. Randi Rahamim, Vice President of Bridgepoint Group Ltd.

The three Prowind Canada staff members were able to address questions regarding project layout, construction, operation, previous field studies, post-construction field studies, decommissioning, among other queries.

Dr. Loren Knopper was brought in as a third party consultant on wind turbines and health impacts. He, along with his colleague Dr. Chris Ollson, recently published a paper in the journal Environmental Health titled *"Health effects and wind turbines: A review of the literature".* Dr. Knopper has done extensive review of the global body of research on the subject of health impacts and wind turbines and is familiar with the research that is available around the world and is familiar with the research that is available around the world. Due to concerns about health impacts raised at previous public meetings, Prowind felt that

providing an expert on this issue would be beneficial to the community and their concerns on this topic.

Questions for the panel were requested in advance to ensure enough time was allotted to answer all the questions. Advanced questions were requested 7 days prior to the public meeting. An advertisement was placed in three local papers, and emailed to the stakeholder list reminding the community of the upcoming meeting, presenting the agenda for the meeting and requesting advanced questions for the panel.

An additional reminder email was emailed to stakeholder list 48 hours prior to the meeting to present the same information as noted above and again requesting advanced questions. Questions that were received at previous open houses and via email were included as well.

During the Q&A panel, questions from the floor were taken in written format between pre-submitted questions. Questions from the floor were submitted on sheets of paper provided to attendees that were handed to a meeting staff member and given to the moderator. Questions were read by the moderator and addressed by the appropriate panel member(s).

Due to the small meeting turnout, some question and answer dialogue was done verbally between the audience and the panel. In general, questions were asked through the moderator and follow up questions were asked directly to the panel from the audience. This allowed for some open dialogue and discussion.

Comments received in advance and during the meeting were recorded along with the answers provided. The transcript from the meeting can be found in Appendix E3.

5.7.4. Meeting Materials and Set-up

Sign-in sheets, survey forms, Prowind Canada contact information, public meeting notice (with map) and project information handouts were placed at a table at the entrance for attendees upon arrival. A Prowind representative was stationed here to welcome attendees and encourage signing-in and to take a survey. Wind energy studies and reports and reference material handouts were placed at table situated in the middle of the poster presentation area. Two printed copies of the Draft REA reports were on display on a table situated in the middle of the poster presentation area.

Chairs were set up to the side of the poster presentation are for the question and answer panel discussion. The panel sat facing the audience. The moderator was off to one, facing the between the audience and the panel.

There were 15 attendees who signed in to the open house, but more were in attendance that did not sign in. No surveys were completed and no follow up information was requested. The sign-in sheet is attached.

5.8. ADDITIONAL CONSULTATION

5.8.1. Project Mailing List

Prowind maintains an email distribution list with contact information for all stakeholders who have requested information about the South Branch Wind Farm and have agreed to be part of our periodic mailing. Separate lists are maintained for each project in attempt to

reduce email clutter, and no names or addresses are ever divulged to external parties so as to protect privacy.

Prowind endeavours to respond to all email inquiries about the South Branch Wind Farm within a reasonable timeframe, depending on the nature of the question. Email communications throughout the life of the project have been recorded and are presented in Appendix F of this report.

In addition, Prowind periodically provides updates on the project status and announcements of upcoming events or publications to our project distribution list. This serves as an effective and efficient way to distribute project detail to our known stakeholders. Copies of these updates are presented in Appendix F.

5.8.2. Newsletter Publications

In addition to the email distribution list, printed materials are also distributed to the residents neighbouring the project area. This was done to ensure that those in the immediate area of the project are aware of project status and how to contact Prowind if they have questions or comment. Copies of delivered notices are also presented in Appendix F.

Since the installation of the meteorological tower near Brinston in May 2007, the community has been aware of project activities. On several occasions over the course of the project life cycle, Prowind has provided information to media and local organizations seeking answers to questions about the South Branch Wind Farm on an individual basis.

A South Branch Wind Farm Community Update newsletter was sent out to address some of these comments and questions to a wider audience in May 2011. This provided an update on the timeline, and projected timing of future project events, updates on project activity and some information on wind energy in general.

The newsletter was emailed to the stakeholder and agency contact list and delivered via Canada Post to the local area. The newsletter can be found in Appendix F.

5.9. UPDATES TO REA CONTENT IN RESPONSE TO PUBLIC FEEDBACK

In addition to the comments and updates outlined in tables 2 and 3 of this report, the table below outlines some comments and questions from the public. These public responses were received during the public open houses and/or via email.

TABLE 6 SUMMARY OF CHANGES TO THE REA BASED ON PUBLIC FEEDBACK

Comment	REA Update	Report Reference
Ice throw from turbines is a safety concern	A specialized consultant prepared an Ice Throw Report to address the risk of ice throw	The report is attached to the Design and Operations report, Appendix G and discussed in Section 3.6
The Open House Meeting format does not provide information to the group	Several members of the public requested a different style of public meeting. The final meetings for both municipalities were Q&A panels to talk to the whole group	The set-up and results of these meetings are presented in sections 5.6 and 5.7 of this report.
Various health concerns	A published author on wind turbines and health effects was enlisted for the final public meetings to address public questions and concerns	The set-up and results of these meetings are presented in sections 5.6 and 5.7 of this report.

6. CONSULTATION WITH MUNICIPALITIES AND OTHER LOCAL AUTHORITIES

6.1. MUNICIPALITY AND LOCAL AUTHORITY CONTACTS

As can be seen in Figure 2, the South Branch Wind Farm is situated within two eastern Ontario Townships, each within a separate County: the Township of Edwardsburgh/Cardinal (TEC) in the United Counties of Leeds & Grenville (UCLG) and the Township of South Dundas (TSD) in the United Counties of Stormont, Dundas & Glengarry (SD&G).

The vast majority of the project infrastructure lies within TSD. Turbine 1, its access road and buried electrical cabling west of Byker Road are within TEC. Byker Road itself is shared jurisdiction to both Townships.

Municipal contacts for these jurisdictions were notified of project events as recipients of the Stakeholder Notices described in Section 4.

The Proponent has been diligent about keeping municipal leaders aware of activities and status over the course of this project. In-person meetings have been held on several occasions with SDG and TSD staff. Staff comments on the proposed project that were provided prior to the publication of Draft REA reports were incorporated into project design.

6.2. MUNICIPAL CONSULTATION FORM

The Municipal Consultation Form was delivered to the Township and County clerks for distribution among their respective Councils. This delivery occurred on January 4, 2011 and was provided along with the draft REA Report package.

The draft REA reports served to provide the necessary details including those in the list below. The appropriate section, or sections of the REA were indicated for each major detail.

TABLE 7 INFORMATION PROVIDED FOR MUNICIPAL CONSULTATION

Detail Requested	REA Section
Boundaries of the property or properties on which the facility will be located;	Draft Project Description Report, Table 4
Project Phasing (outline construction, operation and decommissioning activities)	See Draft Project Description Report, Section 4.4 for overview. For a more detailed description of each phase, see Draft Construction Plan Report, Draft Design and Operations Report, and Draft Decommissioning Plan Report respectively.
Environmental Context - Describe any negative environmental effects that may result from engaging in the project	See Draft Natural Heritage Assessment Report and Draft Water Assessment Report for effects on environmental components or see the Draft Construction Plan Report, Draft Design and Operations Report and Draft Decommissioning Plan Report for effects related to the relevant project phase.
Renewable Energy Generation Facility	30MW Wind Facility (Land Based). The South Branch Wind Farm will use up to 15 wind turbine generators to convert the kinetic energy of the wind into electrical energy, which will be connected to the local Hydro One distribution grid. A final turbine model has not been selected, but each wind turbine will be a maximum of 3 MW, 140 m hub height, 116 m rotor diameter. There is a possibility that a subset of the 15 turbines will be used if a turbine with a nameplate capacity greater than 2.0 MW is chosen.
Renewable Energy Generation Activities	See Draft Project Description Report, Section 4.4

Complete drafts of the following reports were provided along with the Municipal Consultation Form. All reports are dated November 30, 2010.

Project Description Report (Draft Version 2.0)
Design and Operations Report
Construction Plan Report
Decommissioning Report
Natural Heritage Assessment Report
Water Assessment Report
Turbine Specifications Report
Abutting Property Assessment Report

Section 6.3 provides a summary of the feedback from municipal reviewers and the resulting updates to project design and report content. Completed Municipal Consultation Forms were obtained from each of the upper tier municipalities and one lower tier municipality on the following dates:

United Counties of Stormont, Dundas and Glengarry - August 9, 2011

United Counties of Leeds & Grenville - September 1, 2011

Township of South Dundas - March 16, 2012

Township of Edwardsburgh/Cardinal - March 20, 2012

These completed forms can be found in Appendix G.

Comments received in the Municipal Consultation Form are summarized in the table below.

TABLE 8 SUMMARY OF COMMENTS FROM MUNICIPAL CONSULTATION FORMS

Municipality	Comments
United Counties of Leeds and Grenville	None
United Counties of Stormont, Dundas and Glengarry	- Ongoing consultation required to determine transportation routes - Precondition survey of road/ditch/drain conditions required; security deposit may be required - Entrance permits required - Temporary access widening is required to be removed after construction - Respect load restrictions (Feb – May) - Ensure adequate erosion and sediment control measures are in place - Buried cable to be registered with Ontario One Call - Construction within County ROW requires approval - Setback permit required if structure within 45 m of County road centerline - Turbine should avoid floodplain
Township of South Dundas	- Ongoing consultation required to determine transportation routes - Precondition survey of road/ditch/drain conditions required; security deposit required - Municipal road entrance permits required - Drainage works shall respect fisheries work timing periods - Manager of Public Works shall determine appropriate construction periods - Proponent to erect signage in accordance with Ontario Traffic Manual due to increased traffic during construction - May be issues with sightlines at site entrances - Byker Road is seasonally maintained - Traffic management plan required - Ensure adequate erosion and sediment control measures are in place - Municipal infrastructure will be returned to as good as or better than existing - Substation should aesthetically pleasing - Fire safety to be discussed with fire dept. - Icing protocol for specific turbine to be provided - All easements to be registered at municipal office - Electronic GIS of wind farm layout to be submitted to municipality - Buried cables to be marked with signs - Civic number required for each turbine - Provide specs for buried cable - Utility within municipal ROW will require approval - Buried cable to registered with Ontario One Call - Municipal setbacks required to meet all applicable laws - Municipal drain engineer's reports will require amendment re. access

	roads and buried cable - Turbines must be outside floodplain
Township of Edwardsburgh/Cardinal	- Ongoing consultation required to determine transportation routes - Precondition survey of road/ditch/drain conditions required; security deposit required to be held by Twshp of South Dundas - Municipal road entrance permits required - Temporary access widening is allowed and required to be removed after construction and restored to Township satisfaction - Manager of Public Works shall determine appropriate construction periods - Proponent to erect signage in accordance with Ontario Traffic Manual due to increased traffic during construction - May be issues with sightlines at site entrances - Byker Road may not be able to accommodate construction traffic in its current state; upgrades are at the cost of the proponent - Traffic management plan required - Ensure adequate erosion and sediment control measures are in place - Municipal road ditches shall be protected - Municipal infrastructure will be returned to as good as or better than existing - Fire safety to be discussed with fire dept. - Municipality is not prepared to accept any risk from ice throw from Turbine 1 along Byker Road or ROW. - All easements to be registered at Land Registry Office No. 15. - Electronic GIS of wind farm layout to be submitted to municipality - Buried cables to be marked with signs - Civic number required for turbine - Utility within municipal ROW will require approval - Buried cable to registered with Ontario One Call - Municipal setback clearance permits will be required and proponent must adhere to all laws - Permit fees will be charged as per applicable law, including Building Code Act, Green Energy Act and local by-laws

All of the above issues have been discussed between the proponent and the municipalities via in-person meeting, email and phone correspondence. Please see the Correspondence Logs in Appendix G for details of correspondence. Consultation with the municipalities will continue after the REA has been submitted to the MOE and throughout the construction, operation and decommissioning period of the wind farm.

6.3. DRAFT REA REPORT CIRCULATION

A copy of the draft REA report submission was delivered to municipal contacts on January 4, 2011, along with the Municipal Consultation Form. Additional drafts were submitted on July 31, 2011 and November 4, 2011.

6.3.1. Township of South Dundas/United Counties of Stormont, Dundas and Glengarry

A meeting with SD&G and TSD staff was held on March 8, 2011 to solicit feedback on the Draft REA. Prowind staff members Catherine Weston and Juan Anderson were present to field questions. Meeting notes are presented in Appendix G1. Feedback from this meeting was captured in the updated REAs as more detail presented within the Construction and Design and Operations report pertaining to timing and nature of shared road use agreements, the impact of construction activities on the surrounding community. Generally,

neither TSD nor SD&G provided feedback that resulted in an alteration of the scope or design of the project.

Updated REA reports, including expanded scope of field surveys and design updates were presented on July 31, 2011.

6.3.2. Township of Edwardsburgh/Cardinal

Prior to provision of Draft REA documents, Prowind staff met with TEC staff to share details of early project design and plans, and to obtain feedback on the project from the Township. Staff members Bart Geleynse and Juan Anderson attended meetings at TEC offices on June 16, 2010 with CAO Russell Trivet and on August 11, 2010 with CAO Russell Trivet and Mayor Dishaw.

Prowind presented the preliminary project design during both meetings, including an early draft of the proposed turbine layout. TEC was advised that some of the 15 proposed turbine positions might not be built, and that if Turbine 1 was removed from project plan, the project would not have physical presence in TEC beyond Byker Road.

Township staff indicated their consent could be granted in regard to that the Developer would not be required to hold additional public meetings in TEC, so long as residents in the vicinity of the project within this Township received all invitations and notices for meetings held in neighbouring Brinston.

A third meeting with TEC staff was held on February 28, 2011 following delivery of the Draft REA reports. Prowind staff members Catherine Weston and Rochelle Rumney attended. Michael Wildman, Township CAO and Deb McKinstry attended on behalf of TEC; minutes are presented in Appendix G2.

TEC staff had reviewed the project design and focused their feedback on the infrastructure proposed to be located within TEC jurisdiction, namely Turbine 1, the access road and buried cabling for Turbine 1, as well as the shared road access along Byker Road.

The primary concern was the use of Byker Road for access to Turbines 1 to 4. Byker Road is a Township road forming the boundary between the two municipalities. The road is gravel and would need to be upgraded in order to facilitate the delivery of project components. Additionally, it is presently not maintained in the winter months.

TEC staff requested that a shared road agreement be established between all 3 parties (TEC, TSD and Prowind) such that ownership of responsibility is established for upgrading and maintaining Byker Road through Construction, Operation and Decommissioning phases of the project. This requirement is reflected in the MCL from TEC.

6.3.3. United Counties of Leeds and Grenville

Repeated attempts to reach members of UCLG were unsuccessful. United Counties of Leeds & Grenville spoke to Prowind regarding the project on August 30, 2011 during which time they expressed no concerns. The Municipal Consultation Form (MCF) was returned on September 1, 2011 and reflects the above noted conversation. . The MCF is attached in Appendix G2.

7. CONSULTATION WITH GOVERNMENT AND REGULATORY AUTHORITIES

7.1. SOUTH NATION CONSERVATION

7.1.1. Correspondence

South Nation Conservation was consulted throughout the planning process of the South Branch Wind Farm.

An introduction meeting took place on January 12, 2010 to introduce the project area and discuss needs for mapping data and required permitting. This meeting also included the discussion of another Prowind project located within the same watershed under the jurisdiction of the SNC. Prowind staff members Rochelle Rumney and Catherine Weston attended. Minutes of this meeting are attached in Appendix H1

Additional conversations via email took place regarding GIS data acquisition. These conversations are summarized in the correspondence log found in Appendix H1.

An additional in-person meeting took place on June 15, 2010 to discuss the FIT contract awarded for South Branch Wind Farm and next steps. Also discussed during the meeting were issues related to mapping, permitting and field surveys. Notes from the meeting are attached in Appendix H1.

7.1.2. Provision of Draft REA Documents

The draft South Branch Wind Farm REA was provided to SNC for review on January 4, 2011. The letter introducing the document and requesting comments is included in Appendix H1.

7.1.3. Comments received regarding Draft REA Documents

Comments regarding this the draft REA were received from Mathieu Leblanc at SNC on July 8, 2011. Comments from SNC are included in Appendix K. A summary list of comments from SNC is below:

- Permits are required for any construction within 15 m of a regulated area (watercourse, floodplain)
- Timing of in water work should be outside of sensitive fish spawning and rearing window (March 15 to July 1)
- Design of culverts and wash ponds should be reviewed by SNC for approval
- Topsoil stockpiles and settling ponds should be located outside of floodplain
- Consultation with SNC should be part of mitigation measures
- Discharged water from foundation dewatering should be directed away from watercourses

7.1.4. Updates to REA in Response to Feedback

The updates requested by SNC were adopted in the REA reporting. Much of the feedback was information on future permit requirements for work that will be necessary within the

regulation area (15 m of a watercourse or floodplain). Design of culverts and wash ponds will be sent to SNC for their review closer to the construction date.

Updates were made to all relevant reports to reference the following items:

- Timing of in-water will be completed outside of the sensitive fish spawning and rearing period of March 15 to July 1.
- Soil stockpiles and wash water ponds will be located outside the floodplain.
- SNC will be consulted for rehabilitation of natural areas if necessary.
- Any potential discharged water will be directed away from watercourses.
- Permits will be sought for work conducted within 15 m of a watercourse or floodplain (Development and/or Site Alteration within a Regulated Area)
- Design of culverts and wash water ponds will be given to SNC for review

Consultation with SNC will continue after the REA is submitted to ensure the proper permits are in place before construction.

7.1. MINISTRY OF NATURAL RESOURCES

7.1.1. Correspondence

Correspondence with the Ministry of Natural Resources (MNR) Kemptville District Branch began in 2008 when the South Branch Wind Farm was three separate 10 MW projects proposed under the Renewable Energy Standard Offer Program (RESOP). The scope of the three projects was the same at the current proposal for the South Branch Wind Farm, and the fieldwork and consultation regarding these projects was done simultaneously, due to their proximity.

With the cancellation and subsequent launch of the FIT program and REA process, consultation continued with MNR. Some requirements changed as a result of the policy update, but ongoing consultation kept both sides abreast of work required and completed.

A summary of meetings, submissions, feedback and other major consultation milestones is outlined in the table below. Appendix H2 includes a detailed consultation log between the MNR and Prowind Canada.

TABLE 9 HIGHLIGHTS OF CONSULTATION WITH MNR

Date	Event	Major Points of Consultation
May 13, 2008	Submit Notice of Commencement	
Aug 11, 2009	Meeting	Raptor monitoring, bat monitoring, SAR
Sept 18, 2009	Email	Response to ESR reports regarding Species at Risk
June 3, 2010	Submit "Info Request Form"	Request mapping and information
Aug 20, 2010	Email	Information provided regarding specialized wildlife habitat
Aug 26, 2010	Email	Mapping (pdfs) from MNR received
Dec 3, 2010	Meeting	Checklist for NHAR, SAR, Partners in Flight, SWH, Sig. woodland mapping
Dec 16, 2010	Submission of Draft REA reports for initial review	
April 7, 2011	Meeting	SWH, Wetlands, SAR
Apr 20, 2011	Email	Feedback on NHAR – ELC, OWES, bird survey details
Apr 29, 2011	Meeting	ELC, OWES, Records Review, Valleylands, Amphibian monitoring, SAR
May 3, 2011	Email	Permits under the Public Lands Act
Aug 16, 2011	SAR report submitted	
Sept 2, 2011	Meeting	NHAR review and comments, Site Investigation, EOS, SAR, EIS
Sept 26, 2011	Email	Comments on NHAR
Oct 24, 2011	Email	Comments on NHAR and EEMP
Oct 31, 2011	Confirmation letter received	

7.1.2. Provision of Draft REA Documents

The draft South Branch Wind Farm REA was provided to MNR for review on December 16, 2010. The letter introducing the document and requesting comments is included in Appendix H2.

7.1.3. Comments received regarding Draft REA Documents

The MNR focused primarily on the Natural Heritage Assessment Report (NHAR). Comments on the NHAR were received over several months via letters, emails and meetings. Initial feedback from the MNR indicated some gaps existed in the NHAR due to the newly expanded requirements of the regulation.

Several field surveys were requested by the MNR including: Ecological Land Classification, amphibian breeding surveys, Species at Risk surveys, and wetland surveys.

Below is a list of items received from the MNR regarding the updated NHAR report, once additional field studies were completed.

TABLE 10 SUMMARY OF MNR FEEDBACK ON DRAFT REA

Date	Comment
2011/09/26	- Identify proximity of natural features to wind farm infrastructure in table and map - Remove references to Species at Risk - Wetland table from Appendix C is required - Was snake hibernacula considered? - Consistency in wetland labeling - Remove altered meadow from table - Include maps in App A and increase clarity of existing maps - Include begin/end times for EOS - SWH does not apply to “uncommon characteristics” - Address turtle overwintering habitat - Indicate CSWH that is N/A - Change reference from NHRM to NHAG and apply criteria from NHAG - Economic and social values of woodland does not apply to project - Change description of silver maple deciduous swamp - Include dates of survey in table 13 - Include amphibian point count location map – some are considered significant - Only observed active osprey nests are considered SWH - Speak to presence/absence of raptor nests - Interior forest bird breeding habitat is not applicable, but open country habitat is applicable - Assume snapping turtle habitat is significant
2011/10/24	- Remove bat migration from site investigation table. - Include dates and times of EOS - Waterfowl stopover aquatic vs. terrestrial are reversed in mapping - No additional preconstruction bird surveys are required - Results of discussion with local landowners regarding waterfowl surveys - Remove references to SAR - Canada Goose is migratory - Contact E. Thompson regarding SAR - Post-construction monitoring requires scientific collectors permit each year of monitoring Post-Construction Monitoring Plan - Remove rain as deterrent for monitoring - Bat monitoring should be conducted until Oct 31 - Request that certain species of bats be sent away for study regarding white nose syndrome - Searcher efficiency should not place more than 3 carcasses at a time - Contingency plan should be improved regarding mortality thresholds, consideration to species distribution and composition - Additional years of monitoring when mitigation measures have been applied - Mitigation for bat mortality should include increasing cut-in speed to 5.5 m/s or feathering blades when below 5.5 m/s - If mortality threshold for bats is reached, mitigation applies to entire project are for duration of project - Address how mortalities will be handled - Submit raw data to wind energy bird and bat monitoring database

7.1.4. Changes to REA in Response to Feedback

Initial MNR comments on the NHAR indicated that additional field studies were necessary. Below is a summary of the requested additional field studies and where the information can be found in the final NHAR.

Ecological Land Classification

A version of this information was included in the initial draft of the NHAR, which classified the natural features only. MNR requested that the entire area within 120 m of the project location undergo an ELC survey. This work was completed by a third-party consultant over three days, June 13-15, 2011. The methodology for the survey is described in Section 6.1.2 of the NHAR. The field notes can be found in Appendix B of the NHAR and maps and results of the survey can be found in Appendix E of the NHAR. The results are used throughout the NHAR, most notably in the Evaluation of Significance section.

Amphibian Breeding Surveys

Amphibian Breeding Surveys were requested by the MNR in anticipation of probable candidate significant amphibian breeding habitat. Amphibian breeding surveys were conducted by a third-party consultant over three days, April 28, 29 and May 12, 2011. Methodology is described in Section 7.4.5 of the NHAR and survey notes and results are in Appendix G of the NHAR.

Wetland Surveys

A specific wetland survey was requested to identify and delineate any wetland features on the landscape. No Provincially Significant Wetlands were previously identified within 120 m of the project location; however, many non-significant wetland areas were found during the survey. Wetlands are described in section 6.4, 7.2 and 8.2 of the NHAR. The survey details and results can be found in Appendix F of the NHAR.

Species at Risk Surveys

Species at Risk surveys were requested and were addressed in a separate, confidential report that was submitted to the MNR, in accordance with regulatory requirements.

Additionally, all updates requested in Table 7 were added to the NHAR.

7.2. MINISTRY OF TOURISM AND CULTURE

Correspondence with the Ministry of Tourism and Culture (MTC) was required for the review and approval of the Stage 1 and 2 Archaeological Assessment Report (AAR) and the Heritage Assessment Report (HAR). Archaeological consulting firm Archaeological Research Associates Ltd. were contracted to complete both studies and correspond with the MTC on Prowind's behalf.

The AAR and HAR were required to be submitted and approved prior to the 60-day public review of final drafts of the South Branch Wind Farm REA. The reports and the approval letters from the MTC were included in the Nov 4, 2011 version of the REA.

A summary table of submission and approval dates is below. Major points of correspondence are available in Appendix H3. Approval letters received from the MTC for both the Stage 1

and 2 Archaeology Assessment Report and the Heritage Assessment Report can be found in Appendix H3.

TABLE 11 HIGHLIGHTS OF CONSULTATION WITH MTC

Date	Event	Major Points of Consultation
Jul 21, 2011	Original HAR report submitted	
Jul 25, 2011	Original AAR report submitted	
Aug 9, 2011	Comments on HAR received	Comments on formatting, referencing, etc.
Aug 24, 2011	Comments on AAR received	Request for expansion on Findspot 2 and its recommendations
Aug 25,2011	Revised AAR report submitted Revised HAR report submitted	
Aug 31, 2011	Comments on HAR received	Comments on formatting, referencing, etc.
Sept 7, 2011	Revised HAR report submitted Confirmation letter received for HAR	
Sept 9, 2011	Confirmation letter received for AAR	

7.2.1. Provision of Draft REA Documents

The MTC were exclusively interested in reviewing the AAR and HAR. Therefore only the AAR and HAR were provided for review.

The Heritage Assessment Report was submitted to the MTC on July 21, 2011 and the Stage 1 and 2 Archaeological Assessments report was submitted to the MTC on July 25, 2011. Revised versions of these reports were submitted as discussed below and are outlined in Table 6.

7.2.2. Comments received regarding Draft REA Documents

7.2.2.1. Archaeological Assessment Report

Comments on the Stage 1 and 2 Archaeological Assessments Report, that were received from the MTC on August 24, 2011, requested clarification on Findspot 2 as well as expanded recommendations on this area. The recommendations outlined in the original Stage 1 and 2 Archaeological Assessment Report explain the alteration to the project layout made as a result of the archaeological find. A Euro-Canadian findspot (Findspot 2) exhibited evidence of Cultural Heritage Value and Interest (CHVI) and was the turbine proposed to be located at this location was consequently removed from the project layout.

7.2.2.2. Heritage Assessment Report

Comments on the Heritage Resources Assessment Report were received from the MTC on August 9, 2011. A revised HAR was submitted to the MTC on Aug 25, 2011. Additional comments were received from the MTC on Aug 31, 2011 and another revised HAR was submitted on Sept 7, 2011. A confirmation letter from the MTC was received on September 7, 2011 indicating acceptance of the final version of the report.

The changes requested by the MTC are outlined in the table below as summarized in the letters received from the MTC. Additional editorial and citation changes were requested by MTC and are detailed in the letters in Appendix H3.

TABLE 12 COMMENTS RECEIVED FROM MTC ON DRAFT HAR

Date	Comments
Aug 8, 2011	- Remove detailed information related to the archaeological context from the report. Section 8.0 References should also be revised to reflect that this information has been removed from the report - For each potential heritage resources identified as having cultural heritage value or interest, revise the entries in Table to include a summary of all cultural heritage values as a reflection of the criteria from O. Reg. 9/06. - Section 6.3 Impact Evaluation of CHVI Resources needs to be expanded to include a definition of the different types of potential impacts, along with a methodology of how impacts were evaluated. The report must consider all possible project impacts, this includes any impacts that may occur as a result of the construction, operation, and decommissioning of the renewable energy project. It is recommended that the revised report include visual aids to show how viewscapes/viewsheds will or will not be impacted by the proposed project. - Additional physical and contextual values should be considered and included in Table 2 in section 6.4.2 Identification and Evaluation of Local CHLs, so that the evaluation reflects all criteria included in O. Reg. 9/06. - Provide an evaluation and statement of the cultural heritage value or interest of the settles of Brinston, Dixons Corners and Hulbert. - Ensure that the information provided in Table 1 and the Appendix is consistent. - Make the remaining suggested editorial and citation revisions included in the comments above.
Aug 31, 2011	- Provide a brief statement of cultural heritage value, along with a description of heritage attributes for the heritage resources (built heritage resources and cultural heritage landscapes) identified in the report. - Provide further assessment, analysis and clarification in the sections related to project impacts on built heritage resources and cultural heritage landscapes, as suggested and discussed above. - Make the remaining suggested editorial and citation revisions included in the comments above.

7.2.3. Changes to REA in Response to Feedback

7.2.3.1. Archaeological Assessment Report

The revised Stage 1 and 2 Archaeological Assessment Report submitted to MTC on August 25, 2011 included additional information on Findspot 2, the Euro-Canadian find spot which was the location of the now-removed Turbine 14. The Archaeology consultants included some additional information in the summary paragraph of Section 8.2 of the report and expanded on the Proponent plans to remove the project infrastructure from the findspot

area. The necessary setback for this type archaeological findspot is 20 m, whereas the Proponent is proposing 1.88 km from the findspot. This update is included in Section 8.2 and 8.3 of the Stage 1 and 2 Archaeological Assessments Report dated August 2011. MTC accepted the recommendations of the final AAR on September 7, 2011.

7.2.3.2. Heritage Assessment Report

As outlined in Section 7.2.2.2, the HAR was subject to two revisions. The final version, dated September 7, 2011 was accepted as complete by the MTC. Updates requested by the MTC were implemented where requested.

Changes between the original version (July 25, 2011) and the final version are summarized in the table below.

TABLE 13 SUMMARY OF UPDATES TO REA BASED ON MTC FEEDBACK

Section	Update
Sec. 1	- Reference to Provincial Policy Statement removed
Sec. 3	- Reference change - Methodology expanded with updated references
Sec. 5	- Pre-contact details removed from context discussion
Sec. 6 Sec. 6.3	- Table 1 amended to state criteria met for CHVI - Table 2 added to summarize heritage attributes of BH resources - References added - Direct and indirect impacts expanded - Table 3 added to identify distances from BH resources to turbines - Table 4 added to identify distance from BH resources to other project infrastructure - Table 5 added with impact evaluation summary - Tables 6 to 8 added to summarize above noted information with regard to abutting properties - Tables 10 to 14 added summarizing above noted information with regard to settlement areas (Brinston, Dixon's Corners, Hulbert)
Sec. 8	- Conclusions and Recommendations expanded

7.3. ENVIRONMENT CANADA

Consultation with Environment Canada began in 2009 when the South Branch Wind Farm was originally three 10 MW project under RESOP. Environment Canada was a consulting agency when the Environmental Screening Report was the environmental assessment process to follow for this type of development. At that time, Prowind Canada had several project proposed for Eastern Ontario and sent protocols for bird and bat monitoring for review by the MNR and EC for multiple projects, due to similar topography and species variety.

With the arrival of the FIT program and the REA process, EC became less involved in the review process and MNR became the sole contact for bird and bat monitoring protocol review. Avian reports and post-construction monitoring plans were sent to EC in late 2010. EC responded that they had no feedback.

Highlights of the correspondence with EC are summarized below. A detailed correspondence log can be found in Appendix H4. Environment Canada had no comments on reports submitted under 0. Reg 359/09.

TABLE 14 HIGHLIGHTS OF CONSULTATION WITH EC

Date	Event	Major Points of Consultation
June 2, 2009	Submitted bird and bat monitoring plan to meet O. Reg 116/01 requirements	
June 25, 2009	Email	EC has no objections to monitoring plan
Aug 21, 2009	Email	EC has no comments on ESR
Dec 7, 2010	Submitted avian survey reports and post-construction monitoring plan to meet O. Reg 359/09 requirements	
Jan 7, 2011	Email	EC has no comments on above reports

7.3.1. Provision of Draft REA Documents

The Draft REA document was provided to Environment Canada on December 7, 2010. Under O. Reg 359/09, EC and ceased to be commenting agencies on REA documents, the MNR assumed full responsibility for this role.

Regardless, REA documents were provided to EC and CWS via ftp. An introductory letter and access info was provided on January 12, 2011.

This letter can be found in Appendix H4.

7.3.2. Comments received regarding Draft REA Documents

EC had outlined in previous emails that due to the low sensitivity of the site, there are likely no comments on the REA reports. No comments were received from EC after sharing the REA Reports.

7.4. MINISTRY OF THE ENVIRONMENT

The Ministry of the Environment has been involved in the South Branch Wind Farm in two distinct consultation streams: regular notification under O. Reg 359/09 and guidance for the REA transition and process.

7.4.1. Notification under O. Reg 359/09

Notices of project proposal, public meeting, draft REA and additional public notices were mailed/emailed to the local MOE District Branch and the Director, as per O. Reg 359/09. The local district branch for the South Branch Wind Farm is the Cornwall District Office.

Copies of the consultation can be viewed in Appendix H5. The Ministry of the Environment Cornwall District Branch did not provide any comments on the South Branch Wind Farm REA or other notices.

Consultation with the MOE was also required at the beginning of the REA process to obtain a First Nations communities list. This list can be found in Appendix I.

7.4.2. Consultation regarding REA Transition and Process

The Ministry of the Environment made themselves available to proponents during the transition period when the Green Energy Act/REA process was being introduced. A meeting was scheduled on Feb 5, 2010 to discuss previous public meetings held for the South Branch Wind Farm under O. Reg 116/09. The Ministry of the Environment deemed the previous public consultation meetings to be not applicable to the REA process. Meeting notes and correspondence can be found in Appendix H5.

Additionally, the MOE was consulted on other queries regarding REA process throughout the South Branch Wind Farm consultation and environmental assessment phase.

8. ABORIGINAL COMMUNITIES CONSULTATION

8.1. DUTY TO CONSULT

Aboriginal community consultation obligations are outlined in the Ministry of the Environment's (MOE) Environmental Assessment website[1]:

> *"Proponents are required to identify Aboriginal communities and consult with them to determine whether an Aboriginal or treaty right will be potentially negatively impacted by a proponent's proposed EA project or whether Aboriginal communities have an interest in a project."*

This section outlines the Aboriginal community consultation carried out for the South Branch Wind Farm.

8.2. CONSULTATION PLAN

Prowind Canada's Aboriginal community consultation plan was drafted based on the requirements laid out in the MOE Renewable Energy Approval, Ontario Regulation 359/09, which include:

- Identification of stakeholder Aboriginal communities; (see section 8.3)
- Providing Notice of the Project to all Aboriginal communities identified by the Director; (section 8.4)
- Providing thorough and complete project information with Aboriginal communities; (see section 8.5)
- Meeting with Aboriginal communities to share information about the project and surrounding areas (section 8.6)
- Fulfilling all requests for information arising out of consultation, and documentation of discussion of any asserted Aboriginal or treaty right identified by the community as potentially being adversely affected by the project, and any measures the community suggested to mitigate those potential negative impacts; and, (section 8.6)
- Evidence of potentially adverse effects on Aboriginal or treaty rights, and proposed mitigation measures to address identified effects in the renewable energy project design. (see section 8.6)

Further details on each component are outlined in the corresponding sections below.

8.3. IDENTIFICATION OF ABORIGINAL COMMUNITIES

Prior to adoption of the Renewable Energy Approval (REA) process, Prowind initiated communications with several of the Aboriginal communities in the vicinity of the project

[1] www.ene.gov.on.ca/en/eaab/aboriginal-resources.php

areas. These groups were identified through inquiries sent to several branches of the Indian and Native Affairs Committee (INAC) in April 2008. The letters and the responses received are included in Appendix I. Further research of potentially impacted communities was also conducted by consultants M.K. Ince & Associates Ltd. on behalf of Prowind. Two communities were identified as having potential for interest in the project: Algonquins of Pikwakanagan and Mohawks of Akwesasne.

Once the REA process had been adopted, a comprehensive list of appropriate Aboriginal communities was identified by the MOE after review of the draft Project Description Report for South Branch Wind Farm. The request for this list, and Project Description Report were submitted on November 6, 2009, and a final response was received from the MOE on June 17, 2010. This letter can be found in Appendix I. The MOE identified 5 Aboriginal communities to be included in our consultation for the South Branch Wind Farm, 2 of whom, the Akwesasne and Algonquins of Ontario had already been included in earlier consultation efforts.

The three new communities: Ottawa Regional Métis Council, Métis Nation of Ontario and Alderville First Nation, were promptly provided any project details already shared with other communities.

The complete list of unique communities identified by these processes is listed in the table below for reference.

TABLE 15 ABORIGINAL COMMUNITIES FOR CONSULTATION

Aboriginal Community	Location
Alderville First Nation, Mississaugas of Alderville	Roseneath, Ontario
Algonquins of Ontario, Conservation Office	Pembroke, Ontario
Mohawks of Akwesasne, Iroquois of St. Regis	Cornwall, Ontario
Ottawa Regional Métis Council	Ottawa, Ontario
Métis Nation of Ontario, Consultation Unit	Ottawa, Ontario

Copies of all agency correspondence in regards to Aboriginal community consultation can be found in Appendix I.

8.4. PROVIDING NOTICES OF PROJECTS AND MEETINGS

Under O. Reg 359/09 there are several formal notices that must be shared with our stakeholders, including Aboriginal communities. These notifications, along with pertinent other notifications issued under the pre-REA programs are described below.

8.4.1. Notice of Commencement and Initial Public Meeting

Aboriginal communities that had been identified prior to the REA process, were contacted by phone and by regular mail in January 2009 when invitations to attend the initial public meeting, were extended.

8.4.2. Notice of a Proposal for Renewable Energy Project

Once stakeholder Aboriginal communities had been identified under the REA process, the official Notice of a Proposal for a Wind Farm Facility was issued to the Aboriginal communities by way of regular mail. A paper copy of the draft Project Description Report (V1.0) and an invitation to meet with Prowind staff to discuss the project in more detail were also provided in this mailing. These documents were issued in June 2010, immediately upon receipt of the community list from MOE. These letters

All Aboriginal communities were also contacted by phone in June 2010 and asked whether a community newspaper existed in which Prowind would be able to post the Notice of Proposal for wider distribution amongst community members.

Prowind advertised the Notice of Proposal in the Indian Time Newspaper, which was identified by the Akwesasne to be suitable for community distribution. In situations where no community newspaper existed, the contact person was requested to post the Notice in a location that would be available to the general community – often times this was identified as a community bulletin board or similar venue.

8.4.3. DRAFT Renewable Energy Approval Reports

Aboriginal communities were provided with copies of all Draft REA reports on January 4, 2011 along with letters requesting feedback on the proposed project design and study results. This early version of the REA package was not yet available for public review and so no formal published Notice was provided for this activity.

8.4.4. Notice of Public Meeting / Notice of REA Publication

Prowind provided the Notice of a Public meeting to all Aboriginal communities on August 5, 2011 by email. The Notice was provided along with links to the updated Draft REA reports (V2.0) available for download on the project website. All efforts were made to ensure the notices were also published to local newspapers and/or bulletin boards wherever possible.

All communications with Aboriginal community members and a copy of the newspaper tear sheets are provided in Appendix I for reference.

8.4.5. Notice of Public Meetings

Prowind provided the Notice of a Public Meetings to all Aboriginal communities on November 7, 2011 by letter mail. The Notice was provided along with a letter introducing the updated reports, a summary of the reports, and posters from the open house as a further summary of the reports and a CD of the updated reports. These were received by the aboriginal communities before public notification of the open houses were published. A notice was also published in the Indian Time and all efforts were made to ensure the notices were also posted on bulletin boards wherever possible.

All communications with Aboriginal community members and a copy of the newspaper tear sheets are provided in Appendix I for reference.

8.5. PROVIDING PROJECT INFORMATION

Pursuant to section 17.1 of Ontario Regulation 359/09,

> *"Before drafts of documents are made available or distributed under subsection 16 (5), a person who proposes to engage in a renewable energy project shall distribute the following to each aboriginal community mentioned in subparagraph 5 ii of subsection 15 (6) in a form approved by the Director:*
>
> 1. *A draft of the project description report prepared in accordance with Table 1.*
> 2. *Any information the person has regarding any adverse impacts that the project may have on constitutionally protected aboriginal or treaty rights that the community may have identified as being adversely impacted by the project.*
> 3. *A summary of each document mentioned in paragraphs 1 and 2 of subsection 16 (6) in respect of which information is being requested under paragraph 4.*
> 4. *A written request that the aboriginal community provide in writing any information available to the community that, in its opinion, should be considered in preparing a document summarized under paragraph 3, and in particular, any information the community may have about any adverse impacts that the project may have on constitutionally protected aboriginal or treaty rights and any measures for mitigating those adverse impacts."*

Prowind circulated both the PDR and copies of all draft REA reports to the aboriginal communities identified by the MOE in January 2011, more than 6 months before general publication of these reports in July 2011. Aboriginal communities were provided with printed copies of the project description report and a CD containing the full draft REA submission (V1.0), which included all study results and development summaries. Each community declined Prowind's offer to provide a paper copy of the draft REA. A letter sent along with these reports did not identify any adverse effects to aboriginal or treaty rights as Prowind was not aware of any such impacts. A request was made to each aboriginal community to provide in writing any information regarding potential adverse impacts.

Prowind also repeated the request that had been made on several occasions in 2008 and 2009 for the communities to identify any information the community had about adverse impacts that the project might have on aboriginal or treaty rights or measures for mitigating these adverse impacts. After several months of ongoing consultation, no community had identified any concerns or potential for adverse impacts, and so no specific summary report was provided at the time the draft REA package was distributed.

Throughout the consultation process, no community identified any constitutionally protected aboriginal or treaty rights that the community had identified as being adversely impacted by the South Branch wind Farm project and therefore no mitigation measures were discussed.

8.6. CONSULTATION WITH EACH COMMUNITY

As described in Section 8.3 the appropriate set of aboriginal communities was partially identified prior to the receipt of the MOE communities list. Consultation with each group commenced as soon as it had been identified as having potential interest in project activities. A description of the communication with each community is presented below.

Logs of all communications with Aboriginal community representatives are provided in Appendix I.

8.6.1. Mohawk Council of Akwesasne

An introductory letter was sent to Chief Morris and Henry Lickers, Director of Environment in May 2008, along with the Notice of Commencement for South Branch and Brinston Wind Farms. A response was received from Mr. Lickers staff almost immediately, requesting that the group be kept informed of project activities.

A follow-up letter was sent in November 2008, describing the development plans for 5 projects in eastern Ontario, requesting feedback from the community on the proposal and also requesting an opportunity to meet and discuss the project further.

In January 2009, Prowind sent a written invitation to attend the Brinston / South Branch / Boundary public meeting. After some follow-up phone calls, a meeting was scheduled for March 2009. The intention of this meeting was to ensure the community was aware of the proposed project, to ensure we were communicating with the correct individuals and to solicit feedback from the community on how they might be affected by the development.

Prowind staff member Cathy Weston attended the meeting at Cornwall on March 3, 2009. Attendees from the community included: Elizabeth Nanticoke, Acting Director, Environment Department; Richard David, Assistant Director, Environment Department; Brian David, Energy Consultant and Charmaine Caldwell, Industrial Commercial Officer, Department of Economic Development. Notes from this meeting are included in Appendix I1. The first two meeting objectives were met: the group confirmed that they were the correct audience and also confirmed that the community was aware of the project. The group did not identify any concerns about the proposed development, but asked to be kept informed about progress.

In June 2010, MOE confirmed this community as being appropriate for consultation under REA, and the Notice of Proposal and Notice of Public Meeting was sent to the group. There was no response to this notification.

In January 2011, the first version of the Draft REA report package was provided to the community in hard copy and on CD. A follow-up email asking for confirmation of receipt bounced back, so follow up phone calls were made to identify a new contact. Ivan Thompson had recently started in the Department of Economic Development for Akwesasne and confirmed that he would now be the appropriate contact point. After review of the draft REA package, a meeting was scheduled for April 2011 with the intention to provide any additional detail on the REA package and field questions the community may have raised with regards to the project or wind development.

On April 26, 2011 Prowind staff members Cathy Weston and Rochelle Rumney attended the meeting at Akwesasne Council Office on Cornwall Island. Meeting notes are presented in Appendix I1. Prowind shared an overview of the project design and schedule and asked for any feedback on the proposal. Ivan indicated he would raise the project with his Council and respond to us with any concerns or additional questions.

On July 27, 2011, the Notice of Final Public meeting was provided to Ivan Thompson and published to the local newspaper, Indian Time. Email correspondence with Mr. Thompson indicated that his Council had reviewed the REA package and had no concerns with the proposed project.

On Nov 7, 2011 the Notice of Public Meetings and an Updated REA package and summaries of the REA reports were mailed to Ivan Thompson. A notice was published in the Indian Time on Nov 10, 2011. No response was received to this mailed package.

8.6.2. Algonquins of Ontario

An introductory letter was sent to Chief Whiteduck in May 2008, along with the Notice of Commencement for South Branch and Brinston Wind Farms. The letter described the project at a high level and requested an opportunity to meet with the community leaders to share information about the project and solicit feedback from the community.

A follow-up letter was sent in November 2008, describing the development plans for 5 projects in eastern Ontario, also requesting feedback from the community on the proposal and also requesting an opportunity to meet and discuss the project further.

In January 2009, Prowind sent a written invitation to attend the Brinston / South Branch / Boundary public meeting. Several follow-up phone calls were made in attempt to schedule a

meeting to discuss the project further. Ultimately the community contact declined the invitation to meet and no in-person discussion was held at this time.

Upon request, MNR staff provided a contact at JP2G Consultants, a firm contracted to manage communication and consultation for the Algonquins. Jim Hunton, President of JP2G, responded promptly to Prowind messaging. Mr. Hunton was provided with copies of the communications material to date for South Branch Wind Farm, along with 4 other projects in eastern Ontario. He coordinated review of the materials by the appropriate members of the Algonquin community and also coordinated a response to our request for feedback written by Blaney McMurty Barristers and Solicitors LLP, serving as Principle Negotiator for this Aboriginal community. This letter is included in Appendix I3; key conclusions of their response are copied here for ease of reference:

> *"We assume that your summary reports will be modified to correctly reflect the fact that the proposed projects are located within Algonquin Traditional Territory where the Algonquins of Ontario have asserted rights that are the subject of Treaty Negotiations between the AOO and the Governments.*
>
> *"Subject to the foregoing, the AOO will not object to the windfarm proposals described in the documentation provided and we do not require further consultation in this regard."*

As per the request of the Algonquins of Ontario, the *Project Description Report* was modified to include reference to the location of the project within Algonquin Traditional Territory.

In June 2010, MOE confirmed this community as being appropriate for consultation under REA, and the Notice of Proposal and Notice of Public Meeting was sent to the group. There was no response to this notification.

In January 2011, the first version of the Draft REA report package was provided to the community, along with a request for feedback about the project proposal.

On July 27, 2011, the Notice of Final Public meeting was provided to community contacts and JP2G consulting firm.

On Nov 7, 2011 the Notice of Public Meetings and an Updated REA package and summaries of the REA reports were mailed to community contacts and JP2G Consulting. No response was received to this mailed package.

8.6.3. Alderville First Nation

In June 2010, MOE confirmed this community as being appropriate for consultation under REA, and the Notice of Proposal and Notice of Public Meeting was sent to the group. There was no response to this notification.

In January 2011, the first version of the Draft REA report package was provided to the community, along with a request for feedback about the project proposal. Later that month, a response letter was provided by Dave Simpson, Economic Development Officer for the Alderville First Nation stating:

> *"As per the Alderville First Nation Consultation Protocol, your proposed project is deemed a level 3, having minimal potential to impact our First Nations' rights, therefore, please keep Alderville apprised of any archaeological findings, burial sites or any environmental impacts, should any occur."*

On July 27, 2011, the Notice of Final Public meeting was provided to Mr. Simpson, highlighting the findings of field studies including the results of Stage 2 Archaeological studies.

On July 27, 2011, the Notice of Final Public meeting was provided to community contacts.

On Nov 7, 2011 the Notice of Public Meetings and an Updated REA package and summaries of the REA reports were mailed to community contacts. No response was received to this mailed package.

8.6.4. Métis Nation of Ontario

In June 2010, MOE confirmed this community as being appropriate for consultation under REA, and the Notice of Proposal, Notice of Public Meeting and Project Description Report was sent to Mr. Gary Lipinski, President. A follow up email containing the same information along with a request to meet was provided a few days afterward.

Prowind staff member Cathy Weston spoke with Mr. Lipinski by phone on June 30, 2010. He indicated that all correspondence should be addressed to James Wagar who could provide a response on behalf of the Métis Nation of Ontario (MNO). A productive telephone call with Mr. Wagar happened shortly thereafter. Mr. Wagar confirmed receipt of the project materials and indicated that he would distribute summaries of project detail to the appropriate community members and would provide a confirmation of receipt letter shortly.

Mr. Wagar provided a 'Letter of Receipt' on behalf of MNO on July 2, 2010, and indicated he would follow up once full review of the project proposal had occurred. He noted that the review of project materials would help to determine whether further consultation, or in-person meetings would be required.

In September 2010, Mr. Wagar indicated by phone that the communities have provided their feedback on the South Branch project proposal and that they had determined that the project would have no impact on the community. His follow up hard-copy letter, provided December 2010, is included in Appendix I4. The concluding remark is quoted here for reader reference:

> *"The MNO along with the Region 6 Protocol Agreement Consultation Committee ("the Committee") have had an opportunity to review the project information. Based on the information provided and under the stipulations that:*
>
> 1. *The project proceeds as presented in the provided notice documentation.*
> 2. *ProWind Canada Inc. regularly informs the MNO of the project's progress, EA bench marks and any new developments.*
> 3. *The MNO and the Committee may request additional project information at any time.*

4. *A meeting to obtain additional information remains available as an option for the MNO and the Committee.*

The MNO and the Committee believes that should the project proceed there would be no immediate adverse impacts to Métis rights, culture or way of life."

In January 2011, the first version of the Draft REA report package was provided to Mr. Wagar, along with a request for any new feedback about the project proposal. No response was received.

In July 2011, the Notification of Draft REA reports and Notice of Public Meeting was sent to Mr. Wagar, requesting that any feedback be relayed. No response was received.

On Nov 7, 2011 the Notice of Public Meetings and an Updated REA package and summaries of the REA reports were mailed to community contacts. No response was received to this mailed package.

8.6.5. Ottawa Regional Métis Council

In June 2010, MOE confirmed this community as being appropriate for consultation under REA. A hard copy of the NOP, Project Description Report and Notice of Public Meeting was sent to Mr. Robert Pellerin, President of the Ottawa Regional Métis Council, along with an email containing the same detail.

Prowind staff member Cathy Weston spoke with Mr. Pellerin by telephone on June 30, 2010. Mr. Pellerin acknowledged receipt of the project materials, but noted that Mr. James Wagar of the Métis Nation of Ontario should be addressed directly for all matters relating to the Ottawa Regional Métis Council. Further correspondence is included within section 8.6.4 above.

8.7. PROJECT UPDATES RESULTING FROM CONSULTATION

All reasonable requests for information arising out of consultation have been supplied.

As per the request of the Algonquins of Ontario, the *Project Description Report,* Section 4.7.3.1 was modified to include reference to the location of the project within Algonquin Traditional Territory.

8.8. ABORIGINAL BURSARY

Prowind recognizes that Ontario is comprised of land that is considered traditional first nation territory. Land intended for the South Branch Wind Farm is no exception.

In consideration of the heritage of these communities, Prowind is pleased to offer a bursary intended to promote the success of Canada's aboriginal communities at the post-secondary level and their participation in Canada's renewable energy industry. Bursary awards will be granted in the first year following successful commissioning of a wind farm by Prowind and annually thereafter. Details of bursary allocation and eligible persons are included in Appendix I. These bursaries were introduced to the aboriginal communities during in-person meetings and notes from these meetings can found in Appendix I.

APPENDIX A

NOTICE OF COMMENCEMENT

APPENDIX A: NOTICE OF COMMENCEMENT ISSUED UNDER O. REG 116/01 FOR SOUTH BRANCH, BRINSTON AND BOUNDARY WIND FARM

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Notice of Commencement of Screening
Under the Ontario Environmental Screening Process
For Electricity Projects

South Branch Wind Farm, Dundas County

Prowind Canada Inc. is planning to undertake an Environmental Screening for a proposed 10 MW wind generation facility near Brinston in Dundas County, Ontario. If approved, the project will consist of five (5) wind generating turbines located approximately 2 km north of the town of Brinston on the east side of Brinston Rd. and north to Oak Valley Rd. The study area for the Environmental Assessment is shown within the hatched lines on the map below.

The project is subject to the Ontario Ministry of the Environment's Screening Process for electricity projects, described in the *"Guide to Environmental Assessment Requirements for Electricity Projects".* This process requires Prowind Canada Inc. to undertake a screening of the project. This notice is intended to meet the Notice of Commencement requirements for the Screening. The project is also subject to the federally administered Canadian Environmental Assessment Act. Screenings required for both federal and provincial agencies will be carried out in parallel and will culminate in one final report.

The Screening will assess the potential impact of the proposed wind generation facility on the bio-physical and socio-economic environment during its construction, operation and decommissioning. During the screening process, Prowind Canada Inc. will consider the potential for various environmental effects and will respond to issues raised by stakeholders and the general public. Depending on the potential for impacts, Prowind Canada Inc. may proceed to an Environmental Review and issue a notice of commencement of the Environmental Review.

Public consultation will be an integral component of this study. Public and regulatory consultation will be conducted on an on-going basis to provide input on various components of the study. Dates and locations of these opportunities will be advertised in local newspapers. You are invited to provide comments on the issues to be addressed in the study, and to ask to be placed on the project mailing list.

For any questions, or to raise any concerns, Please contact:

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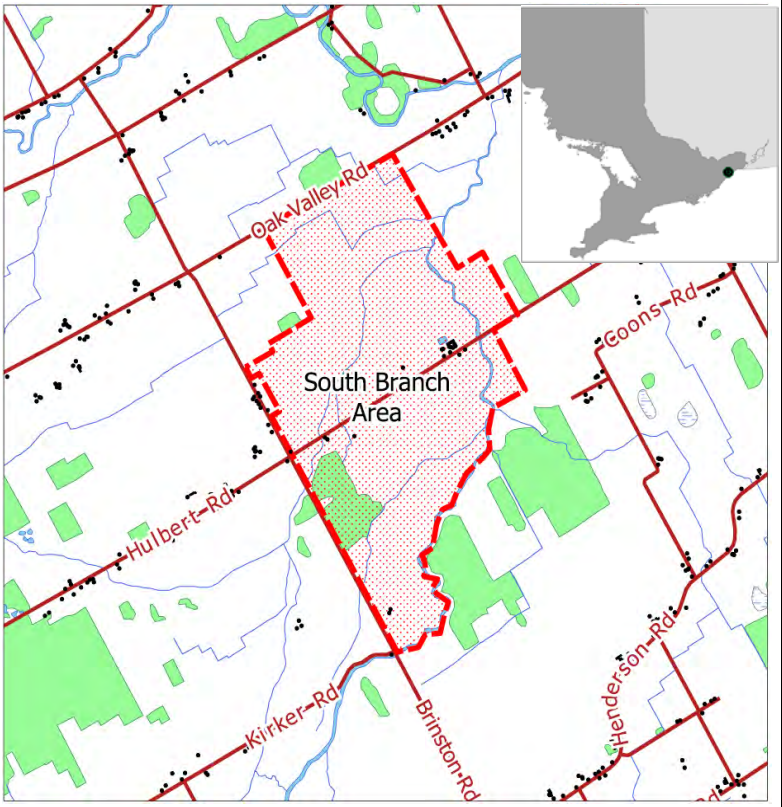

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Brinston Wind Farm, Dundas County

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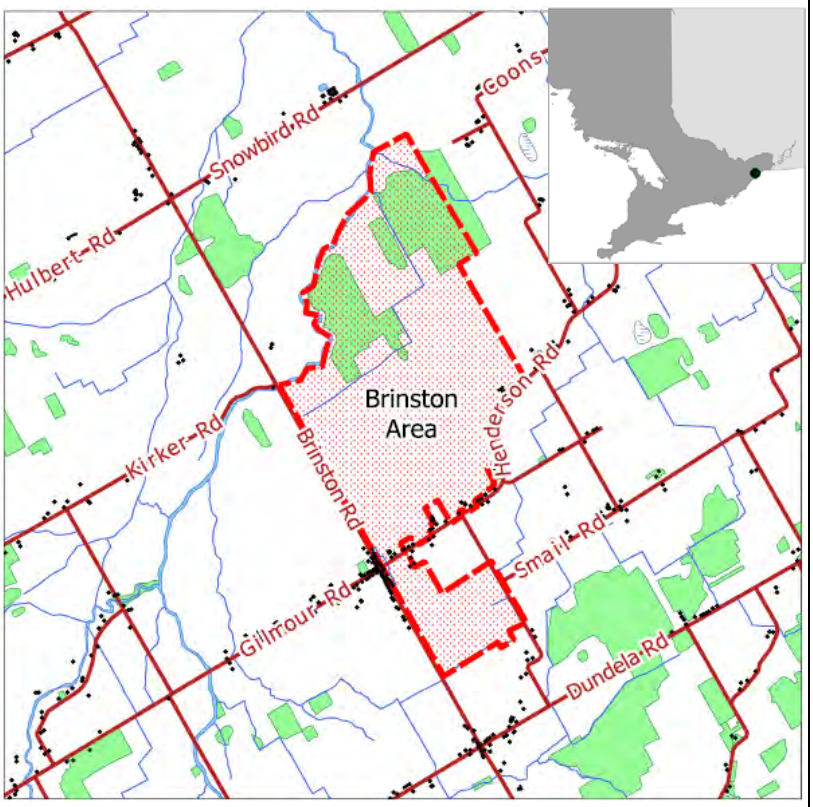

Notice of Commencement of Screening
Under the Ontario Environmental Screening Process
For Electricity Projects

Boundary Windfarm, South Dundas Township

Prowind Canada Inc. is planning to undertake an Environmental Screening for a proposed ten (10) MW wind power generation facility northwest of the Village of Iroquois in South Dundas Township, Ontario. If approved, the project will consist of no more than five (5) wind power-generating turbines located in an area east of Byker Road and west of New Ross Road. The majority of the site lies between Branch Road and County Road 18, with small parcels extending both north and south of these borders. The study area for the Environmental Assessment is shown within the shaded region on the map below.

The project is subject to the Ontario Ministry of the Environment's Screening Process for electricity projects, described in the *"Guide to Environmental Assessment Requirements for Electricity Projects".* This process requires Prowind Canada Inc. to undertake a screening of the project. This notice is intended to meet the Notice of Commencement requirements for the Screening. The project is also subject to the federally administered Canadian Environmental Assessment Act. Screenings required for both federal and provincial agencies will be carried out in parallel and will culminate in one final report.

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Fax: (905) 689-8195
Email: caitlyn.macmaster@mkince.ca

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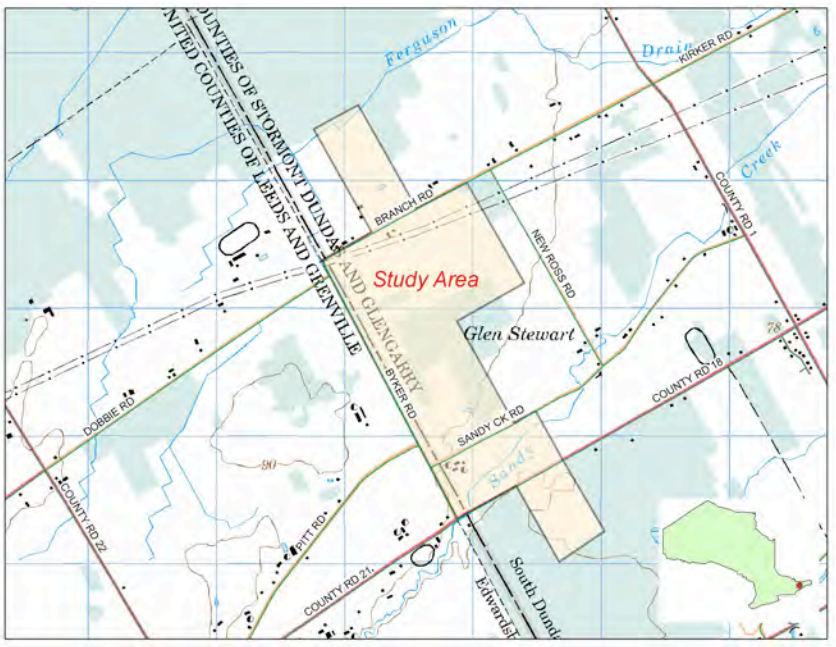

Township of South Dundas
4296 County Road 31, P.O. Box 160, Williamsburg, Ontario K0C 2H0
Tel: 613-535-2673 Fax: 613-535-2099 email: mail@southdundas.com

South Dundas Economic Matters

Iroquois Plaza Revitalization – Why is it happening

Monday April 21st Council and staff will meet with the merchants and owners of the stores in the plaza.

Here we will give and gather information that will ensure that the project is transparent and everyone is kept informed of the process.

This infrastructure project consists of replacing the aged canopy and sidewalks of the Iroquois Plaza, adhering to strategic planning recommendations for revitalization in South Dundas. 51 years ago during the construction of the St. Lawrence Seaway the "Old Downtown District" was completely demolished believing at the time that business would thrive in the "new" plaza. However, progress was never realized and the plaza now stands in disrepair, commercial business is extremely vulnerable and the downtown "sense of place" never materialized for residents and visitors.

There is an alarming increase in vacancies, lack of required commercial mix, safety issues, and increased vandalism. In 2005, Council adopted an economic development strategic plan. An advisory committee was struck and the recommendations were acted upon.

A more proactive approach to economic development was taken so South Dundas would differentiate itself by the deliberate development of a Unique Selling Position (USP) that will present a unique and attractive vision to businesses and people seeking to relocate or to remain in the township.

A branding concept was developed to identify South Dundas and South Stormont, in partnership, as "Upper Canada Region". Iroquois is the first of 5 exits off the 401 and the revitalization will help the plaza meet expectations as the gateway to Upper Canada Region.

An OMAFRA BR+E program was conducted verifying the need for downtown revitalization. Again South Dundas teamed up with South Stormont and conducted the BR+E in the business plazas of Iroquois, Morrisburg, Ingleside and Long Sault. 85% or 82 businesses, all individually owned, participated and identified façade improvement as one of the top three ideas to improve business climate.

Ownership of the canopy and sidewalk of the Iroquois Plaza is transferred to the municipality, consistent with that of Morrisburg, which is owned and maintained by the municipality.

Environment or Sustainable Benefits

South Dundas government is a voice for its communities. The township intends to build and maintain infrastructure that is essential for local economic activity. People in Iroquois have suffered from the loss of a major industry and employer and are working together on economic development initiatives that build on existing assets – the workforce, the natural environment, local institutions, and cultural heritage. Everyone from municipal politicians and service providers to local businesses and residents' groups are contributing to improving the declining state of the plaza, using the existing assets of the plaza and neighbourhoods in Iroquois to spur revitalization. South Dundas recognizes that households with the fewest economic resources may live in the least healthy areas – not only neighbourhoods that may have environmental contaminants in the air, soil, and water, but also neighbourhoods with few amenities and services.

This plays out at the regional level in declining communities that are losing employers and population.

PLAZA
SEE PAGE 9

Notice of Commencement of Screening Under the Ontario Environmental Screening Process For Electricity Projects

Brinston Wind Farm, Dundas County

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The project is subject to the Ontario Ministry of the Environment's Screening Process for electricity projects, described in the *"Guide to Environmental Assessment Requirements for Electricity Projects"*. This process requires Prowind Canada Inc. to undertake a screening of the project. This notice is intended to meet the Notice of Commencement requirements for the Screening. The project is also subject to the federally administered Canadian Environmental Assessment Act. Screenings required for both federal and provincial agencies will be carried out in parallel and will culminate in one final report.

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Fax: 613-258-6722
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Prowind

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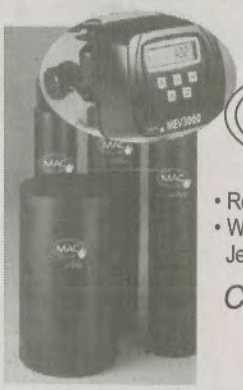

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Notice of Commencement of Screening Under the Ontario Environmental Screening Process For Electricity Projects

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Email: caitlyn.macmaster@mkince.ca

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WIND ENERGY ENGINEERING

at the Parker Funeral Home Morrisburg with Pastor Nor Gullons officiating. Shelley Debbi, two nieces, delivered tribute to their beloved Ur Lonnie. Mr. Casselman's nie and nephews were honoured to pallbearers. Interment at Mc Pleasant Cemetery followed.

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Obituaries

tty Murray

sident of the City of Falls for the past 31 etty Murray passed away Greater Niagara General on Tuesday, November She was 67.

was born in Matilda p on May 18, 1941 to nts Frederick and Marion ee Casselman).

resided in the Cardinal cott area until she and her noved to Niagara Falls in

worked for the past for the Niagara Parks sion as a sous chef at ed Table Rock House nt overlooking the Falls.

was an active member Royal Canadian Legion 51 in Niagara Falls. She a member of the Royal Naval Association ne taught sea cadets the

as an excellent cook and d many of her recipes were featured on the menu at Table Rock House.

She loved catering banquets whether it was for work or the Legion or on her own as a private caterer.

Christmas time meant a special gathering of family in her home, playing board games (Popomatic Trouble was Betty's favourite game to play with her children and grandchildren), playing cards, feasting on turkey featuring her "special dressing", her own recipe of cranberries, pies, several kinds of cookies and squares, as she always made everyone's favourites from scratch.

Betty enjoyed spending time with and doting on her grandchildren and helping the elderly in her apartment building by making them meals and as a result she made many friends. She spent her life giving to her family and others, often forgetting about herself and her needs.

She loved animals, nature, music and any event or holiday that would bring her family together.

Betty is survived by her children Timothy Ferguson (Dianne) of Cardinal, Brian Perkins (Wendy) of Brockville, Kevin Perkins (Marlene) of Brockville, Jeff Ferguson (Cheryl) of Spencerville, Chris Ferguson (Tania) of Rivierre Qui Barre, Alberta, Lesa Ferguson (Jeff) of Niagara Falls, and Tammy Ferguson (John) of St. Catharines; her grandchildren Drew Perkins, Dustin Perkins, Devon Perkins, Ashley Ferguson, Chelsey Ferguson, Alexa Ferguson, Skyler Ferguson, Ty Ferguson, Brittany Ferguson, Caitlyn Ferguson, Hailey Ferguson, Kyle Perkins, Cody Perkins, Lindsay McLaughlin, Rena McLaughlin and one great-grandson Dylan James Ferguson.

She was the dear step-sister of Frederick Wolfe (Betty) of Mallorytown, Ronny Wolfe (Marilyn) of R.R.#1 Iroquois, Lillian Lalonde (Doug) of R.R.#1 Morrisburg, Shirley McCloy of Brockville, Wayne Wolfe (Sherry) of Cardinal and Garnet Wolfe (Shelly) of R.R.#1 Morrisburg.

She was predeceased by her parents Frederick Wolfe and Marion Casselman-Wolfe, her step-mother Anne Tyo-Wolfe, a step-brother Tom Wolfe and a sister Geraldine Baron. She is also survived by many nieces and nephews.

Friends called at the Marsden and McLaughlin Funeral Home, Williamsburg, on Sunday from 2-4 and 7-9 p.m. Mass of Christian Burial was celebrated at St. Mary's Roman Catholic Church, Chesterville, Ontario, on Monday, November 10th at 11 a.m., with Father Gillis officiating. Inurnment followed at Maple Ridge Cemetery, Chesterville.

Donations to Winchester District Memorial Hospital would be appreciated by the family.

an Bruce Casselman

ily at home on October , Allan Bruce Casselman e of 73.

in Williamsburg, May , Allan was predeceased arents Bruce and Ethel n.

rother to Inez (Bilmer) lly (Black) both of rg. Predeceased by sister Coulthart) and brother Casselman).

nissed by 10 nieces and 19 great nieces and and three great, great d nephews.

vas a dedicated member Royal Canadian Legion devoted outdoorsman and sports

Philip Arthur Tinker

A longtime resident of Morrisburg, Philip Arthur Tinker passed away peacefully with his family by his side, at the Ottawa Civic Hospital on Wednesday, November 12. He was in his 91st year.

Philip was the beloved husband of Alice and dear father of Gail of Calgary and Jillian (Marcel) Clement of Ottawa. He was cherished grandfather of Christopher and Jeffrey of Calgary and Rachel, Nicholas and Scott of Ottawa.

A memorial service was held today, Wednesday, November 19 at 2 p.m. at St. James Anglican Church, Morrisburg with Archdeacon Sid Irwin and Rev. Paul Donison officiating.

Inurnment will be at Huntingdon Cemetery, Quebec at a later date.

Memorial donations to the Heart and Stroke Foundation will be gratefully acknowledged.

Parker Funeral Home, Morrisburg, was entrusted with the arrangements. Condolences and donations may be made at parkerfh@personainternet.com

FLOWERS

Distribution Routes for Boundary Notices of Commencement

Road Name	Segment Range	Building Count
Glen Stewart Rd.	Shanley - Carman Rd	35
Gilmour Rd	Carman – Hainsville South Branch	6
Hainsville South Branch Rd	Gilmour – Hainsvlle Rd	17
Levere Rd / Hainsville Rd.	Webb - Carman	35
Carman Rd.	Hainsville - Branch	20
Sandy Creek Rd	Byker - Carman	16
Byker Rd	Glen Stewart Rd – Branch Rd	0
Branch Rd	Byker - Carman	14
Dobbie Rd	Cty Rd 22 – Byker Rd	9
New Ross Rd	Branch – Sandy Creek	3
Pitt Rd	Glen Stewart - Byker	10
William Street and Cindy Cresc	Glen Stewart - Carman	13
SUBTOTAL		178
TOTAL	Subtotal + 10%	196

Boundary Windfarm

Contact List for ESR Under O. Reg 116/01 for South Branch Wind Farm
April 11, 2008

	Notice of Comm		Prep.	First Name	Last Name	Organization	Title
Provincial Contacts							
	y		Ms.	Pam	Wheaton	Ontario Secretariat of Aboriginal Affairs	Director, Policy and Relationships Branch
	y		Mr.	Fred	Hoskins	Department of Indian and Northern Affairs	Senior Claims Analyst, Specific Claims Branch
	y		Mr.	Franklin	Roy	Department of Indian and Northern Affairs	Director, Litigation Management and Resolution Branch
	y		Mr.	Kevin	Clement	Department of Indian and Northern Affairs	Acting Director, Comprehensive Claims Branch
	y		Mr.	Grant	Wedge	Ministry of the Attorney General	Council, Crown Law Office-Civil
	y		Mr.	Gary	McTavish	Ontario Ministry of Agriculture and Food - Kemptville	Regional Manager
	y		Ms.	Catherine	Perron	Ontario Ministry of Economic Development and Trade	Information Assistant
	y		Mr.	Neil	McKay	Ontario Energy Board	Manager, Facilities and Licensing
	y		Mr.	Michael	Elms	Ministry of Municipal Affairs, Municipal Services Office -Eastern Ontario	Acting Manager Planning Projects
	y		Mr.	David	Pickles	Ontario Native Affairs Secretariat	Senior Policy Advisor
	y		Mr.	Neil	Hutchings	Ontario Ministry of Energy - Renewables Office	Efficiency Advisor
	y		Mr.	Chris	Maher	Ontario Native Affairs Secretariat	Acting Director of Negotiations
	y		Mrs.	Terry	Forester	Ontario Ministry of the Environment EAAB-Eastern Region	
	pending					Ontario Ministry of Natural Resources- Kemptville	
	y		Mrs.	Kathyrn	Moore	Ontario Ministry of Transportation- Eastern Ontario	Director of Central Region
Airstrips/gliders/parachuting							
	n		Mr.	Nicholas	?	Winchester Airport	Operator
	n		Private	Private	Private	Iroquois Airport	?
Federal Contacts							
	y		Mr.	Rob	Dobos	Canadian Wildlife Service	Head, Environmental Assessment Section
	y		Mr.	Jim	Brownell	MPP	MPP, Dundas -Stormount-South Gengarry
	pending					Canadian Environmental Assessment Agency	Ontario Region
Conservation Authorities							
	y		Mr.	Dennis	O'Grady	South Nation River Conservation Authority	General Manager
County-of Stormont-Dundas-Glengarry							
	y		Mr.	Michael	Otis	Stormount-Dundas-Glengarry	County Planner and Head of Planning Dept.
	y		Mr.	Dennis	Fife	Stormount-Dundas-Glengarry	Warden
Municipal Council for South Dundas							
	y		Mr.	Charles A.	Barkley	Township of South Dundas	Mayor
	y		Mr.	Robert	Gillard	Township of South Dundas	Deputy Mayor
	y		Mr.	Steven	Byvelds	Township of South Dundas	Councillor
	y		Mr.	Jim	Graham	Township of South Dundas	Councillor
	y		Mr.	Delbert	Jones	Township of South Dundas	Councillor
	y		Mr.	Stephen	McDonald	Township of South Dundas	Chief Admisistrative Officer
	y		Mr.	Don J.W.	Lewis	Township of South Dundas	Manager, Planning and Enforcement
Municipal Council for North Dundas							
	y		Mr.	Alvin	Runnalls	Township of North Dundas	Mayor
	y		Mrs.	Estella	Rose	Township of North Dundas	Deputy Mayor
	y		Mr.	Allan	Armstrong	Township of North Dundas	Councilor
	y		Mr.	Eric	Duncan	Township of North Dundas	Councilor
	y		Mr.	John	Thompson	Township of North Dundas	Councilor

Address	Town	Province	Postal Code	Phone	Email
720 Bay St. 4th Floor	Toronto	ON	M5G 2K1		
10 Wellington St, Room 1310	Gatineau	QC	K1A 0H4		
10 Wellington St	Gatineau	QC	K1A 0H4		
10 Wellington St, Room 1310	Gatineau	QC	K1A 0H4		
720 Bay St. 8th Floor	Toronto	ON	M5G 2K1		
59 Ministry Rd.	Kemptville	ON	K0G 1J0	613-258-8371	gary.mctavish@ontario.ca
8th Floor, Hearst Block, 900 Bay Street	Toronto	ON	M7A 2E1		
P.O. Box 2319, 2300 Yonge Street	Toronto	ON	M4P 1E4		
8 Estate lane	Kingston	ON	K7M 9A8	613-545-2132	
4th Floor, 720 Bay Street	Toronto	ON	M5G 2K1		
3rd Floor, 800 Bay Street	Toronto	ON	M7A 2C1		
4th Floor, 720 Bay Street	Toronto	ON	M5G 2K1		
113 Amelia st. First floor	Cornwall	ON	K6H 3P1	613-933-0709	
10 Campus Drive	Kemptville	ON	K0G 1J0	613-258-8204	
1355 John Counter Boulevard, Postal Bag 4000	Kingston	ON	K7L 5A3	613-545-4600	kathy.moore@mto.gov.on.ca
5.3 km South of Winchester town	Winchester	ON		613-225-5037, 613-774-0091	
Adjacent to the town of Iroquois	Iroquois	ON		613-652-4838	
867 Lakeshore Road, P.O. Box 5050	Burlington	ON	L7R 4A6		
20 Montreal Rd, 2nd Flr	Cornwall	ON	K6H 1B1	613-933-6513	jbrownell.mpp.co@liberal.ola.org
55 St. Clair Avenue East, Room 907	Toronto	ON	M4T 1M2	416-952-1576	
Box 69	Berwick	ON	K0C 1G0	613-984-2948 ext 226	info@nation.on.ca
Suite 204, 26 Pitt Street	Cornwall	ON	K6J 3P2	613-932-1515 ext 219	motis@sdgcounties.ca
2326 County Road 12	Berwick	ON	K0C 1G0	613-984-2059	fifeag@plantpioneer.com
4563 Ridge Rd., RR1	Iroquois	ON	K0E 1K0	H) 613-652-4053,C) 613-340-6100	
13902 Willbruck Dr., RR1	Morrisburg	ON	K0C 1X0	H) 613-537-8579	
12425 Garlough Rd., RR1	Williamsburg	ON	K0C 2H0	(H) 613-535-2271, C) 613-791-4378	bycrest@magma.ca
4893 County Rd. 31, RR3	Williamsburg	ON	K0C 2H0	H) 613-543-2265	jwg60@w3connex.ca
23 Steward Dr., P.O. Box 1093	Morrisburg	ON	K0C 1X0	H) 613-543-3588, (W) 613-652-4878	del@deljones.ca
				613-535-2673 (ext 223)	smcdonald@southdundas.com
				613-535-2673 (ext 226)	dlewis@southdundas.com
13200 County Road #3, RR #2	Winchester	ON	K0C 2K0	(613) 448-3425	runnalong@igs.net
10834 County Road #43, RR #2	Mountain	ON	K0E 1S0	613) 989-5421	eeterose@magma.ca
447 May St.	Winchester	ON	K0C 2K0	(613) 774-0752	alarmstrong@sympatico.ca
10560 Nelson Road	South Mounta	ON	K0E 1W0	613) 989-1972	eric@jedexpress.com
61 Chesterville Main St.	Chesterville	ON	K0C 1H0	(613) 448-2963	jthompsonelect@hotmail.com

M.K. INCE AND ASSOCIATES LTD.
WIND ENERGY ENGINEERING

P.O. Box 650, 35 Main St N, Suite 32, Waterdown, Ontario, L0R 2H0 Tel (905) 689-3900 Fax (905) 689-8195

April 8, 2008

Director, Policy and Relationships Branch
Ontario Secretariat of Aboriginal Affairs
720 Bay St. 4th Floor
Toronto, ON M5G 2K1

Attention: **Ms. Pam Wheaton, Director, Policy and Relationships Branch**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Ms. Wheaton:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review early next year.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
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Jacinta McNairn, P.Eng.
Encl.

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April 8, 2008

Council, Crown Law Office-Civil
Ministry of the Attorney General
720 Bay St. 8th Floor
Toronto, ON M5G 2K1

Attention: **Mr. Grant Wedge, Council, Crown Law Office-Civil**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Wedge:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Regional Manager
Ontario Ministry of Agriculture and Food - Kemptville
59 Ministry Rd.
Kemptville, ON K0G 1J0

Attention: **Mr. Gary McTavish, Regional Manager**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. McTavish:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Information Assistant
Ontario Ministry of Economic Development and Trade
8th Floor, Hearst Block, 900 Bay Street
Toronto, ON M7A 2E1

Attention: **Ms. Catherine Perron, Information Assistant**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Ms. Perron:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Manager, Facilities and Licensing
Ontario Energy Board
P.O. Box 2319, 2300 Yonge Street
Toronto, ON M4P 1E4

Attention: **Mr. Neil McKay, Manager, Facilities and Licensing**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. McKay:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Ministry of Municipal Affairs, Municipal Services Office -Eastern Ontario
8 Estate lane
Kingston, ON K7M 9A8

Attention: **Mr. Michael Elms,**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Elms:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Senior Policy Advisor
Ontario Native Affairs Secretariat
4th Floor, 720 Bay Street
Toronto, ON M5G 2K1

Attention: **Mr. David Pickles, Senior Policy Advisor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Pickles:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Efficiency Advisor
Ontario Ministry of Energy - Renewables Office
3rd Floor, 800 Bay Street
Toronto, ON M7A 2C1

Attention: **Mr. Neil Hutchings, Efficiency Advisor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Hutchings:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Acting Director of Negotiations
Ontario Native Affairs Secretariat
4th Floor, 720 Bay Street
Toronto, ON M5G 2K1

Attention: **Mr. Chris Maher, Acting Director of Negotiations**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Maher:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Ontario Ministry of the Environment EAAB-Eastern Region
113 Amelia st. First floor
Cornwall, ON K6H 3P1

Attention: **Mrs. Terry Forester,**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mrs. Forester:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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Sincerely,
M. K. INCE AND ASSOCIATES LTD.

Jacinta McNairn, P.Eng.
Encl.

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M.K. INCE AND ASSOCIATES LTD.
WIND ENERGY ENGINEERING

P.O. Box 650, 35 Main St N, Suite 32, Waterdown, Ontario, L0R 2H0 Tel (905) 689-3900 Fax (905) 689-8195

April 8, 2008

Ontario Ministry of Transportation- Eastern Ontario
1355 John Counter Boulevard, Postal Bag 4000
Kingston, ON K7L 5A3

Attention: **Mrs. Kathyrn Moore,**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mrs. Moore:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Head, Environmental Assessment Section
Canadian Wildlife Service
867 Lakeshore Road, P.O. Box 5050
Burlington, ON L7R 4A6

Attention: **Mr. Rob Dobos, Head, Environmental Assessment Section**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Dobos:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

MPP, Dundas -Stormount-South Gengarry
MPP
20 Montreal Rd, 2nd Flr
Cornwall, ON K6H 1B1

Attention: **Mr. Jim Brownell, MPP, Dundas -Stormount-South Gengarry**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Brownell:

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April 8, 2008

General Manager
South Nation River Conservation Authority
Box 69
Berwick, ON K0C 1G0

Attention: **Mr. Dennis O'Grady, General Manager**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. O'Grady:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

County Planner and Head of Planning Dept.
Stormount-Dundas-Glengarry
Suite 204, 26 Pitt Street
Cornwall, ON K6J 3P2

Attention: **Mr. Michael Otis, County Planner and Head of Planning Dept.**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Otis:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Warden
Stormount-Dundas-Glengarry
2326 County Road 12
Berwick, ON K0C 1G0

Attention: **Mr. Dennis Fife, Warden**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Fife:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Mayor
Township of South Dundas
4563 Ridge Rd., RR1
Iroquois, ON K0E 1K0

Attention: **Mr. Charles A. Barkley, Mayor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Barkley:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Deputy Mayor
Township of South Dundas
13902 Willbruck Dr., RR1
Morrisburg, ON K0C 1X0

Attention: **Mr. Robert Gillard, Deputy Mayor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Gillard:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Councillor
Township of South Dundas
12425 Garlough Rd., RR1
Williamsburg, ON K0C 2H0

Attention: **Mr. Steven Byvelds, Councillor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Byvelds:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Councillor
Township of South Dundas
4893 County Rd. 31, RR3
Williamsburg, ON K0C 2H0

Attention: **Mr. Jim Graham, Councillor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Graham:

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April 8, 2008

Councillor
Township of South Dundas
23 Steward Dr., P.O. Box 1093
Morrisburg, ON K0C 1X0

Attention: **Mr. Delbert Jones, Councillor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Jones:

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April 8, 2008

Chief Admisistrative Officer
Township of South Dundas
4296 County Road 31/Bank St., PO Box 160
Williamsburg, ON K0C 2H0

Attention: **Mr. Stephen McDonald, Chief Admisistrative Officer**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. McDonald:

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April 8, 2008

Manager, Planning and Enforcement
Township of South Dundas
4296 County Road 31/Bank St., PO Box 160
Williamsburg, ON K0C 2H0

Attention: **Mr. Don J.W. Lewis, Manager, Planning and Enforcement**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Lewis:

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April 8, 2008

Mayor
Township of North Dundas
13200 County Road #3, RR #2
Winchester, ON K0C 2K0

Attention: **Mr. Alvin Runnalls, Mayor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Runnalls:

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April 8, 2008

Deputy Mayor
Township of North Dundas
10834 County Road #43, RR #2
Mountain, ON K0E 1S0

Attention: **Mrs. Estella Rose, Deputy Mayor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mrs. Rose:

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April 8, 2008

Councilor
Township of North Dundas
447 May St.
Winchester, ON K0C 2K0

Attention: **Mr. Allan Armstrong, Councilor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Armstrong:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review early next year.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
M. K. INCE AND ASSOCIATES LTD.

Jacinta McNairn, P.Eng.
Encl.

Professional Engineers Ontario
Authorized by the Association of Professional Engineers of Ontario to offer professional engineering services.

M.K. INCE AND ASSOCIATES LTD.
WIND ENERGY ENGINEERING

P.O. Box 650, 35 Main St N, Suite 32, Waterdown, Ontario, L0R 2H0 Tel (905) 689-3900 Fax (905) 689-8195

April 8, 2008

Councilor
Township of North Dundas
10560 Nelson Road
South Mountain, ON K0E 1W0

Attention: **Mr. Eric Duncan, Councilor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Duncan:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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April 8, 2008

Councilor
Township of North Dundas
61 Chesterville Main St.
Chesterville, ON K0C 1H0

Attention: **Mr. John Thompson, Councilor**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm, in South Dundas, Ontario.**

Dear Mr. Thompson:

M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notices of Commencement of Environmental Screening for the Brinston and South Branch Wind Farms. These projects are to be located in the Township of South Dundas. Each project is proposed to consist of approximately 4 to 6 wind turbines with a total nameplate capacity of 10 MW. The projects will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notices indicate the study area for each project.

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P.O. Box 1678
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Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

November 18, 2008

Director, Policy and Relationships Branch
Ontario Secretariat of Aboriginal Affairs
720 Bay St. 4th Floor
Toronto, ON M5G 2K1

Attention: Ms. Pam Wheaton, Director, Policy and Relationships Branch
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Ms. Wheaton:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

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November 18, 2008

Council, Crown Law Office-Civil
Ministry of the Attorney General
720 Bay St. 8th Floor
Toronto, ON M5G 2K1

Attention: Mr. Grant Wedge, Council, Crown Law Office-Civil
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Wedge:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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Cathy Weston
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November 18, 2008

Regional Manager
Ontario Ministry of Agriculture, Food and Rural Affairs
59 Ministry Rd.
Kemptville, ON K0G 1J0

Attention: Mr. Gary McTavish, Regional Manager
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. McTavish:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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November 18, 2008

Information Assistant
Ontario Ministry of Economic Development
8th Floor, Hearst Block, 900 Bay Street
Toronto, ON M7A 2E1

Attention: Ms. Arta Lena, Information Assistant
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Ms. Lena:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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November 18, 2008

Manager, Facilities and Licensing
Ontario Energy Board
P.O. Box 2319, 2300 Yonge Street
Toronto, ON M4P 1E4

Attention: Mr. Neil McKay, Manager, Facilities and Licensing
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. McKay:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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November 18, 2008

Acting Manager Community Planning and Development
Ministry of Municipal Affairs and Housing, Municipal Services Office -Eastern Ontario
Rockwood House, 8 Estate Lane
Kingston, ON K7M 9A8

Attention: Mr. Michael Elms, Acting Manager Community Planning and Development
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Elms:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

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Website: www.prowind.ca

November 18, 2008

Senior Policy Advisor
Ontario Native Affairs Secretariat
4th Floor, 720 Bay Street
Toronto, ON M5G 2K1

Attention: Mr. David Pickles, Senior Policy Advisor
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Pickles:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

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Website: www.prowind.ca

November 18, 2008

Efficiency Advisor
Ontario Ministry of Energy - Renewables Office
3rd Floor, 800 Bay Street
Toronto, ON M7A 2C1

Attention: Mr. Neil Hutchings, Efficiency Advisor
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Hutchings:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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November 18, 2008

Acting Director of Negotiations
Ontario Native Affairs Secretariat
4th Floor, 720 Bay Street
Toronto, ON M5G 2K1

Attention: Mr. Chris Maher, Acting Director of Negotiations
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Maher:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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November 18, 2008

EAAB-Eastern Region
Ontario Ministry of the Environment
113 Amelia st. First floor
Cornwall, ON K6H 3P1

Attention: Ms. Terry Forester, EAAB-Eastern Region
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Ms. Forester:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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Website: www.prowind.ca

November 18, 2008

MPP, Dundas -Stormount-South Gengarry
Government of Ontario
20 Montreal Rd, 2nd Flr
Cornwall, ON K6H 1B1

Attention: Mr. Jim Brownell, MPP, Dundas -Stormount-South Gengarry
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Brownell:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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November 18, 2008

District Manager, Kemptville District
Ontario Ministry of Natural Resources
10 Campus Drive, PO Bag 2002
Kemptville, ON K0G 1J0

Attention: Mr. Alex Gardner, District Manager, Kemptville District
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Gardner:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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November 18, 2008

Director of Eastern Region
Ontario Ministry of Transportation
1355 John Counter Boulevard, Postal Bag 4000
Kingston, ON K7L 5A3

Attention: Ms. Kathryn Moore, Director of Eastern Region
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Ms. Moore:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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November 18, 2008

Claims Analyst, Specific Claims Branch
Department of Indian and Northern Affairs
10 Wellington St, Room 1310
Gatineau, QC K1A 0H4

Attention: Ms. Janet Townson, Claims Analyst, Specific Claims Branch
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Ms. Townson:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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November 18, 2008

Director, Litigation Management and Resolution Branch
Department of Indian and Northern Affairs
10 Wellington St
Gatineau, QC K1A 0H4

Attention: Mr. Daniel Ricard, Director, Litigation Management and Resolution Branch
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Ricard:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

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November 18, 2008

Acting Director, Comprehensive Claims Branch
Department of Indian and Northern Affairs
10 Wellington St, Room 1310
Gatineau, QC K1A 0H4

Attention: Mr. Kevin Clement, Acting Director, Comprehensive Claims Branch
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Clement:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

November 18, 2008

Manager, Environmental Assessment and Federal Programs
Environment Canada
867 Lakeshore Road, P.O. Box 5050
Burlington, ON L7R 4A6

Attention: Mr. Rob Dobos, Manager, Environmental Assessment and Federal Programs
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Dobos:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
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November 18, 2008

Director, Ontario Regional Office
Canadian Environmental Assessment Agency
55 St. Clair Avenue East, Room 907
Toronto, ON M4T 1M2

Attention: Ms. Louise Knox, Director, Ontario Regional Office
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Ms. Knox:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
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Website: www.prowind.ca

November 18, 2008

General Manager
South Nation River Conservation Authority
Box 69
Berwick, ON K0C 1G0

Attention: Mr. Dennis O'Grady, General Manager
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. O'Grady:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

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Kemptville, ON
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November 18, 2008

County Planner and Head of Planning Dept.
United Counties of Stormount, Dundas and Glengarry
Suite 204, 26 Pitt Street
Cornwall, ON K6J 3P2

Attention: Mr. Michael Otis, County Planner and Head of Planning Dept.
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Otis:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

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Kemptville, ON
K0G 1J0
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Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

November 18, 2008

Warden
United Counties of Stormount, Dundas and Glengarry
2326 County Road 12
Berwick, ON K0C 1G0

Attention: Mr. Dennis Fife, Warden
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Fife:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

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Website: www.prowind.ca

November 18, 2008

Mayor
Township of North Dundas
13200 County Road #3, RR #2
Winchester, ON K0C 2K0

Attention: Mr. Alvin Runnalls, Mayor
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Runnalls:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

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Kemptville, ON
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Email: info@prowind.ca
Website: www.prowind.ca

November 18, 2008

Deputy Mayor
Township of North Dundas
10834 County Road #43, RR #2
Mountain, ON K0E 1S0

Attention: Ms. Estella Rose, Deputy Mayor
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Ms. Rose:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

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215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

November 18, 2008

Councilor
Township of North Dundas
447 May St.
Winchester, ON K0C 2K0

Attention: Mr. Allan Armstrong, Councilor
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Armstrong:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

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Website: www.prowind.ca

November 18, 2008

Councilor
Township of North Dundas
10560 Nelson Road
South Mountain, ON K0E 1W0

Attention: Mr. Eric Duncan, Councilor
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Duncan:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

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Email: info@prowind.ca
Website: www.prowind.ca

November 18, 2008

Councilor
Township of North Dundas
61 Chesterville Main St.
Chesterville, ON K0C 1H0

Attention: Mr. John Thompson, Councilor
Reference: Notice of Commencement of Environmental Screening for the Boundary Windfarm, in South Dundas, Ontario

Dear Mr. Thompson:

Prowind Canada Inc. is pleased to submit the Notice of Commencement of Environmental Screening for the Boundary Windfarm. This project is to be located in the Township of South Dundas and will consist of approximately 4 or 5 wind turbines with a total nameplate capacity of 10 MW. The project will also include access roads, overhead and underground electrical cables and a small switching substation. The enclosed notice indicate the study area for this project.

The Environmental Screening will investigate potential impacts of the project on several aspects of the natural, social, cultural and economic environments including wildlife, vegetation, noise, viewscapes and economy. Results of the research and field studies will be assembled into a final report for public and agency review in 2009.

As part of the screening process, public information sessions will be held in the coming months. Notification of these public events will be available through mail-outs and notices posted in local newspapers. If you would like to be notified of project updates and future information sessions, please contact us to be added to our project mailing list. I also encourage you to contact us with any questions or concerns regarding the proposed projects and Environmental Screening.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

Canadian Environmental Assessment Agency
55 St-Clair Avenue East
9th Floor, Room 907
Toronto, Ontario
M4T 1M2

Agence canadienne d'évaluation environnementale
55 Avenue St-Clair Est
9ième étage, pièce 907
Toronto, Ontario
M4T 1M2

December 15, 2008

Cathy Weston
Prowind Canada Inc.
P.O. Box 1678
215 Sanders Street, Suite 304
Kemptville, Ontario K0G 1J0

Dear Ms. Weston,

Re: Boundary Windfarm, Township of South Dundas

Thank you for your letter dated November 18, related to the above-noted project.

The *Canadian Environmental Assessment Act* (the Act), applies to federal authorities when they contemplate certain action or decisions in relation to a project that would enable it to proceed in whole or in part. A federal environmental assessment (EA) may be required when a federal authority:

a) is the proponent of the project;
b) provides financial assistance to the proponent;
c) sells, leases or otherwise disposes of federal lands; or
d) issues a permit, licence or any other approval as prescribed in the *Law List Regulations*.

If there is uncertainty as to whether the Act may also apply, the Agency can help proponents answer this question. For projects that are concurrently subject to both federal and provincial EA legislation, the Agency will act as the federal environmental assessment coordinator and facilitate the involvement of the federal authorities in a co-ordinated assessment aimed at meeting all agencies' needs simultaneously.

.../2

In order for the Agency to undertake either of these roles, it must have a project description that can be distributed to various federal authorities to determine their interest in the project while the provincial environmental assessment process is still ongoing. It is recognized that at the early stages of the planning process, there may not be much detailed information to provide. However, proponents should try to provide some information on:

- the nature of the project and its location;
- federal decisions which may be required, and which could enable the project to proceed in whole or in part;
- whether federal funding is being contemplated or federal lands are required.

To better assist proponents, the Agency has developed an Operational Policy Statement, which provides guidance in preparing project descriptions. This is available on the Agency's website at: http://www.ceaa-acee.gc.ca/013/0002/ops_ppd_e.htm.

If your purpose in sending us notification of your project is to determine whether the Canadian Environmental Assessment Act applies, please be aware that simple notification will not be sufficient. A project description will be required.

Please note that, for wind power projects in particular, one possible trigger for a federal EA is potential funding from Natural Resources Canada's (NRCan's) ecoENERGY for Renewable Power Program. Please be advised that the ecoENERGY for Renewable Power Program has recently revised its Terms and Conditions (in effect as of September 3, 2008, and available on the Program's website at www.ecoaction.gc.ca/ecorp.

Under the revised Terms and Conditions, the submission of a Notice of Project Application (NPA) is no longer sufficient for NRCan to determine if it is a Responsible Authority under the *Canadian Environmental Assessment Act*. Under the new Terms and Conditions, in order for NRCan to determine if it is a Responsible Authority due to the likely provision of funds from the ecoENERGY for Renewable Power Program, a proponent must complete the first two steps of the approval process outlined in the Program's new Terms and Conditions (i.e. Notice of Project Application and Technical Project Information) and sign a contribution agreement.

.../3

For proponents who have or will be soon applying to this funding program, NRCan has requested the information outlined on the attached page be included either within the Project Description or as a separate document along with the Project Description.

Other potential triggers include permits that are occasionally necessary for watercourse crossings associated with turbine access roads or transmission lines. Although the above is not an inclusive list of all potential triggers for a federal EA for wind energy projects, they are the most common.

You may wish to take the above information into consideration when deciding whether or not to prepare and submit a federal project description to the Agency at this time.

With particular reference to wind power proposals, please note that the Agency does not play a federal coordination role if the provincial environmental assessment process is complete. If your project may still be subject to a federal environmental assessment following the completion of the provincial process, please contact the federal agency who may be required to ensure a federal assessment is carried out, such as Natural Resources Canada, Fisheries and Oceans Canada, and/or Transport Canada.

Please also note that, regardless of whether there is a federal environmental assessment required for your project, Environment Canada has a mandated interest in the potential effects of wind farms on birds and can provide comment through the provincial EA process. For more information, please refer to their guidance document "Wind Turbines and Birds" at http://www.cws-scf.ec.gc.ca/publications/eval/turb/cont_e.cfm.

Important Note: Please be aware that release of documents to the public may be part of the EA process. Information provided by you related to the EA for this project will be part of the Canadian Environmental Assessment Registry and will be made available to members of the public, if requested. A package with additional information will be provided to you upon submission of the project description. Should you provide any documents that contain confidential or sensitive information that you believe should be protected from release to the public, please contact the undersigned to obtain an Exclusion Form. This Form can be used to identify the information to be considered for exclusion from the Canadian Environmental Assessment Registry and the rationale for the exclusion.

.../4

If you have any questions regarding any of the above, please contact me at 416-952-0832.

Sincerely,

Darla Cameron

Darla Cameron,
Senior Program Officer
Canadian Environmental
Assessment Agency, Ontario Region

DC/js

Ministry of the Environment

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

Ministère de l'Environnement

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

Ontario

January 7, 2009

Prowind Canada
P.O. Box 1678
215 Saunders St., Suite 304
Kemptville, Ontario
K0G 1J0

Attention: Cathy Weston

Dear Ms. Weston:

Re: Boundary Wind Farm, South Dundas Township, Prowind Canada Inc.

Thank you for your November 18, 2008 letter and the copy of the Notice of Commencement for the Boundary Wind Farm. We would also appreciate information on the newspapers in which the notice was published and the dates of publication.

The Notice indicates that Prowind Canada Inc. is proposing to develop a 10 MW wind farm with 5 turbines. The proposed project is northwest of the Village of Iroquois in South Dundas Township.

Electricity Projects Environmental Screening Process

The project is subject to the Electricity Projects Regulation O. Reg. 116/01.

The *Guide to Environmental Assessment Requirements for Electricity Projects* and the Electricity Projects Regulation are available through our Ministry of Environment website, at http://www.ene.gov.on.ca/envision/gp/4021e.pdf

This office is a mandatory contact for all Notices. Please send all notices and copies of reports and information packages to the attention of:

Ministry of the Environment, Eastern Region Office
1259 Gardiners Road, Unit 3
P.O. Box 22032
Kingston, ON K7M 8S5

Attention: Vicki Mitchell, Environmental Assessment Coordinator

When the project has been completed, we also request that a copy of the Statement of Completion be forwarded to us for our files.

We recommend that you contact the Canadian Environmental Assessment Agency (CEAA) to inform them of the project and to discuss whether review under the *Canadian Environmental Assessment Act* may be triggered. The contact at CEAA is:

Canadian Environmental Assessment Agency
55 St. Clair Avenue East, Suite 907
Toronto, ON M4T 1M2
Attention: Ms. Louise Knox, Regional Director
Phone: (416) 952-1575

If the federal environmental assessment process is triggered, there is an opportunity to coordinate agency consultation required for the federal process with the consultation for the Environmental Screening Process.

Please refer to appendices D, E and F for information on provincial and federal agencies that should be contacted early in the process, and triggers for the *Canadian Environmental Assessment Act* (CEAA). Please note that federal government agencies would like to be contacted even where there may not be a CEAA trigger.

As discussed in the Guide, proponents are strongly encouraged to circulate relevant sections of the Environmental Screening Report to the appropriate agency contacts for comment prior to the formal review. We generally recommend that the proponent circulate a draft of the report to agencies for review, prior to finalizing the report.

Consultation with Aboriginal Communities

MOE recommends that proponents contact the relevant agencies to determine whether there are potentially affected Aboriginal communities in the project area. The up-to-date list of agency contacts is maintained on the Environmental Assessment and Approvals Branch website at the following link:

http://www.ene.gov.on.ca/envision/env_reg/ea/english/General_info/GRTList.htm

Once identified, it is recommended that you provide notification directly to the Aboriginal communities who may be affected by the project and provide them with an opportunity to participate in the planning of the project.

Interference with Communications Signals

The Ministry of Government Services has brought to our attention the potential for wind turbines to interfere with the government of Ontario's Public Safety Network (used for emergency

services communication). In order to protect the integrity of this important radio network, please contact:

Mr. Lou Battiston
Manager, Technology Liaison
Government Mobile Communications Office
iServ Ontario
IT Service Delivery
155 University Avenue, 14th floor
Toronto ON M5H 3B7
Tel: (416) 327-0368
Fax: (416) 327-0353
Email: lou.battiston@mbs.gov.on.ca

CBC/Radio-Canada has brought to our attention the potential for wind turbines to interfere with the CBC/Radio-Canada broadcasting network (distribution networks, radio stations and television stations). In order to protect this broadcasting network, please notify the following contact. If possible, electronic versions of the documents are appreciated.

Wind Turbines Projects Coordination
Strategy & Planning
CBC Technology
1400 René-Lévesque Blvd. East
Local A10-8
Montréal, Québec H2L 2M2
Fax: (514) 597-3838
email: eoliennes_windturbines@cbc.ca

The Radio Advisory Board of Canada (RABC) and the Canadian Wind Energy Association (CanWEA) have developed guidelines to assess the potential for interference. The guidelines can be found at http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Wind%20Turbine%20Guidelines%20Final_ok-RABC%20CANWEA%20Wind%20Turbine%20Guidelines%20Final_ok1.pdf

MOE Approvals

Proponents are encouraged to submit technical reports prepared to support MOE Certificate of Approval applications to this office prior to submitting a formal application for approval, during the environmental screening process. These technical reports should be submitted to my attention, and I will forward them to staff in Environmental Assessment and Approvals Branch for review.

Although technical reports are circulated to the Regional office for coordination of review, the actual applications for Certificates of Approval and Permits to Take Water should be submitted to the attention of Sandra Guido, marked "Personal and Confidential". Please submit applications to:

Sandra Guido
Senior Program Support Coordinator
Environmental Assessment and Approvals Branch
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto ON M4V 1L5

MOE Areas of Interest

We recommend that the following issues be addressed during the planning stages of the project, and discussed in the Environmental Screening Report.

1) Noise impacts, both permanent and temporary,
2) Impacts to surface water due to construction in or near a watercourse, erosion or spills,
3) Impacts to wells due to spills, construction or extensive dewatering,
4) Management of surplus materials/waste.

Noise

Proponents of wind turbine projects must obtain a Certificate of Approval (Noise). MOE guidance on noise limits is given in the following documents: *Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), Publication NPC-232*, and *Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), Publication NPC-205*, both dated October 1995.

In addition, Environmental Assessment and Approvals Branch has recently prepared a document entitled *Interpretation for Applying MOE NPC Technical Publications to Wind Turbine Generators* which can be found at the http://www.ene.gov.on.ca/envision/gp/4709e.pdf. This document gives specific guidance on noise limits for wind turbine projects taking into consideration wind generated background noise, and discusses documentation requirements. If you have questions about the guidance document, please contact John Kowalewski, Technical Specialist (Noise) at (416) 314-0412.

Noise is an important issue in planning and siting a wind turbine project. Wind turbine developers must assess noise impacts early in the project planning process, as part of the Environmental Screening process. Although the assessment of noise impacts will form the basis of the Application for a Certificate of Approval, MOE staff advise that the assessment should be submitted to MOE as part of the environmental screening or environmental review. The MOE review of the noise assessment should take place prior to the 30 day public review period.

Any commitments to monitor sound levels from turbines should be outlined in the Environmental Screening Report. Noise mitigation measures to be used during construction should also be discussed in the report.

Construction Noise, Dust, Vibration

If blasting is necessary, then noise, dust and flyrock should be controlled. Where blasting is required, we recommend that protocols be set up and followed for on-site and receptor blast monitoring (vibration and concussion), and that 48 hour notice be given to area residents prior to blasting. Pre-blast surveys are recommended so that the company has baseline data when responding to complaints of property damage due to blasting.

Dust should be controlled along access roads and in construction areas.

Surface Water

Where there is a potential to impact creeks, rivers and lakes, appropriate mitigation measures should be considered prior to construction. Machinery should not operate directly in a watercourse; refuelling of all vehicles and equipment should be done away from watercourses; adequate erosion and sedimentation controls must be incorporated into the planning and construction for the project; the time of excavation to restoration must be kept to a minimum; disturbed shoreline should be stabilized as soon as possible; removal of vegetation should be kept to a minimum; materials removed and stockpiled such as excavated soil and backfill material must be contained in a manner to ensure sediment does not enter a waterway.

Guidance on nearshore construction and dredging may be obtained from this Ministry's *Guidelines for Evaluating Construction Activities Impacting on Water Resources* dated January 1995 and *Evaluating Construction Activities Impacting on Water Resources, Part III A, Part III B, and Part III C* dated February 1994.

If the construction involves any taking, dewatering, storage or diversion of water in excess of 50,000 litres per day a Permit to Take Water is required. This could include: dewatering during excavation of tower bases and trenches for underground cables; taking of water for mixing concrete; dewatering or diversion of creek flow to allow road construction and culvert installation in the dry.

A Spills Prevention and Response Plan should be in place to protect water resources, as discussed in the Waste section below.

Stormwater management should have regard for the MOE *Stormwater Management Practices Planning and Design Manual.*

Groundwater

As discussed above, if the construction involves any taking, dewatering, storage or diversion of water in excess of 50,000 litres per day a Permit to Take Water is required from this office.

We recommend well monitoring where blasting or extensive dewatering is required. Our standard recommendations regarding well monitoring are discussed below:

- Monitoring of wells within 100 metres of the construction should be carried out. Static water levels and depths for wells that are accessible for measurement should be recorded. Well construction details should also be recorded.

- Water samples should be collected from the wells after a suitable period of flow. The water should be analyzed for the following parameters: calcium, magnesium, sodium, chloride, sulphate, hydrogen sulphide, iron, conductivity, total dissolved solids, turbidity, colour, total organic carbon, organic nitrogen, BOD, nitrate, nitrite, ammonia, bacteriological parameters and any other site-specific relevant parameters.

- Statements should be obtained from homeowners on the adequacy of their supply. The accessibility of the well is the responsibility of the owner. If the owner does not agree to the testing and interviewing the owner's refusal should be recorded.

A Spills Prevention and Response Plan should be in place to protect water resources, as discussed in the section below.

Waste Material and Spills

The *Environmental Protection Act* (EPA) and Regulation 347 in particular, require waste to be classified and disposed of appropriately. Waste is to be transported by haulers who have a "Certificate of Approval – Waste Management System". Where waste is other than solid non-hazardous, the generator requires a "Generator Registration Number" from the Ministry and has obligations regarding manifesting of waste. When determining the waste category, the proponent must ensure compliance with Schedule 4 of Regulation 347. This would include construction waste, as well as any excavated materials.

If areas of contaminated soil are encountered, Ontario Regulation 153/04 and the accompanying *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act* provide direction on assessment, restoration and MOE soil criteria.

We recommend that the proponent have a Spills Prevention and Response Plan. The proponent should consider storing hydraulic fluids or fuels in a bermed area to ensure containment in the event of an accidental spill. Spill cleanup equipment should be retained on site at all times in the event of an accidental spill, and staff should be trained in the use of this equipment. The contractor should be made aware that spills should be reported to the Spills Action Centre of the Ministry of Environment at 1-800-268-6060.

Monitoring

We recommend that a chapter be included on environmental monitoring that will be performed for the project. The Report should summarize the monitoring programs that will be undertaken, parties responsible for undertaking the monitoring, agencies or stakeholders that will be circulated with each specific monitoring report, duration and frequency of monitoring and parameters to be monitored where applicable.

Complaints Protocol

There is a potential for impacts to residents during construction as a result of dewatering, blasting, truck traffic, and various other construction activities. We recommend that complaint response protocols be developed to address reported well water disturbances, noise, dust and claims of property damage.

The complaints protocol should identify the names and telephone numbers of contacts who are responsible for addressing issues or complaints raised by members of the public. The protocol should also include a strategy for notifying the public, the municipality and provincial agencies (including MOE) of the appropriate contact information. This strategy should include but not be limited to signage on site with contact information. The first point of contact for construction impacts must be the proponent of the project or the agent for the proponent; MOE would not be responsible for addressing complaints about blasting, construction noise and dust.

Similarly, a complaints protocol should be developed for reported problems during operation of the wind farm, identifying staff that will respond to and address complaints.

Other Sources of Information

Although some agencies are able to provide mapping information identifying areas of concern, MOE does not have this capability at this time. The onus is therefore on the proponent to collect information on the environment and assess potential impacts. If you would like specific information on a particular site, direct contact with staff in the District office may be appropriate. Similarly, contact with this office's Water Resources Unit may be appropriate if you are looking for information on a specific water course. For general requests for a large area, the following contacts may be helpful to you:

For water well records:	1-888-396-9355	(phone)
	(416) 235-5960	(fax)

For information on contaminated sites, landfills:

FOI Coordinator
40 St. Clair Avenue W., 9'th Floor
Toronto, Ontario, M4V 1M2
(416) 314-4075 (phone)
(416) 314-4285 (fax)

This Ministry's Waste Disposal Site Inventory, dated June 1991, may also be helpful in identifying the locations of open and closed waste disposal sites in Ontario.

Thank you for providing a copy of the notice. If you have questions or concerns about the above comments, please contact me at (613) 540-6852.

Yours sincerely,

Vicki Mitchell
EA Coordinator
Technical Support Section
Eastern Region
VM/gl

c: M.K. Ince and Associates Ltd., P.O. Box 650, 35 Main St. North, Suite 32, Waterdown, ON L0R 2H0, Attn: Caitlyn MacMaster

Ministry of the Environment

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

Ministère de l'Environnement

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

Ontario

January 6, 2009

M.K. Ince and Associates Ltd.
P.O. Box 650
35 Main St. North, Suite 32
Waterdown, Ontario
L0R 2H0

Attention: Jacinta McNairn, P.Eng.

Dear Ms. McNairn:

Re: Brinston and South Branch Wind Farms, South Dundas Township, Prowind Canada Inc.

I received copies of Notices of Commencement for the above proposed wind farms through the Ministry of Municipal Affairs (MMAH) on November 17, 2008. The notices were sent to MMAH on April 8, 2008. To my knowledge, the Ministry of the Environment did not receive copies of these notices.

This office is a mandatory contact for electricity projects following the Environmental Screening Process in MOE Eastern Region, and the MOE review of wind projects is coordinated through the Regional office. Please direct future letters and notices to:

Ministry of the Environment, Eastern Region Office
1259 Gardiners Road, Unit 3
P.O. Box 22032
Kingston, ON K7M 8S5

Attention: Vicki Mitchell, Environmental Assessment Coordinator

We would appreciate information on the newspapers in which the notices were published and the dates of publication.

The notices indicate that Prowind Canada Inc. is proposing to develop two 10 MW wind farms consisting of 5 turbines each, on properties that are adjacent to each other. The proposed projects are near Brinston in South Dundas Township.

As the two projects are adjacent to each other, we recommend that the two projects be planned as one project for the purposes of fulfilling the Environmental Assessment requirements. The Environmental Screening Report and supporting technical studies (for example, the noise study) must evaluate the impacts of the project as a whole. The Guide to Environmental Assessment Requirements for Electricity Projects states that "it is inappropriate for proponents to break up or "piecemeal" a larger project into separate components or phases, with each part addressed as a separate project" (page 29 of Guide).

Electricity Projects Environmental Screening Process

The project is subject to the Electricity Projects Regulation O. Reg. 116/01.

The *Guide to Environmental Assessment Requirements for Electricity Projects* and the Electricity Projects Regulation are available through our Ministry of Environment website, at http://www.ene.gov.on.ca/envision/gp/4021e.pdf

This office is a mandatory contact for all Notices. Please send all notices and copies of reports and information packages to the address provided above.

When the project has been completed, we also request that a copy of the Statement of Completion be forwarded to us for our files.

We recommend that you contact the Canadian Environmental Assessment Agency (CEAA) to inform them of the project and to discuss whether review under the *Canadian Environmental Assessment Act* may be triggered. The contact at CEAA is:

Canadian Environmental Assessment Agency
55 St. Clair Avenue East, Suite 907
Toronto, ON M4T 1M2
Attention: Ms. Louise Knox, Regional Director
Phone: (416) 952-1575

If the federal environmental assessment process is triggered, there is an opportunity to coordinate agency consultation required for the federal process with the consultation for the Environmental Screening Process.

Please refer to appendices D, E and F for information on provincial and federal agencies that should be contacted early in the process, and triggers for the *Canadian Environmental Assessment Act* (CEAA). Please note that federal government agencies would like to be contacted even where there may not be a CEAA trigger.

As discussed in the Guide, proponents are strongly encouraged to circulate relevant sections of the Environmental Screening Report to the appropriate agency contacts for comment prior to the formal review. We generally recommend that the proponent circulate a draft of the report to agencies for review, prior to finalizing the report.

Consultation with Aboriginal Communities

MOE recommends that proponents contact the relevant agencies to determine whether there are potentially affected Aboriginal communities in the project area. The up-to-date list of agency contacts is maintained on the Environmental Assessment and Approvals Branch website at the following link:

http://www.ene.gov.on.ca/envision/env_reg/ea/english/General_info/GRTList.htm

Once identified, it is recommended that you provide notification directly to the Aboriginal communities who may be affected by the project and provide them with an opportunity to participate in the planning of the project.

Interference with Communications Signals

The Ministry of Government Services has brought to our attention the potential for wind turbines to interfere with the government of Ontario's Public Safety Network (used for emergency services communication). In order to protect the integrity of this important radio network, please contact:

Mr. Lou Battiston
Manager, Technology Liaison
Government Mobile Communications Office
iServ Ontario
IT Service Delivery
155 University Avenue, 14th floor
Toronto, ON M5H 3B7
Tel: (416) 327-0368
Fax: (416) 327-0353
Email: lou.battiston@mbs.gov.on.ca

CBC/Radio-Canada has brought to our attention the potential for wind turbines to interfere with the CBC/Radio-Canada broadcasting network (distribution networks, radio stations and television stations). In order to protect this broadcasting network, please notify the following contact. If possible, electronic versions of the documents are appreciated.

Wind Turbines Projects Coordination
Strategy & Planning
CBC Technology
1400 René-Lévesque Blvd. East
Local A10-8
Montréal, Québec H2L 2M2
Fax: (514) 597-3838
email: eoliennes_windturbines@cbc.ca

The Radio Advisory Board of Canada (RABC) and the Canadian Wind Energy Association (CanWEA) have developed guidelines to assess the potential for interference. The guidelines can be found at http://www.rabc-cccr.ca/Files/RABC%20CANWEA%20Wind%20Turbine%20Guidelines%20Final_ok-RABC%20CANWEA%20Wind%20Turbine%20Guidelines%20Final_ok1.pdf

MOE Approvals

Proponents are encouraged to submit technical reports prepared to support MOE Certificate of Approval applications to this office prior to submitting a formal application for approval, during the environmental screening process. These technical reports should be submitted to my attention, and I will forward them to staff in Environmental Assessment and Approvals Branch for review.

Although technical reports are circulated to the Regional office for coordination of review, the actual applications for Certificates of Approval and Permits to Take Water should be submitted to the attention of Sandra Guido, marked "Personal and Confidential". Please submit applications to:

Sandra Guido
Senior Program Support Coordinator
Environmental Assessment and Approvals Branch
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto ON M4V 1L5

MOE Areas of Interest

We recommend that the following issues be addressed during the planning stages of the project, and discussed in the Environmental Screening Report.

1) Noise impacts, both permanent and temporary,
2) Impacts to surface water due to construction in or near a watercourse, erosion or spills,
3) Impacts to wells due to spills, construction or extensive dewatering,
4) Management of surplus materials/waste.

Noise

Proponents of wind turbine projects must obtain a Certificate of Approval (Noise). MOE guidance on noise limits is given in the following documents: *Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), Publication NPC-232*, and *Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), Publication NPC-205*, both dated October 1995.

In addition, Environmental Assessment and Approvals Branch has recently prepared a document entitled *Interpretation for Applying MOE NPC Technical Publications to Wind Turbine Generators* which can be found at the http://www.ene.gov.on.ca/envision/gp/4709e.pdf. This document gives specific guidance on noise limits for wind turbine projects taking into consideration wind generated background noise, and discusses documentation requirements. If you have questions about the guidance document, please contact John Kowalewski, Technical Specialist (Noise) at (416) 314-0412.

Noise is an important issue in planning and siting a wind turbine project. Wind turbine developers must assess noise impacts early in the project planning process, as part of the Environmental Screening process. Although the assessment of noise impacts will form the basis of the Application for a Certificate of Approval, MOE staff advise that the assessment should be submitted to MOE as part of the environmental screening or environmental review. The MOE review of the noise assessment should take place prior to the 30 day public review period.

Any commitments to monitor sound levels from turbines should be outlined in the Environmental Screening Report. Noise mitigation measures to be used during construction should also be discussed in the report.

Construction Noise, Dust, Vibration

If blasting is necessary, then noise, dust and flyrock should be controlled. Where blasting is required, we recommend that protocols be set up and followed for on-site and receptor blast monitoring (vibration and concussion), and that 48 hour notice be given to area residents prior to blasting. Pre-blast surveys are recommended so that the company has baseline data when responding to complaints of property damage due to blasting.

Dust should be controlled along access roads and in construction areas.

Surface Water

Where there is a potential to impact creeks, rivers and lakes, appropriate mitigation measures should be considered prior to construction. Machinery should not operate directly in a watercourse; refuelling of all vehicles and equipment should be done away from watercourses; adequate erosion and sedimentation controls must be incorporated into the planning and construction for the project; the time of excavation to restoration must be kept to a minimum; disturbed shoreline should be stabilized as soon as possible; removal of vegetation should be kept to a minimum; materials removed and stockpiled such as excavated soil and backfill material must be contained in a manner to ensure sediment does not enter a waterway.

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hazardous, the generator requires a "Generator Registration Number" from the Ministry and has obligations regarding manifesting of waste. When determining the waste category, the proponent must ensure compliance with Schedule 4 of Regulation 347. This would include construction waste, as well as any excavated materials.

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Similarly, a complaints protocol should be developed for reported problems during operation of the wind farm, identifying staff that will respond to and address complaints.

Other Sources of Information

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(416) 235-5960 (fax)

For information on contaminated sites, landfills:

FOI Coordinator
40 St. Clair Avenue W., 9'th Floor
Toronto, Ontario, M4V 1M2
(416) 314-4075 (phone)
(416) 314-4285 (fax)

This Ministry's Waste Disposal Site Inventory, dated June 1991, may also be helpful in identifying the locations of open and closed waste disposal sites in Ontario.

Thank you for providing a copy of the notice for our review. If you have questions or concerns about the above comments, please contact me at (613) 540-6852.

Yours sincerely,

Vicki Mitchell
EA Coordinator
Technical Support Section
Eastern Region
VM/gl

c: Prowind Canada Inc., P.O. Box 1678, 215 Sanders St., Suite 204, Kemptville, ON, K0G 1J0, Attn: Cathy Weston

United Counties of
Stormont, Dundas & Glengarry
26 Pitt Street, Cornwall, Ontario K6J 3P2

Tel: 613-932-1515 • Fax: 613-936-2913 • info@sdgcounties.ca • www.sdg.on.ca

April 15, 2008

Jacinta McNairn, P.Eng.
M.K. Ince and Associates Ltd.
35 Main Street North, P.O. Box 650
WATERDOWN, ON., L0R 2H0

Dear Mr. McNairn

Re: Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm in South Dundas, Ontario

We are in receipt of the above mentioned notice and thank you for the opportunity to provide comments with respect to these projects. From a Planning perspective we would like to offer the following comments:

- In the County Official Plan Land Use Schedule A2 indicates that these properties are designated as Agricultural Resource Lands which permits agricultural uses, secondary uses and agricultural related uses. However alternate energy operations are not a permitted use in this designation. An Official Plan amendment would be necessary for the proposed use in this area. Section 3.06.7.7 deals with alternate energy.

  *"7. **Energy Conservation and Green Energy***

  Energy conservation will be promoted through the orientation and massing of buildings for solar gain, building retrofit, use of vegetation for cooling or warmth, by considering alternative development standards and by considering alternative energy sources in the design and development of communities.

  Communities are also encouraged to develop or encourage opportunities for 'green' energy e.g. small electrical generating facilities, co-generation facilities, solar panels etc., as part of the development of urban and rural landscapes.

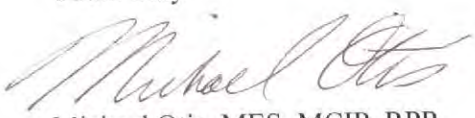
  A more comprehensive policy for wind turbine farms shall be prepared and incorporated into this Plan by a future amendment. In the interim, individual wind turbine farms shall be permitted only by amendment to this Plan."

  Therefore an Official plan amendment would be required for the wind farm development.

- Constraints Schedule B2 of the County Official Plan indicates that a large portion of the area being considered for this development is located in a Regulatory Flood Plain, an area where structures are generally not encouraged. We would suggest that you contact South Nation Conservation concerning development in this particular area.

Should you have any question regarding these comments please contact Jack Sullivan at Extension 245 or the undersigned at extension 219.

Yours truly



Michael Otis, MES, MCIP, RPP
County Planner

cc. Don Lewis, Twp. of South Dundas

Environment Canada | Environnement Canada

Environmental Protection Operations Division - Ontario
Environment Canada
P.O. Box 5050, 867 Lakeshore Road
Burlington, Ontario L7R 4A6

Our File No.: 2007-132

April 29, 2008

Jacinta McNairn
M.K. Ince and Associates Ltd.
P.O. Box 650, 35 Main Street North, Suite 32
Waterdown, Ontario
L0R 2H0

Dear Ms. McNairn,

Re: Notices of Commencement - Environmental Screening for the Proposed Brinston & South Branch Wind Farms

Thank you for providing Environment Canada with the opportunity to comment on the two, proposed 10 MW wind farms to be located in the Township of South Dundas, Ontario. Environment Canada has an interest in these projects and is pleased to offer the following preliminary scoping comments to M.K. Ince and Associates for consideration in the provincial Environmental Screening Process, as well as in the federal environmental assessment (EA) process should the *Canadian Environmental Assessment Act* (CEAA) be triggered.

Based on the information we have received about the project, we have determined that, at this time, Environment Canada does not have any obligations that would trigger a federal environmental assessment of the project under CEAA. We recommend, however, that you consult with the Canadian Environmental Assessment Agency as to whether any other federal departments have, or are likely to have, any project triggers under CEAA. The Agency can provide additional advice on the requirements of CEAA, which include an assessment of the significance of environmental effects, cumulative environmental effects, and the need for a follow-up program. The Agency's Ontario Region Office can be contacted at:

55 St. Clair Avenue East, Room 907, Toronto, ON M4T 1M2
Tel.: (416) 952-1576, Fax: (416) 952-1573
E-mail: ceaa.ontario@ceaa-acee.gc.ca

Project Details

It is our understanding that the two, proposed 10 MW projects are to be located near Brinston in Dundas County, Ontario. More specifically:

- The South Branch Wind Farm, which will consist of five (5) turbines, is to be located approximately 2 km north of the town of Brinston on the east side of Brinston Road and north to Oak Valley Road.
- The Brinston Wind Farm, which will also consist of five (5) turbines, is to be located east of Brinston Road, straddling the north and south sides of Gilmour Road.

EcoLogo® Paper / Papier Éco-Logo®

Please note that the preliminary advice provided in this letter is based upon our understanding of the project as described in your Notices of Commencement of an Environmental Screening. Should details of the project change (e.g., expansion of the study area, increase in the size and/or amount of turbines), certain comments and recommendations in this letter may no longer be relevant. Please contact our department as soon as possible when such changes to the projects are planned so that we can confirm or adjust our advice. We would also appreciate further details on the project description (including final layout, materials, and related project infrastructure) and detailed information on the study area so that we may provide more specific advice in the course of this EA.

In particular, to assist Environment Canada in tracking your project within the large volume of wind power reviews we conduct in Ontario, please provide us with coordinates (lat/long) for the central points of your wind power facility. If your project involves several locations, then please provide central coordinates for each location. This information is available at http://geonames.nrcan.gc.ca/search/search_e.php.

If possible, we would also like to receive the following on CD ROM or DVD:

A shapefile of your wind power facility, with the following attribute information:

NAME (Farm Name) (Text 75),
MW_CAP (Megawatt Capacity) (Short Integer 4),
PROPONENT (Proponent Name) (Text 50),
TURBINES (# of Turbines) (Text 50),
STATUS (Status of the Farm) (Text 50)

We require GIS data to be delivered electronically using ARCGIS 9.2 export format and shapefiles to be delivered with the following map coordinate system:

Projection: Geographic
Datum: NAD 83
Units: Degree Units

Environment Canada's Interests

Regardless of the application of CEAA, we have an interest in the project and wish to participate in the environmental assessment, including review of any proposed baseline monitoring and the draft environmental screening report when available.

Environment Canada supports the development of renewable energy sources such as wind farms, and we recognize the environmental benefits to air quality and climate change aspects that they will help to achieve, relative to other forms of energy production. Nevertheless, it is important that any energy or electricity production project be carried out in a manner that does not result in significant adverse environmental effects; thus, there is the need for proper consideration of such effects through the EA process. In this light, we offer the following comments and suggestions in consideration of potential adverse environmental effects on migratory birds, species at risk, water quality, biodiversity, and weather radar in the EA. As further information is made available for our review, we may provide additional comments and advice on these aspects, as well as on any other environmental considerations that become evident later in the EA process.

Environment Canada's foregoing comments are intended to provide expert support to project proponents and decision-makers, in accordance with its program-related responsibilities and associated guidelines and policies. These comments are in no way to be interpreted as any type of acknowledgement, compliance, permission, approval, authorization, or release of liability related to any requirements to

comply with federal or provincial statutes and regulations. Responsibility for achieving regulatory compliance and cost effective risk and liability reduction lies solely with the project proponent.

Please refer to the attached Appendix which provides further details of legislation and policies that should be consulted within the context of our comments and recommendations.

Provincial Responsibilities

Most raptors and bats in Ontario have some degree of protection under the Province's *Fish and Wildlife Conservation Act*, which is administered by the Ontario Ministry of Natural Resources (MNR). MNR has expertise to offer regarding these species and may have pertinent information about species that are known, or are suspected, to occupy areas near the project site. As a result, the proponent should ensure that staff of the local MNR office is consulted on these important species. MNR has information on local natural heritage features, habitat, species at risk and other data that may be of use in preparing your EA. We would appreciate being copied on any correspondence you have with MNR about these projects.

Migratory Birds

An important aspect of our review will be the project's potential impacts on migratory birds. We recommend that the EA consider impacts on migratory birds, other bird species of concern (i.e., those bird species under provincial jurisdiction), and their habitats, and describe measures to mitigate any adverse environmental effects. Adverse environmental effects on migratory birds could occur through direct mortality or disturbance during construction (including during site access, site preparation and equipment staging) or during operation/maintenance of the facility (including through collisions with the turbines or avoidance of the project site for breeding), or through habitat loss or impairment. The EA should also consider the potential for such effects from associated project components, such as access roads and transmission lines, if applicable.

Wind Turbines and Birds EA Guide and Recommended Protocols

Environment Canada recommends that you become familiar (if not already) with the background information and guidance documents we have developed to assist in the characterization of a wind power site's risk with respect to potential adverse impacts on birds, and in conducting the EA, including an assessment of cumulative effects and any follow-up requirements. These documents are:

- *Wind Turbines and Birds: A Background Review for Environmental Assessment;* prepared for Environment Canada/Canadian Wildlife Service, April 2, 2007 - DRAFT.
- *Wind Turbines and Birds: A Guidance Document for Environmental Assessment;* prepared by Environment Canada/Canadian Wildlife Service, February, 2007 (hereafter referred to as "the Guide").
- *Recommended Protocols for Monitoring Impacts of Wind Turbines on Birds;* prepared by Environment Canada/Canadian Wildlife Service, February 19, 2007 (hereafter referred to as "the Recommended Protocols").

The first document listed above contains the results of an extensive literature review on wind turbine and bird interactions from around the world. The document is intended to be used as a companion document to the Guide.

The second document noted above, the Guide, should be used as a pre-assessment tool to identify site and design features that should be considered when selecting turbine locations to minimize potential impacts or risk to birds. For example, the Guide and its supporting document can be used to alert developers to important siting considerations, lighting options and basic turbine characteristics that pose the least risk to birds. Early planning to avoid features that potentially lead to high risk can reduce the subsequent level of effort required in the EA. The Guide follows a matrix approach, based on site sensitivity and facility size, to rank the level of concern associated with the proposed project, and then

identifies baseline information and operational monitoring requirements according to four "level of concern" categories. We recommend the site sensitivity and level of concern be evaluated as per the Guide.

The third document referred to above recommends specific protocols to follow to gather baseline information on the birds that use and move through the area to be developed, and to provide follow-up information on the actual impact of the wind farm project on the birds of the area. The Recommended Protocols are based upon the level of concern associated with a particular site.

We strongly encourage use of the Guide and Recommended Protocols when designing studies to determine a project's potential impacts on migratory birds and for selecting appropriate facility siting, design and operation. However, these documents should not be regarded as exhaustive or restrictive. They should serve as the starting point for discussions with Environment Canada on each project and should be used in consultation with Environment Canada when considering site-specific concerns. Electronic copies of these three guidance documents are included in the email transmission of this letter.

Consultation with Environment Canada

Environment Canada administers the *Migratory Birds Convention Act, 1994* and enforces its regulations. It is therefore important that proponents of projects that have the potential to interact with migratory birds, such as wind farms, consult Environment Canada as early as possible to determine the necessary level of effort for minimizing adverse impacts. Early consultation may also assist in avoiding project delays due to missed seasonal surveys, and may avoid unnecessary costs where lesser effort or alternative procedures are warranted. If, after reviewing the abovementioned guidance documents and information sources, it is determined that baseline studies are required, we encourage proponents to consult Environment Canada regarding the required level of baseline studies and their design prior to conducting any fieldwork.

Environment Canada strongly encourages ongoing consultation with our department when developing pre-construction avian surveys, as well as the submission of your draft monitoring protocols (intended to collect baseline information on the use of the study area by migrating, breeding or wintering birds) to us prior to implementation. We always recommend that planning for baseline studies should take place well in advance of the appropriate season, and draft monitoring protocols should be submitted to Environment Canada and other review agencies with enough lead time to allow for proper review and modification, as necessary. By consulting early and often with Environment Canada, as is recommended in the Guide, proponents can help to prevent future delays in project approvals and avoid unnecessary fieldwork.

Species at Risk

The EA should consider adverse effects on species of local, regional, provincial or federal concern, including wildlife species listed under the federal *Species at Risk Act* (SARA). The nature of species at risk may make them particularly sensitive to development projects, including wind power projects. Existing background information should be collected to determine whether any species of concern are known or expected to use the site or adjacent lands if they are within the zone of influence of the project. It might be useful to consult the Natural Heritage Information Centre database maintained by the Ontario Ministry of Natural Resources in Peterborough (http://nhic.mnr.gov.on.ca/MNR/nhic/data.cfm). Environment Canada's species at risk search tool (http://www.speciesatrisk.gc.ca) will also assist in determining whether the ranges of any SARA Schedule 1 listed species at risk overlap with the site.[1]

[1] We caution that distribution data contained in these databases do not represent an exhaustive and comprehensive inventory of a species' current distribution. Only field inventories can determine with reasonable certainty the presence of species at risk within

If there is potential for species at risk to occur at a project site (i.e., previous known occurrence, species range overlap and/or known habitat preference exists), information on the habitat preference of the species should be compared with information on the habitats at the project site to determine if the area could support that species. A qualified biologist should conduct a thorough biological inventory of all areas of natural habitat that may be affected by the project and have the potential to support species at risk. A strategy should then be developed to protect any identified species at risk, with a primary focus on avoidance. Environment Canada would be interested in reviewing and commenting on the methods used to conduct the biological inventory, as well as any measures that are devised to protect and identify species at risk.

In addition to the resources above that can be consulted regarding the possible locations of species at risk, Environment Canada has also produced a guide that can be used as a general reference for dealing with species at risk in EA. The "Environmental Assessment Best Practice Guide for Wildlife at Risk in Canada" (February 2004) is available via the internet on the Environment Canada website at http://www.cws-scf.ec.gc.ca/publications/AbstractTemplate.cfm?lang=e&id=1059. This guide outlines the general responsibilities of proponents and EA practitioners for considering wildlife at risk in an EA, and promotes more thorough, efficient and consistent collection and assessment of information regarding wildlife at risk.

Biodiversity

The *Canadian Biodiversity Strategy* was developed by the government of Canada in response to the United Nations Convention on Biological Diversity, which was signed by Canada and more than 160 other countries in 1992. According to the *Strategy*, federal, provincial and territorial governments are to implement a number of goals, including the conservation of biodiversity. We suggest that the screening should:

- Give full consideration to potential impacts of the wind facility on woodlots, wetlands and other sensitive habitats due to alteration, loss or fragmentation;
- Include potential adverse effects on biodiversity, such as the potential for the establishment of exotic, invasive plant species and possible effects on genetic and species diversity; and
- Describe any ecological restoration efforts, with particular attention to important habitat areas.

Water Quality

The EA should include a consideration of any potential impacts on water quality resulting from the projects. Construction, operation or maintenance works over or near watercourses, wetlands or other water bodies may impact water quality if there is the potential for the release of deleterious substances (including sediment) into receiving waters. A sediment and erosion control plan should be developed to mitigate potential effects on water quality, and appropriate measures should be adopted to minimize any impacts of accidental spills during construction, operation and maintenance.

Environment Canada Weather Radar

Environment Canada operates eight weather radar stations across Ontario. These are Exeter (north of London), King City (north of Toronto), Franktown (south of Ottawa), Britt (south of Sudbury), Montreal River Harbour (north of Sault Ste. Marie), Timmins, Nipigon, and Dryden. Their locations are shown on the composite radar display (http://weatheroffice.ec.gc.ca/radar/index_e.html).

In certain circumstances, wind turbines, either as single units or grouped together in a wind farm, can negatively affect radio, telecommunications, radar or seismoacoustic systems within a certain distance of the turbine(s). Wind turbines can affect weather radar signals by partial or total blockage and create

---

an area when precise knowledge of the presence/absence of species at risk is required for environmental assessment or for legal purposes (e.g., compliance with the *Species at Risk Act*).

intensity (ground) and Doppler (broad spectral width) clutter. This interference can adversely affect the radar's operational performance (e.g., detection of storms, rainfall/snowfall rate, and lower-level wind shear), and hence, can potentially cause extreme weather conditions to be misrepresented.

The Radio Advisory Board of Canada, in consultation with Environment Canada and the Canadian Wind Energy Association, has recently produced a guidance document entitled "Technical Information and Guidelines on the Assessment of the Potential Impact of Wind Turbines on Radiocommunication, Radar, and Seismoacoustic Systems" (April 2007), a copy of which can be found at http://rabc.ottawa.on.ca/e/publications.cfm. This document provides a basic explanation of the types of interference that may be caused by wind turbines, and provides guidance on determining when effects are possible and proponents should consult with Environment Canada. With respect to weather radar, the document advises consultation for developments within 80 km of an Environment Canada weather radar station. **Please note that the two, proposed wind farms in the Township of South Dundas may fall within the 80 km radius of the weather radar station near Franktown, Ontario.**

For more information on the Environment Canada Radar Network and the location of individual radar, please refer to the Environment Canada web site at http://weatheroffice.ec.gc.ca/radar/index_e.html

In order to evaluate the potential impacts of the proposed wind farm on our weather radar system, Environment Canada requires detailed information on the project, including the final number and placement configuration of turbines and their size/height and component materials. We also require details on the project site, including the terrain and landforms in the area in relation to the turbine locations. We will model this information to determine the expected extent of data contamination and impacts on our weather radar system. Mitigation measures to reduce or prevent impacts, if required, would depend on the type of interference, but may include implementation of radar software filters and masks, reducing the radar cross section (RCS) by rearranging/relocating the turbines, and/or using radar-absorbing or non-reflective turbine materials. Unless advised otherwise, I will be your primary contact for consultation with Environment Canada regarding our weather radar concerns and information needs.

I trust that this information will assist you in the preparation of the Environmental Screening Reports for the two, proposed 10 MW wind farms to be located in the Township of South Dundas, Ontario. I would appreciate receiving a copy of the reports for review when available. If you have any questions regarding these comments, please do not hesitate to contact me at (416) 739-5962 or by e-mail at Sheryl.Lusk@ec.gc.ca.

Sincerely,

Sheryl Lusk
Environmental Assessment Officer

cc: S. Allan, EC
L. Yao, MSC

APPENDIX

Regulatory and Policy Context for Environment Canada's Comments and Advice

Environment Canada's mandate to protect the environment and to actively promote sustainable development extends beyond the Department's legislated responsibilities for undertakings that trigger the *Canadian Environmental Assessment Act*. Our review and comments are related, but not limited, to our areas of interest and expertise arising from the following legislation, policies and agreements. More information is available on-line, as indicated.

Legislation

Department of Environment Act

http://laws.justice.gc.ca/en/E-10/text.html

The *Department of Environment Act* provides Environment Canada (EC) with general responsibility for environmental management and protection. Its obligations extend to and include all matters over which Parliament has jurisdiction, and have not by law been assigned to any other department, board, or agency of the Government of Canada as related to: preservation and enhancement of the quality of the natural environment (e.g., water, air, soil), renewable resources including migratory birds and other non-domestic flora and fauna, water, meteorology, and coordination of policy and programs respecting preservation and enhancement of the quality of the natural environment.

The *Department of Environment Act* states that EC has a mandated responsibility to advise heads of federal departments, boards and agencies on matters pertaining to the preservation and enhancement of the quality of the natural environment. This responsibility is reinforced as per subsection 12(3) of CEAA, which states that federal departments must provide specialist and expert information or knowledge to other federal departments or review panels.

Canadian Environmental Protection Act, 1999

http://www.ec.gc.ca/CEPARegistry/subs_list/
http://www.ec.gc.ca/CEPARegistry/policies/

The Canadian Environmental Protection Act, 1999 (CEPA) contributes to sustainable development through pollution prevention and protects the environment, human life and health from the risks associated with toxic substances. Key parts of CEPA include:

- Public participation;
- Information gathering, objectives, guidelines and codes of practice;
- Pollution prevention;
- Controlling toxic substances;
- Animate products of biotechnology;
- Controlling pollution and managing wastes including nutrients, protection of the marine environment, disposal at sea, fuels, vehicle engine and equipment emissions, international air pollution and international water pollution, and hazardous and non-hazardous waste;
- Environmental matters related to emergencies including requirements for environmental emergency plans;
- Government operations - federal and aboriginal lands including regulations to close any regulatory gap between federal and provincial requirements; and,
- Enforcement.

The Canadian Environmental Protection Act, 1999 enables the government to manage a toxic substance throughout its life cycle. Provisions under CEPA require Environment Canada, under certain conditions, to develop a "regulation or preventive or control instrument" for a substance that is found to be "toxic" under the Act. CEPA further requires the virtual elimination of anthropogenic releases to the environment of substances that are declared toxic and that are bioaccumulative and persistent. CEPA also establishes the requirements for the assessment of chemicals, polymers and products of biotechnology, prior to import or manufacture of substances not on the Domestic Substances List.

Fisheries Act

http://www.ec.gc.ca/ele-ale/policies/c_and_e_fisheries_act/main_e.asp.

Environment Canada's mandate to advocate for the protection of water quality stems from the pollution prevention provisions of the *Fisheries Act*, which are administered by EC. Please be advised that the Compliance and Enforcement Policy for the Habitat Protection and Pollution Prevention Provisions of the *Fisheries Act* states that compliance with the federal *Fisheries Act* is mandatory. Subsection 36(3) of the *Fisheries Act* specifies that, unless authorized by federal regulation, no person shall deposit or permit the deposit of deleterious substances of any type in water frequented by fish, or in any place under any conditions where the deleterious substance, or any other deleterious substance that results from the deposit of the deleterious substance, may enter any such water. Proponents should note that only a federal regulation under the *Fisheries Act* or another Act of Parliament can authorize a discharge of a deleterious substance; no federal permit, provincial, territorial or municipal regulatory permit or approval allows for exemption from the *Fisheries Act*.

In the application of the *Fisheries Act*, court cases have accepted that a discharge or effluent that is acutely lethal to fish is deleterious. In other words, results of tests designed to determine whether fish will die in an effluent or discharge within a specified time period will determine one aspect of deleteriousness. However, any substance with a potentially harmful chemical, physical or biological effect on fish or fish habitat is also deleterious. For example, substances (such as sediment) that smother nesting areas or spawning grounds, or interfere with reproduction, feeding or respiration of fish at any point in their life cycle are also considered deleterious. In general, any substance with a potentially harmful chemical, physical or biological effect on fish or fish habitat may be considered deleterious.

The act of depositing a deleterious substance should be considered a violation of the *Fisheries Act*, regardless of whether the water itself is made deleterious by the deposit. Subsection 36(3) of the *Fisheries Act* makes no allowance for a mixing or dilution zone. Any measurements or tests to determine whether something is deleterious should be done where the substance is at its highest concentration, typically at the point of discharge to the receiving water.

Migratory Birds Convention Act, 1994

http://www.cws-scf.ec.gc.ca/legislations/laws1_e.cfm

The disturbance, destruction or taking of a nest, egg, nest shelter, eider duck shelter or duck box of a migratory bird are prohibited under section 6 of the *Migratory Bird Regulations* (MBRs), under the authority of the *Migratory Birds Convention Act, 1994* (MBCA)*. "Incidental take" is the killing or harming of migratory birds due to actions, such as economic development, which are not primarily focused on taking migratory birds. No permit can be issued for the incidental take of migratory birds or their nests as a result of economic activities.

Under section 5.1 of the MBCA, no person shall deposit or permit to be deposited oil, oil wastes or any other substance harmful to migratory birds in any waters or any area frequented by migratory birds.

* Please note that amendments to the MBCA in Bill C-15 came into force on June 28, 2005. This pollution prohibition was previously contained in s. 35(1) of the *Migratory Bird Regulations*, which has now been repealed and is included as s. 5.1 of the amended MBCA, 1994.

Species at Risk Act

http://www.speciesatrisk.gc.ca/default_e.cfm

The *Species at Risk Act* (SARA) has resulted in a consequential amendment to CEAA that amends the definition of "environmental effect" to clarify that all federal EAs must always consider adverse effects on listed wildlife species, and the critical habitat or residences of individuals of that species. In addition, section 79(2) of SARA requires that when a federal EA is carried out on a project that may affect a listed species or its critical habitat, adverse environmental effects must be identified, mitigation measures must be taken to avoid or lessen adverse effects, and environmental effects monitoring must be conducted.

SARA was proclaimed on June 5, 2003 and is intended to provide protection for individuals of wildlife species at risk listed under Schedule 1 of the Act, their residences (dwelling places, such as a den or nest or other similar area that is occupied or habitually occupied by one or more individual during part or all of its life cycle) and critical habitat (that part of areas used or formerly used by the species to carry out their life processes that is deemed essential for survival or recovery). Critical habitat will be identified for each listed species in Recovery Strategies or Action Plans. The prohibitions under SARA came into force on June 1, 2004 and apply to listed (Schedule I) endangered and threatened species for all federally protected aquatic species and migratory birds (including their residences) found anywhere, as well as to all endangered and threatened species, when found on federal lands.

Other legislation, agreements and federal policies respecting environmental matters

The above list is not exhaustive; EC may have other interests in this project not identified at this time based on our review of additional information provided at a later date. For further information on EC's mandated interests, please refer to *http://www.ec.gc.ca/EnviroRegs*.

From: "Jacinta McNairn" <jacinta@mkince.ca>
Date: May 12, 2008 1:30:22 PM GMT-04:00
To: "Forrester, Terri \(ENE\)" <Terri.Forrester@ontario.ca>
Cc: "Irene Powers" <lpowers@prowind.ca>
Subject: Re: South Branch and Brinston Wind Farms, South Dundas

Hello Terri.

We will gladly add your name to our contact list for the Brinston and South Branch Wind Farm environmental assessments. We look forward to speaking with you over the next year as the environmental assessments for these projects progress.

Regards,
Jacinta.

Jacinta McNairn, P.Eng., M.Sc.
M.K.Ince and Associates Ltd., Wind Energy Engineering
35 Main Street North, Unit #32, P.O. Box 650
Waterdown, Ontario, Canada L0R 2H0
Phone: (905) 689-3900 or (705) 835-3513
Fax: (905) 689-8195
email: jacinta@mkince.ca
www.mkince.ca

----- Original Message -----
From: Forrester, Terri (ENE)
To: jacinta@mkince.ca
Sent: Friday, May 09, 2008 4:35 PM
Subject: South Branch and Brinston Wind Farms, South Dundas

Hello Jacinta

I have received the Notice of Commencement of Environmental Screening for the Brinston Wind Farm and South Branch Wind Farm. As the Environmental Officer for this geographic area, I am requesting that you kindly add me to your mailing list to ensure I am kept informed of upcoming information sessions and project updates related to the Environmental Screening.

Thank you,

Terri

Terri Forrester
Environmental Officer
Ministry of the Environment
Cornwall Area Office
Phone: (613) 933-0709
Fax: (613) 933-6402

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.11/1422 - Release Date: 08/05/2008 5:24 PM

Ministry of Natural Resources

Kemptville District

10 Campus Drive
Postal Bag 2002
Kemptville, ON K0G 1J0
Tel: 613-258-8386
Fax: 613-258-3920

Ministère des Richesses naturelles

District de Kemptville

10 Dr. Campus
Sac Postal, 2002
Kemptville, ON K0G 1J0
Tél.: 613-258-8386
Téléc.: 613-258-3920

May 13, 2008

RE: Notice of Commencement, Brinston & South Branch Wind Farms, Dundas County

Dear Jacinta McNairn:

Thank you for providing us with an opportunity to comment on the Environmental Screening Process for both the Brinston & South Branch Wind Farms. We have addressed your questions from your email correspondence from May 13, 2008 and have outlined, to the extent possible at this time, our interests in the project.

Our office does not have any information to provide regarding raptor and bird populations in the project area. The Ministry of Natural Resources (MNR) has three sets of guidelines for addressing birds and bats during the design and development of new wind power proposals and these are attached for your convenience:

- *Guideline to Assist in the Review of Wind Power Proposals: Potential Impacts to Bats and Bat Habitat (Development Working Draft, August 2007)*

- *Guideline to Assist in the Review of Wind Power Proposals: Potential Impacts to Birds and Bird Habitat*

  Note: With respect to the monitoring program, it is important that both the spring and fall migratory periods are included.

Both of these guidelines are attached for your reference. Furthermore, these guidelines outline MNRs role relative to Environment Canada in reviewing impacts to birds and bats in wind power proposals.

Based on a preliminary review of the natural heritage features in the area, my office would like an opportunity to review and comment on the following:

- Provincially Significant Woodlands: In both project areas, there are provincially significant woodlands. MNR is interested in reviewing and having an opportunity to comment on the siting of the turbines relative to these features.

- Species at Risk: For information on the location of Species at Risk, please visit the Natural Heritage Information Centre:

http://nhic.mnr.gov.on.ca/nhic_.cfm

On June 30, 2008, the new Endangered Species Act, 2007 will be in effect. MNR would like an opportunity to review the results of the monitoring of both birds and bats before mitigation measures are selected, e.g. siting of turbines, to identify any species that are protected by the legislation.

- Other birds and bats: MNR would like an opportunity to review the results of the monitoring to determine any other species of birds and bats that are of provincial interest that may be affected by the project.

For all of the natural heritage features identified above, MNR would like an opportunity review and provide comments on the project before the Notice of Completion and the 30 day review period. For our information could you please provide a timeline of when you expect monitoring to be complete and when you will be beginning to select mitigation options related to the natural heritage features described above?

If you have any additional questions or concerns, please do not hesitate to contact me. Thanks again for the opportunity to provide comment and we look forward to receiving more information as the environmental screening process progresses.

Yours truly,

Sarah MacHardy
Water Resources Coordinator
Kemptville District

Ministry of Agriculture, Food and Rural Affairs

Box 2004, 59 Ministry Road
Kemptville, Ontario K0G 1J0
Tel: (613) 258-8341
Fax: (613) 258-8392

Ministère de l'Agriculture, de l'Alimentation et des Affaires rurales

Box 2004, rue Ministry
Kemptville, Ontario K0G 1J0
Tél.: (613) 258-8341
Téléc.: (613) 258-8392

Ontario

Food Safety and Environmental Policy Branch
Environmental Land Use Policy Unit

July 4th, 2008

Jacinta McNairn, P.Eng.
M.K. Ince and Associates
35 Main St. North, Suite 32
Waterdown, ON L0R 2H0

Dear Ms. McNairn:

Subject: Class EA - Notice of Commencement of an Environmental Screening
Proposed Wind Project, South Branch Wind Farm
Applicant – Prowind Canada Inc.
Township of South Dundas, County of Stormont Dundas and Glengarry

---

Staff of this Ministry have completed a review of the above-noted project in terms of the goals and objectives of this Ministry and the criteria contained in the Provincial Policy Statement, 2005 (PPS), specifically Policies 1.8 (Energy and Air Quality) and 2.3 (Agriculture). The following technical comments are provided for your consideration.

It is understood the proposed project would permit the construction of a wind generation facility in the Municipality of South Dundas, approximately 2km north of the town of Briston. The site is located to the east side of Brinston Road and north as far as Oak Valley Road. The project would be designed to generate 10MW of power and would consist of 5 wind turbines.

Staff observes that the subject lands lie within a Prime Agricultural Designation. It should be noted that while policy 1.8.3 of the PPS permits renewable and alternative energy systems in Prime Agricultural Areas, policy 2.3 (Agriculture) and more specifically policy 2.3.3.1 permits Agricultural Uses, Secondary Uses, and Agriculture-related Uses in a Prime Agriculture Renewable energy systems, alone, would not constitute an Agricultural Use however, depending on scale, could be considered as a Secondary Use in a Prime Agricultural Area.

The proposed project could result in the displacement, impairment, conflict or interference with existing agricultural operations. In accordance with the Ministry of the Environment (MOE) environmental screening process requirements and Policy 1.8.3 of PPS, the Ministry recommends the following items be given consideration throughout the life cycle of the project:

Construction of the Project:

i) Disruption to agricultural operations and agricultural infrastructure, as a result of this project, should be minimized to the greatest extent possible. Agricultural operations should be avoided and negative environmental effects such as noise and vibrations should be mitigated. Disruption of agricultural infrastructure such as field tiles, drainage ditches, culverts, field entrances and fences should also be avoided. If unavoidable, disruption of agricultural infrastructure should be minimized to the greatest extent possible and appropriately repaired;

ii) The amount of agricultural land to be used should be minimized to the greatest extent possible. Structures for the South Branch Wind Project should be cited as to minimize the disruption to agricultural operations. The Ministry suggests structures be located adjacent to lot lines and in proximity to existing entranceways;

iii) Any work on Prime Agricultural Lands that is in addition to the land needed for this project, needs to be conducted according to appropriate construction standards so that the land is returned to productive agricultural uses.

Operation of the Project:

iv) Noise needs to appropriately mitigated with respect to agricultural operations. Mitigation measures may include, but are not limited to: increasing the separation distance between the wind towers and agricultural operations; constructing noise barriers and; low speed rotating machines.

Decommissioning of Project:

v) In the event the South Branch Wind Project ceases to exist, the decommissioning plan should include restoration of Prime Agricultural Lands to the same grade and average soil quality as the surrounding area. This includes the removal of all structures including towers, above ground footings, concrete pads, anchors, guy wires, fences, fixtures, materials, improvements and personal property. The Ministry recommends that if foundations are proposed to remain in the ground, they should be covered with approximately 1 metre of soil of the same average quality as the surrounding area;

vi) Existing roads are to be utilized to the greatest extent possible and any additional internal access roads/drives that are constructed need to be removed and the roadbeds rehabilitated to an agricultural use. Any soil compaction that has occurred will need to be mitigated and depending on the type and amount of traffic, this may involve replacement of the topsoil and subsoiling of the roadbeds to a depth of approximately

50 cm. Groundcover crops as trefoil, alfalfa and clover should be planted on the roadbeds to assist in the rehabilitation of the soils.

The following publications contain information that maybe helpful in minimizing the impacts on agriculture. The publications are available by calling 1-888-466-2372:

- Artificial Drainage Systems Maps
- Canada Land Inventory - Agricultural Capability Rating Maps
- Soils Report: Soil Survey Maps
- Agricultural Land Use Systems Maps

While the above represents the Ministry's interpretation of provincial policy with regard to agricultural land, it does not reflect an overall provincial position on this matter. There may be planning concerns or interests of other agencies that should be considered, in addition to any municipal planning considerations.

Should you have any questions or wish to discuss this matter further, please feel free to contact this office at the number indicated above.

Sincerely,

John O'Neill
Rural Planner

cc: David Cooper, Manager, Environmental & Land Use Policy Unit, OMAFRA, Guelph

Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

www.inac.gc.ca
www.ainc.gc.ca

10 SEP 2008

Your file - Votre référence

Our file - Notre référence

Jacinta McNairn
Project Manager
M.K. Ince and Associates Ltd.
P.O. Box 650, 35 Main Street North, Suite 32
WATERDOWN, ONTARIO L0R 2H0

Dear Ms. McNairn:

Re: Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm in the Township of South Dundas, Ontario.

I am writing in response to your letter of April 8, 2008 addressed to Franklin Roy inquiring about any claims that may affect the subject property. I regret that we were unable to respond earlier.

We can advise that our inventory does not include active litigation in the vicinity of this property. Please note that we are unable to make any representations regarding potential or future claims.

We cannot make any comments regarding claims filed under other departmental policies. For information on any claims you should also contact Fred Hosking of the Specific Claims Branch at (819) 953-1940 to inquire about any Specific Claims, and Guy Morin of the Comprehensive Claims Branch at (819) 956-0325 to inquire about any current Comprehensive Claims.

.../2

Canada

If you have any further questions please do not hesitate to contact me at (819) 994-1947.

Sincerely,

Marc-André Millaire
Litigation Team Leader
Litigation Portfolio Operations East
Litigation Management and Resolution Branch

DISCLAIMER: In this Disclaimer, "Canada" means Her Majesty the Queen in right of Canada and the Minister of Indian Affairs and Northern Development and their servants and agents. Canada does not warrant or assume any legal liability or responsibility for the accuracy, completeness, or usefulness of any data or information disclosed with this correspondence or for any actions in reliance upon such data or information or on any statement contained in this correspondence. Data and information is based on information in departmental records and is disclosed for convenience of reference only. Canada does not act as a representative for any Aboriginal group for the purpose of any claim. Information from other government sources and private sources (including Aboriginal groups) should be sought, to ensure that the information you have is accurate and complete.

APPENDIX B

NOTICE OF PUBLIC MEETING UNDER O. REG 116/01

APPENDIX B: NOTICE OF PUBLIC MEETING UNDER 116/01

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BOUNDARY, SOUTH BRANCH AND BRINSTON WIND FARMS
PUBLIC OPEN HOUSE

Date: Thursday, January 29, 2009 from 5:30 to 8:30 PM
Location: Matilda Hall, 4421 County Road 16, Dixon's Corners, ON

Prowind Canada Inc. is proposing three 10MW wind farm projects southwest of Brinston, Ontario in the Township of South Dundas. The Environmental Screening process for the Brinston and South Branch Wind Farms commenced in April 2008 with the issuance of the Notice of Commencement. A similar Notice of Commencement for the Boundary Wind Farm was issued in November 2008. Prowind Canada Inc. and their consultants M.K. Ince and Associates Ltd. would like to invite you to attend a Public Open House regarding the initial components of the project and some general information about wind energy. This Open House will allow us to exhibit a variety of wind energy studies, introduce the project, and gain your feedback, through a series of posters and discussions with experienced project representatives.

Each of the three Wind Farms is proposed to include up to five wind turbines, for a total of up to fifteen turbines contained within the study areas shown on the map below. Each turbine will have a nameplate capacity of approximately 2MW. The electricity produced at each of these three locations could power approximately 3,000 average Ontario homes.

The Environmental Screening includes an analysis of the potential impacts of the proposed projects on the natural, social, and cultural aspects of the environment during the construction, operation and decommissioning of the project. The Open House will address the components to be included in the Screening Report, including preliminary results where available, along with some additional project details. Public consultation is a requirement of the Environmental Screening process as outlined in the Ontario Ministry of the Environment's "*Guide to Environmental Assessment Requirements for Electricity Projects*".

Please join us anytime between 5:30 pm and 8:30 pm at Matilda Hall, 4421 County Road 16 (Brinston Road) in Dixon's Corners for light refreshments. Tell us what you think about wind energy and the proposed project, ask questions or just have a look around. If you have any questions, or would like to be informed of any developments, please contact:

Prowind Canada Inc.
Cathy Weston
215 Sanders St.
Kemptville, ON
Tel: 613 258 6700
Fax: 613 258 6722
Email: cweston@prowind.ca

M.K. Ince and Associates Ltd.
Caitlyn MacMaster
PO Box 650, 35 Main St. N.
Waterdown, ON
Tel: 905 689 3900
Fax: 905 689 8195
Email: caitlyn.macmaster@mkince.ca

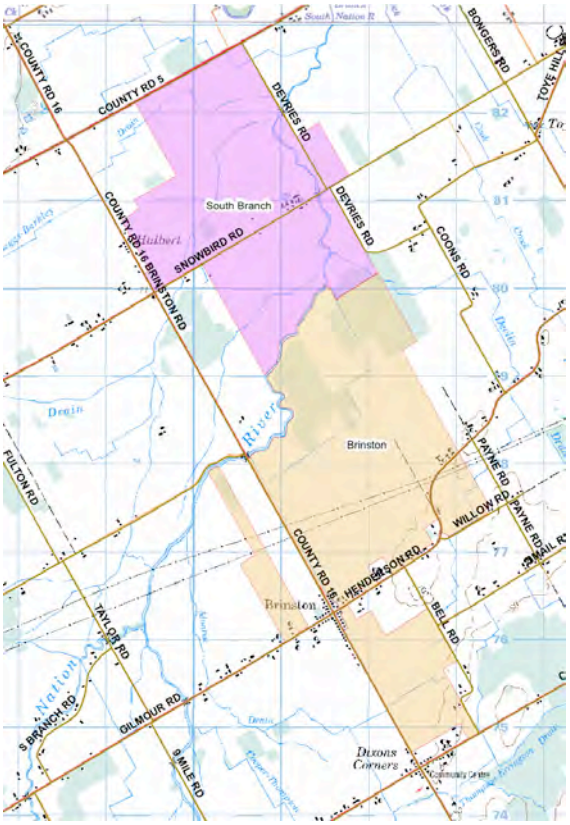

Figure 1 Brinston and South Branch Wind Farms

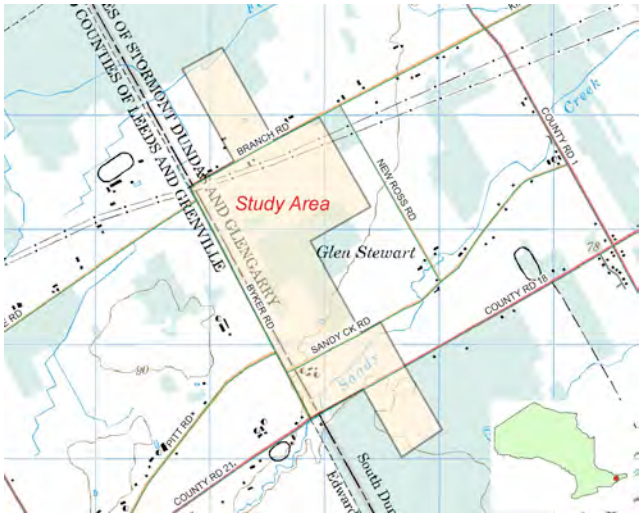

Figure 2 Boundary Wind Farm

stage, this Friday."

Melissa Ferrick is an acclaimed indie folk singer-songwriter, who has produced a string of "sonically strong, lyrically rich studio albums." Inspired by Springsteen, Joni Mitchell, Coldplay , Radiohead and Ani DiFranco, just to name a few, Ferrick has developed a unique folk rock sound and an engaging stage presence. Her fan base in North America is rapidly expanding.

Ferrick's current 'Goodbye Youth, Goodbye Retail' tour, with a January 16 stop in Morrisburg, is drawing great reviews.

Jeanne Ward, also on the board of the St. Lawrence Acoustic Stage, is delighted that Ferrick performer," Ward explains.

Born to a musical Massachusetts family, Melissa Ferrick studied two years at Berklee College of Music and the New England Conservatory. While she also plays classical violin, piano, trumpet and bass, Ferrick fell in love with acoustic guitar at the same time she decided to launch her stage career.

She made her first album, *Massive Blur*, in 1993, and her album, *Everything I Need*, won 1999 Album of the Year, awarded by the Gay and Lesbian American Music Association.

In 2000, Ferrick founded her own label, Right On Records, and has since gone on to gain a with beautiful acoustics. She had the whole audience riveted by her talent and her wit. She is a complete performer, who gives her all on stage. She is an outstanding artist."

Melissa Ferrick's Friday concert kicks off the midwinter/spring program offered by the St. Lawrence Acoustic Stage Performances Inc.

The line up of talent scheduled to come to Morrisburg this season is exceptional.

Daniel Bolshoy, the classical guitarist who delighted local audiences last year, is returning on January 24. *Easy Pickins* is scheduled to appear on February 21 and Indie Rock artist Graham Greer will perform on stage on March 7. There will also be three acoustic songwriter's showcases that will highlight superb local talent.

The St. Lawrence board, made up of Jeanne Ward, Sandra Whitworth, Cory Coons, Karen Cooper and Derek Hunter, plans to continue bringing outstanding targeting Trillium, Canadian and Ontario Arts Councils and some private foundations which support the arts."

The board hopes to continue to get the word out that the St. Lawrence Stage offers first class entertainment close to home. There are possibilities for all musical tastes.

"There is no showcase of talent of this quality in this sized venue anywhere else in this area," says Whitworth. "We find that our professional musicians tend to love the intimacy of our stage, and the fact that they are playing to an engaged audience. And quality new artists have an opportunity to work in a nuturing and professional venue."

Melissa Ferrick's dynamic show on January 16, at 8 p.m. at the Morrisburg Meeting Centre is just the start of the new season at the St. Lawrence Acoustic Stage. Tickets for the Ferrick concert are available at Pier 31, Ivories Strings & Things and Strung Out Guitars, or at the door.

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Morrisburg & District Lions

Lions form new committee

MORRISBURG – Morrisburg & District Lion's Club is excited to announce a new and innovative committee comprised of Lions Robert Jordan, Joe McCooeye, Matt McCooeye, John Morrow and Steve Morrow, chaired by Past President Mike Domanko. This group of Lions is in the process of drawing up plans and strategies to pursue service activities and fundraising projects that focus on and serve young adults and young families in our community. One specific project these Lions will take over immediately is the Tubie Festival '09 event.

This group of Lions will seek out assistance and resources from members of the larger Club as they execute their events; and similarly, be involved in various projects and events the Club is undertaking. This new committee officially kicked off January 1st 2009 and a review will be conducted at the end of 2009 to determine how the Club can build on the committee's first year's experience.

This new approach was presented to the Club at our November 11th meeting and several conversations resulted before the concept for the committee carried. District Governor Al Page and David Voicey, Past Council Chair were in attendance to gain a deeper understanding of the concept and add support from Lions International.

"This initiative has been endorsed and is popular in Lions International Clubs", says current President Keith Robinson. "Sometimes the needs and demands of family life make it difficult to commit to regular requirements of the Club. Within this new structure, these committed community servants can continue to operate events such as the Tubie Festival and better our area for their children and all others in our community".

"I'm excited to start working with this new committee," said Past President Mike Domanko. "It's time for younger members to take an active role in bettering the community and contributing to the Club in the full spirit of Lionism while paving a new and groundbreaking structure. We're excited to get started".

IROQUOIS LEGION BRANCH #370 NEWSLETTER

IROQUOIS – "Singles" in cribbage were played on Saturday afternoon as 11 players gathered in the lounge.

Finishing first with a score of 1,077 was Ken Palmer, while Ted Gratton took second place with his count of 1,069. Patricia Castleman came third with her count of 1,057. Holding down the bridesmaid's chair for the day was Ron Perrin, with a count of 1,051. Only five skunks could be located, and Dennis Wright managed to snag two of them.

The Cribbage League is now entering the second half of the season.

This week's Pot of Gold winner was Ernest Bron who, unfortunately, was not signed in.

The Friday meal this week will be baked quarter chicken with dressing, mashed potatoes and gravy and cabbage salad. Dessert will be Black Forest cake.

At euchre there were seven tables.

Taking first prize was Andy Acelvari. Nabbing the second prize was Doris Wright and third prize was picked up by Keitha McConnell. Only two skunks were found scurrying around, and they were immediately claimed by Martha Hawn and Alice Robertson.

On February 7, the Legion will be holding a Valentine Tea and Bake Sale. February 14 is the Darts for Hearts tournament.

Everyone is reminded that the Legion general meeting will take place on Thursday, January 15, at 7:30 p.m.

Until next week, take care.

Prowind CANADA

BOUNDARY, SOUTH BRANCH AND BRINSTON W
PUBLIC OPEN HOUSE

Date: Thursday, January 29, 2009 fr
Location: Matilda Hall, 4421 County Road 16, D

Prowind Canada Inc. is proposing three 10MW wind farm projects southwest of Brinston, Onta South Dundas. The Environmental Screening process for the Brinston and South Branch Wi in April 2008 with the issuance of the Notice of Commencement. A similar Notice of Co Boundary Wind Farm was issued in November 2008. Prowind Canada Inc. and their cons Associates Ltd. would like to invite you to attend a Public Open House regarding the init project and some general information about wind energy. This Open House will allow us to e energy studies, introduce the project, and gain your feedback, through a series of posters experienced project representatives.

Each of the three Wind Farms is proposed to include up to five wind turbines, for a total o contained within the study areas shown on the map below. Each turbine will have a r approximately 2MW. The electricity produced at each of these three locations could powe average Ontario homes.

The Environmental Screening includes an analysis of the potential impacts of the proposed p social, and cultural aspects of the environment during the construction, operation and de project. The Open House will address the components to be included in the Screening Repor results where available, along with some additional project details. Public consultation is Environmental Screening process as outlined in the Ontario Ministry of the Environment's "G *Assessment Requirements for Electricity Projects*".

Please join us anytime between 5:30 pm and 8:30 pm at Matilda Hall, 4421 County Road Dixon's Corners for light refreshments. Tell us what you think about wind energy and the questions or just have a look around. If you have any questions, or would like to be informed please contact:

Prowind Canada Inc.
Cathy Weston
215 Sanders St.
Kemptville, ON
Tel: 613 258 6700
Fax: 613 258 6722
Email: cweston@prowind.ca

M.K. Ince an
Caitlyn MacM
PO Box 650,
Waterdown,
Tel: 905 689
Fax: 905 68
Email: caitlyn

Figure 2 Brinston and South Branch Wind Farms

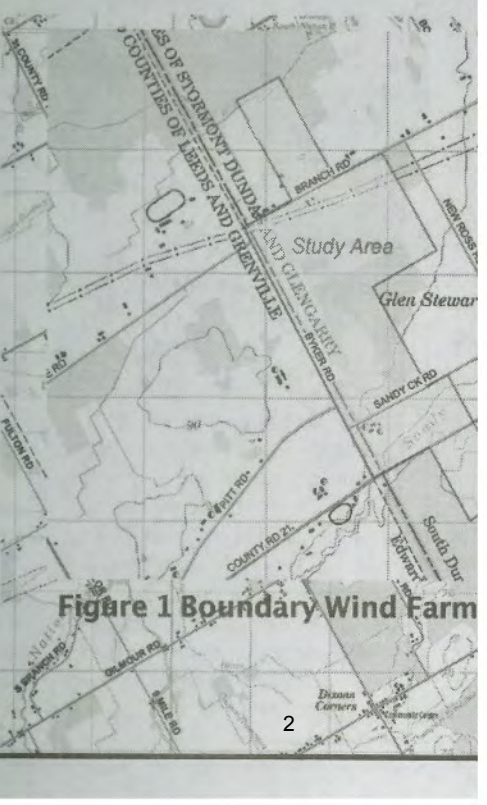

Figure 1 Boundary Wind Farm

Distribution Routes for Boundary Open House Invitation

Road Name	Segment Range	Building Count
Glen Stewart Rd.	Shanley - Carman Rd	35
Gilmour Rd	Carman – Hainsville South Branch	6
Hainsville South Branch Rd	Gilmour – Hainsvlle Rd	17
Levere Rd / Hainsville Rd.	Webb - Carman	35
Carman Rd.	Hainsville - Branch	20
Sandy Creek Rd	Byker - Carman	16
Byker Rd	Glen Stewart Rd – Branch Rd	0
Branch Rd	Byker - Carman	14
Dobbie Rd	Cty Rd 22 – Byker Rd	9
New Ross Rd	Branch – Sandy Creek	3
Pitt Rd	Glen Stewart - Byker	10
William Street and Cindy Cres	Glen Stewart - Carman	13
SUBTOTAL		178
TOTAL	Subtotal + 10%	**196**

Distribution Routes for Brinston and South Branch Open House Invitation

Road Name	Segment Range	Building Count
Cook Road	Nine Mile Road - Brinston Road	12
Dundela Road	Brinston Road - Markell Road	14
Brinston Road	Snowbird Road - Cook Road	54
Branch Road	Fulton Road - Brinston Road	2
Gilmour Road	Taylor Road - Brinston Road	38
Henderson Road	Brinston Road - Coons Road	15
Bell Road	Henderson Road - Dundela Road	4
Smail Road	Bell Road - Heritage Road	9
Payne Road	Henderson Road - Smail Road	1
Willow Road	Henderson Road - Payne Road	4
Coons Road	Devies Road - Henderson Road	9
Devies Road	Snowbird Road - Coons Road	3
SUBTOTAL		165
TOTAL	Subtotal + 10%	**182**

Total Invitations distributed for the Brinston, South Branch and Boundary Open House **378**

Subject: Invitation to Public Open House for Brinston, Boundary and South Branch Wind Farms
Date: Fri, 16 Jan 2009 09:28:04 -0500
From: Cathy Weston <cweston@prowind.ca>
To: Caitlyn MacMaster <caitlyn.macmaster@mkince.ca>
BCC: Stakeholder mailing list

Dear Sir or Madam,

Prowind Canada and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the Boundary, Brinston and South Branch Wind Farms on January 29th, 2009. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding the wind farm projects and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

Each of the three wind farm projects is proposed to include up to five (5) wind turbines, each capable of producing 2MW of electricity. The total combined nameplate capacity of the farms is anticipated to be 30 MW - enough to power approximately 9000 average Ontario homes. The projects are proposed in South Dundas County near Brinston, Ontario.

I've attached a copy of the newspaper advertisement that you may have seen in the Morrisburg Leader on January 14th inviting all interested parties to join us at the Open House.

For further details on the Boundary, Brinston or South Branch Wind Farm projects, please join us any time between 5:30 and 8:30pm on Thursday, January 29, 2009 at Matilda Hall, 4421 County Road 16, Dixon's Corners, ON. Light refreshments will be provided.

Sincerely,

Cathy Weston
--
Cathy Weston
Prowind Canada Inc.
613.258.6700 (t)
613.258.6722 (f)
cweston@prowind.ca

215 Sanders St. Suite 304
Kemptville, ON K0G 1J0
www.prowind.ca

Region	Notice of Comm	First Name	Last Name	Organization	Title	Address	Town	Prov.	Post Code	Phone	Email
FN	n	Kirby	Whiteduck	Algonquins of Pikwàkanagàn	Chief	P.O. Box 100, Pikwakanagan	Golden Lake	ON	K0J 1X0	613-625-2800	
Federal	y	Louise	Knox	Canadian Environmental Assessment Agency	Director, Ontario Regional Office	55 St. Clair Avenue East, Room 907	Toronto	ON	M4T 1M2	416-952-1576	
Federal	y	Janet	Townson	Department of Indian and Northern Affairs	Claims Analyst, Specific Claims Branch	10 Wellington St, Room 1310	Gatineau	QC	K1A 0H4		
Federal	y	Daniel	Ricard	Department of Indian and Northern Affairs	Director, Litigation Management and Resolution Branch	10 Wellington St	Gatineau	QC	K1A 0H4		
Federal	y	Kevin	Clement	Department of Indian and Northern Affairs	Acting Director, Comprehensive Claims Branch	10 Wellington St, Room 1310	Gatineau	QC	K1A 0H4		
Federal	y	Rob	Dobos	Environment Canada	Manager, Environmental Assessment and Federal Programs	867 Lakeshore Road, P.O. Box 5050	Burlington	ON	L7R 4A6		
Federal	n	Sheryl	Lusk	Environment Canada, Environmental Protection Operations Division - Ontario	EA Officer	4905 Dufferin Street	Toronto	ON	M3H 5T4	416-739-5962	Sheryl.Lusk@ec.gc.ca
Provincial	y	Jim	Brownell	Government of Ontario	MPP, Dundas -Stormount-South Gengarry	20 Montreal Rd, 2nd Flr	Cornwall	ON	K6H 1B1	613-933-6513	jbrownell.mpp.co@liberal.ola.org
Provincial	y	Michael	Elms	Ministry of Municipal Affairs and Housing, Municipal Services Office - Eastern Ontario	Acting Manager Community Planning and Development	Rockwood House, 8 Estate Lane	Kingston	ON	K7M 9A8	613-545-2132	
Provincial	y	Grant	Wedge	Ministry of the Attorney General	Council, Crown Law Office-Civil	720 Bay St. 8th Floor	Toronto	ON	M5G 2K1		
FN	n	Timothy	Thompson	Mohawk Council of Akwesasne	Grand Chief	P.O. Box 579	Cornwall	ON	K6H 5T3	613-575-2250	
FN	n	Jason	Neepin	Mohawks of the Bay of Quinte	Director, Sustainable Development	R.R. #1, Tyendinaga Mohawk Territory		ON	K0K 1X0	613-396-3424	jasonn@mbq-tmt.org
FN	n	Ken	Brant	Mohawks of the Bay of Quinte	Lands and Estates Program Manager	R.R. #1, Tyendinaga Mohawk Territory		ON	K0K 1X0		kenb@mbq-tmt.org
FN	n	Donald	Maracle	Mohawks of the Bay of Quinte	Chief	R.R. #1, Tyendinaga Mohawk Territory		ON	K0K 1X0		
Federal	n	Julie	Harris	Natural Resources Canada, Renewable and Electrical Energy Division	Environmental Assessment Officer	615 Booth Street, 1st Floor, Room 160I	Ottawa	ON	K1A 0E9	613-947-1485	jharris@nrcan-rncan.gc.ca
Provincial	y	Neil	McKay	Ontario Energy Board	Manager, Facilities and Licensing	P.O. Box 2319, 2300 Yonge Street	Toronto	ON	M4P 1E4		
Provincial	y	Gary	McTavish	Ontario Ministry of Agriculture, Food and Rural Affairs	Regional Manager	59 Ministry Rd.	Kemptville	ON	K0G 1J0	613-258-8371	gary.mctavish@ontario.ca
Provincial	y	Arta	Lena	Ontario Ministry of Economic Development	Information Assistant	8th Floor, Hearst Block, 900 Bay Street	Toronto	ON	M7A 2E1		
Provincial	y	Neil	Hutchings	Ontario Ministry of Energy - Renewables Office	Efficiency Advisor	3rd Floor, 800 Bay Street	Toronto	ON	M7A 2C1		
Provincial	n	General		Ontario Ministry of Energy and Infrastructure		900 Bay Street, Hearst Block, 4th Floor	Toronto	ON	M7A 2E1		
Provincial	n	John	Macdonald	Ontario Ministry of Municipal Affairs and Housing, Municipal Services Office -Eastern Ontario	Planner	8 Estate lane	Kingston	ON	K7M 9A8	613-545-2132	John.Macdonald@ontario.ca
Provincial	y	Alex	Gardner	Ontario Ministry of Natural Resources	District Manager, Kemptville District	10 Campus Drive, PO Bag 2002	Kemptville	ON	K0G 1J0	613-258-8204	
Provincial	y	Terri	Forester	Ontario Ministry of the Environment	EAAB-Eastern Region	113 Amelia st. First floor	Cornwall	ON	K6H 3P1	613-933-0709	
Provincial	y	Vicki	Michell	Ontario Ministry of the Environment	Eastern Region	1259 Gardiners Road, PO Box 22032	Kingston	ON	K7M 8S5		
Provincial	n	Steve	Burns	Ontario Ministry of the Environment, Environmental Assessment and Approvals Board - Eastern Region, Ottawa District	District Manager	2430 Don Reid Drive	Ottawa	ON	K1H 1E1	613-521-3450	steve.burns@ontario.ca
Provincial	y	Kathryn	Moore	Ontario Ministry of Transportation	Director of Eastern Region	1355 John Counter Boulevard, Postal Bag 4000	Kingston	ON	K7L 5A3	613-545-4600	kathy.moore@mto.gov.on.ca
Provincial	y	David	Pickles	Ontario Native Affairs Secretariat	Senior Policy Advisor	4th Floor, 720 Bay Street	Toronto	ON	M5G 2K1		
Provincial	y	Chris	Maher	Ontario Native Affairs Secretariat	Acting Director of Negotiations	4th Floor, 720 Bay Street	Toronto	ON	M5G 2K1		
Provincial	y	Pam	Wheaton	Ontario Secretariat of Aboriginal Affairs	Director, Policy and Relationships Branch	720 Bay St. 4th Floor	Toronto	ON	M5G 2K1	416-326-4053	pam.wheaton@ontario.ca
Conservation	y	Dennis	O'Grady	South Nation River Conservation Authority	General Manager	Box 69	Berwick	ON	K0C 1G0	613-984-2948 ext 226	info@nation.on.ca
Municipality	y	Alvin	Runnalls	Township of North Dundas	Mayor	13200 County Road #3, RR #2	Winchester	ON	K0C 2K0	(613) 448-3425	runnalong@igs.net
Municipality	y	Estella	Rose	Township of North Dundas	Deputy Mayor	10834 County Road #43, RR #2	Mountain	ON	K0E 1S0	613) 989-5421	eeterose@magma.ca
Municipality	y	Allan	Armstrong	Township of North Dundas	Councilor	447 May St.	Winchester	ON	K0C 2K0	(613) 774-0752	alarmstrong@sympatico.ca
Municipality	y	Eric	Duncan	Township of North Dundas	Councilor	10560 Nelson Road	South Mountain	ON	K0E 1W0	613) 989-1972	eric@jedexpress.com
Municipality	y	John	Thompson	Township of North Dundas	Councilor	61 Chesterville Main St.	Chesterville	ON	K0C 1H0	(613) 448-2963	jthompsonelect@hotmail.com
Municipality	y	Robert	Gillard	Township of South Dundas	Deputy Mayor	13902 Willbruck Dr., RR1	Morrisburg	ON	K0C 1X0	H) 613-537-8579	

Municipality	y	Steven	Byvelds	Township of South Dundas	Councillor	12425 Garlough Rd., RR1	Williamsburg	ON	K0C 2H0	(H) 613-535-2271, C) 613-791-4378	bycrest@magma.ca
Municipality	y	Jim	Graham	Township of South Dundas	Councillor	4893 County Rd. 31, RR3	Williamsburg	ON	K0C 2H0	H) 613-543-2265	jwg60@w3connex.ca
Municipality	y	Delbert	Jones	Township of South Dundas	Councillor	23 Steward Dr., P.O. Box 1093	Morrisburg	ON	K0C 1X0	H) 613-543-3588, (W) 613-652-4878	del@deljones.ca
Municipality	y	Stephen	McDonald	Township of South Dundas	Chief Admisistrative Officer					613-535-2673 (ext 223)	smcdonald@southdundas.com
Municipality	y	Don J.W.	Lewis	Township of South Dundas	Manager, Planning and Enforcement					613-535-2673 (ext 226)	dlewis@southdundas.com
County	y	Michael	Otis	United Counties of Stormount, Dundas and Glengarry	County Planner and Head of Planning Dept.	Suite 204, 26 Pitt Street	Cornwall	ON	K6J 3P2	613-932-1515 ext 219	motis@sdgcounties.ca
County	y	Dennis	Fife	United Counties of Stormount, Dundas and Glengarry	Warden	2326 County Road 12	Berwick	ON	K0C 1G0	613-984-2059	fifeag@plantpioneer.com
Municipality	n	Sandra	Mancini	South Nation Conservation Authority	Planning Assistant	P.O. Box 29 38 Victoria Street	Finch	ON	K0C 1K0	613-984-2948	smancini@nation.on.ca
Municipality	n	Nathan	Farrell	South Nation Conservation Authority	Planning Assistant	P.O. Box 29 38 Victoria Street	Finch	ON	K0C 1K0	613-984-2948	nfarrell@nation.on.ca
Municipality	n	Mathieu	Leblanc	South Nation Conservation Authority	Planning Assistant	P.O. Box 29 38 Victoria Street	Finch	ON	K0C 1K0	613-984-2948	Mleblanc@nation.on.ca
Public		Chris	Forrest								
Public		Hilary	Albers								
Public		Nicole	DeGrandmont								
Public		Del	Jones								
Public		Scott	Norris								
Public		Doug	Merkley								
Public		Robbie	Giles								
Public		Bill	Ault								
Public		Gabrielle	Scheler								

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Website: www.prowind.ca

January 5, 2009

Chief
Algonquins of Pikwàkanagàn
P.O. Box 100, Pikwakanagan
Golden Lake, ON K0J 1X0

Attention: Mr. Kirby Whiteduck, Chief
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Whiteduck

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

Each of the three Wind Farm projects is proposed to include up to five (5) wind turbines, each capable of producing 2 MW of electricity. The total combined nameplate capacity of the three farms is anticipated to be 30 MW – enough to power approximately 9000 average Ontario Homes. The projects are proposed in South Dundas near the Village of Brinston. Study areas are highlighted on the attached maps.

For further details on the South Branch, Brinston and Boundary Wind Farm projects, please join us any time between 5:30 and 8:30 pm, Thursday January 29, 2009, at The Matilda Community Hall, 4421 County Road 16, Dixon's Corners, Ontario. Light refreshments will be provided.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

January 5, 2009

Director, Ontario Regional Office
Canadian Environmental Assessment Agency
55 St. Clair Avenue East, Room 907
Toronto, ON M4T 1M2

Attention: Ms. Louise Knox, Director, Ontario Regional Office
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Knox

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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Website: www.prowind.ca

January 5, 2009

Claims Analyst, Specific Claims Branch
Department of Indian and Northern Affairs
10 Wellington St, Room 1310
Gatineau, QC K1A 0H4

Attention: Ms. Janet Townson, Claims Analyst, Specific Claims Branch
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Townson

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

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Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

January 5, 2009

Director, Litigation Management and Resolution Branch
Department of Indian and Northern Affairs
10 Wellington St
Gatineau, QC K1A 0H4

Attention: Mr. Daniel Ricard, Director, Litigation Management and Resolution Branch
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Ricard

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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For further details on the South Branch, Brinston and Boundary Wind Farm projects, please join us any time between 5:30 and 8:30 pm, Thursday January 29, 2009, at The Matilda Community Hall, 4421 County Road 16, Dixon's Corners, Ontario. Light refreshments will be provided.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

January 5, 2009

Acting Director, Comprehensive Claims Branch
Department of Indian and Northern Affairs
10 Wellington St, Room 1310
Gatineau, QC K1A 0H4

Attention: Mr. Kevin Clement, Acting Director, Comprehensive Claims Branch
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Clement

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Manager, Environmental Assessment and Federal Programs
Environment Canada
867 Lakeshore Road, P.O. Box 5050
Burlington, ON L7R 4A6

Attention: Mr. Rob Dobos, Manager, Environmental Assessment and Federal Programs
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Dobos

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

EA Officer
Environment Canada, Environmental Protection Operations Division - Ontario
4905 Dufferin Street
Toronto, ON M3H 5T4

Attention: Ms. Sheryl Lusk, EA Officer
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Lusk

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

MPP, Dundas -Stormont-South Gengarry
Government of Ontario
20 Montreal Rd, 2nd Flr
Cornwall, ON K6H 1B1

Attention: Mr. Jim Brownell, MPP, Dundas -Stormount-South Gengarry
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Brownell

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Acting Manager Community Planning and Development
Ministry of Municipal Affairs and Housing, Municipal Services Office -Eastern Ontario
Rockwood House, 8 Estate Lane
Kingston, ON K7M 9A8

Attention: Mr. Michael Elms, Acting Manager Community Planning and Development
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Elms

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Council, Crown Law Office-Civil
Ministry of the Attorney General
720 Bay St. 8th Floor
Toronto, ON M5G 2K1

Attention: Mr. Grant Wedge, Council, Crown Law Office-Civil
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Wedge

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Grand Chief
Mohawk Council of Akwesasne
P.O. Box 579
Cornwall, ON K6H 5T3

Attention: Mr. Timothy Thompson, Grand Chief
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Thompson

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Director, Sustainable Development
Mohawks of the Bay of Quinte
R.R. #1, Tyendinaga Mohawk Territory
, ON K0K 1X0

Attention: Mr. Jason Neepin, Director, Sustainable Development
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Neepin

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Lands and Estates Program Manager
Mohawks of the Bay of Quinte
R.R. #1, Tyendinaga Mohawk Territory
, ON K0K 1X0

Attention: Mr. Ken Brant, Lands and Estates Program Manager
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Brant

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Chief
Mohawks of the Bay of Quinte
R.R. #1, Tyendinaga Mohawk Territory
, ON K0K 1X0

Attention: Mr. Donald Maracle, Chief
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Maracle

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January 5, 2009

Environmental Assessment Officer
Natural Resources Canada, Renewable and Electrical Energy Division
615 Booth Street, 1st Floor, Room 160I
Ottawa, ON K1A 0E9

Attention: Ms. Julie Harris, Environmental Assessment Officer
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Harris

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January 5, 2009

Manager, Facilities and Licensing
Ontario Energy Board
P.O. Box 2319, 2300 Yonge Street
Toronto, ON M4P 1E4

Attention: Mr. Neil McKay, Manager, Facilities and Licensing
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. McKay

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January 5, 2009

Regional Manager
Ontario Ministry of Agriculture, Food and Rural Affairs
59 Ministry Rd.
Kemptville, ON K0G 1J0

Attention: Mr. Gary McTavish, Regional Manager
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. McTavish

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January 5, 2009

Information Assistant
Ontario Ministry of Economic Development
8th Floor, Hearst Block, 900 Bay Street
Toronto, ON M7A 2E1

Attention: Ms. Arta Lena, Information Assistant
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Lena

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January 5, 2009

Efficiency Advisor
Ontario Ministry of Energy - Renewables Office
3rd Floor, 800 Bay Street
Toronto, ON M7A 2C1

Attention: Mr. Neil Hutchings, Efficiency Advisor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Hutchings

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January 5, 2009

Ontario Ministry of Energy and Infrastructure
900 Bay Street, Hearst Block, 4th Floor
Toronto, ON M7A 2E1

Attention: General Delivery,
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Sir or Madam

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January 5, 2009

Planner
Ontario Ministry of Municipal Affairs and Housing, Municipal Services Office -Eastern Ontario
8 Estate lane
Kingston, ON K7M 9A8

Attention: Mr. John Macdonald, Planner
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Macdonald

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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For further details on the South Branch, Brinston and Boundary Wind Farm projects, please join us any time between 5:30 and 8:30 pm, Thursday January 29, 2009, at The Matilda Community Hall, 4421 County Road 16, Dixon's Corners, Ontario. Light refreshments will be provided.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

January 5, 2009

District Manager, Kemptville District
Ontario Ministry of Natural Resources
10 Campus Drive, PO Bag 2002
Kemptville, ON K0G 1J0

Attention: Mr. Alex Gardner, District Manager, Kemptville District
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Gardner

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

EAAB-Eastern Region
Ontario Ministry of the Environment
113 Amelia st. First floor
Cornwall, ON K6H 3P1

Attention: Ms. Terri Forester, EAAB-Eastern Region
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Forester

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Eastern Region
Ontario Ministry of the Environment
1259 Gardiners Road, PO Box 22032
Kingston, ON K7M 8S5

Attention: Ms. Vicki Michell, Eastern Region
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Michell

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

District Manager
Ontario Ministry of the Environment, Environmental Assessment and Approvals Board - Eastern Region, Ottawa District
2430 Don Reid Drive
Ottawa, ON K1H 1E1

Attention: Mr. Steve Burns, District Manager
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Burns

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Director of Eastern Region
Ontario Ministry of Transportation
1355 John Counter Boulevard, Postal Bag 4000
Kingston, ON K7L 5A3

Attention: Ms. Kathryn Moore, Director of Eastern Region
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Moore

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Senior Policy Advisor
Ontario Native Affairs Secretariat
4th Floor, 720 Bay Street
Toronto, ON M5G 2K1

Attention: Mr. David Pickles, Senior Policy Advisor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Pickles

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Acting Director of Negotiations
Ontario Native Affairs Secretariat
4th Floor, 720 Bay Street
Toronto, ON M5G 2K1

Attention: Mr. Chris Maher, Acting Director of Negotiations
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Maher

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Director, Policy and Relationships Branch
Ontario Secretariat of Aboriginal Affairs
720 Bay St. 4th Floor
Toronto, ON M5G 2K1

Attention: Ms. Pam Wheaton, Director, Policy and Relationships Branch
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Wheaton

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

General Manager
South Nation River Conservation Authority
Box 69
Berwick, ON K0C 1G0

Attention: Mr. Dennis O'Grady, General Manager
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. O'Grady

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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Website: www.prowind.ca

January 5, 2009

Mayor
Township of North Dundas
13200 County Road #3, RR #2
Winchester, ON K0C 2K0

Attention: Mr. Alvin Runnalls, Mayor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Runnalls

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Deputy Mayor
Township of North Dundas
10834 County Road #43, RR #2
Mountain, ON K0E 1S0

Attention: Ms. Estella Rose, Deputy Mayor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Rose

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Councilor
Township of North Dundas
447 May St.
Winchester, ON K0C 2K0

Attention: Mr. Allan Armstrong, Councilor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Armstrong

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January 5, 2009

Councilor
Township of North Dundas
10560 Nelson Road
South Mountain, ON K0E 1W0

Attention: Mr. Eric Duncan, Councilor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Duncan

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January 5, 2009

Councilor
Township of North Dundas
61 Chesterville Main St.
Chesterville, ON K0C 1H0

Attention: Mr. John Thompson, Councilor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Thompson

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January 5, 2009

Deputy Mayor
Township of South Dundas
13902 Willbruck Dr., RR1
Morrisburg, ON K0C 1X0

Attention: Mr. Robert Gillard, Deputy Mayor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Gillard

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January 5, 2009

Councillor
Township of South Dundas
12425 Garlough Rd., RR1
Williamsburg, ON K0C 2H0

Attention: Mr. Steven Byvelds, Councillor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Byvelds

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January 5, 2009

Councillor
Township of South Dundas
4893 County Rd. 31, RR3
Williamsburg, ON K0C 2H0

Attention: Mr. Jim Graham, Councillor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Graham

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

Each of the three Wind Farm projects is proposed to include up to five (5) wind turbines, each capable of producing 2 MW of electricity. The total combined nameplate capacity of the three farms is anticipated to be 30 MW – enough to power approximately 9000 average Ontario Homes. The projects are proposed in South Dundas near the Village of Brinston. Study areas are highlighted on the attached maps.

For further details on the South Branch, Brinston and Boundary Wind Farm projects, please join us any time between 5:30 and 8:30 pm, Thursday January 29, 2009, at The Matilda Community Hall, 4421 County Road 16, Dixon's Corners, Ontario. Light refreshments will be provided.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

January 5, 2009

Councillor
Township of South Dundas
23 Steward Dr., P.O. Box 1093
Morrisburg, ON K0C 1X0

Attention: Mr. Delbert Jones, Councillor
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Jones

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Chief Administrative Officer
Township of South Dundas

Attention: Mr. Stephen McDonald, Chief Administrative Officer
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. McDonald

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Manager, Planning and Enforcement
Township of South Dundas

Attention: Mr. Don J.W. Lewis, Manager, Planning and Enforcement
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Lewis

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

County Planner and Head of Planning Dept.
United Counties of Stormont, Dundas and Glengarry
Suite 204, 26 Pitt Street
Cornwall, ON K6J 3P2

Attention: Mr. Michael Otis, County Planner and Head of Planning Dept.
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Otis

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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Website: www.prowind.ca

January 5, 2009

Warden
United Counties of Stormont, Dundas and Glengarry
2326 County Road 12
Berwick, ON K0C 1G0

Attention: Mr. Dennis Fife, Warden
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Fife

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Planning Assistant
South Nation Conservation Authority
P.O. Box 29 38 Victoria Street
Finch, Ontario K0C 1K0

Attention: Ms. Sandra Mancini, Planning Assistant
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Ms. Mancini

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

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January 5, 2009

Planning Assistant
South Nation Conservation Authority
P.O. Box 29 38 Victoria Street
Finch, Ontario K0C 1K0

Attention: Mr. Nathan Farrell, Planning Assistant
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Farrell

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January 5, 2009

Planning Assistant
South Nation Conservation Authority
P.O. Box 29 38 Victoria Street
Finch, Ontario K0C 1K0

Attention: Mr. Mathieu Leblanc, Planning Assistant
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Leblanc

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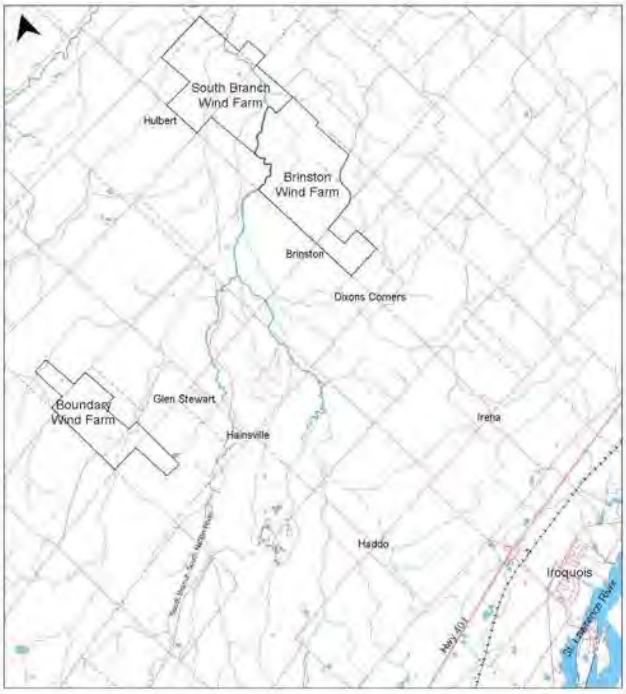
Brinston, South Branch and Boundary Wind Farms

WELCOME...



Project Description...

The Brinston, South Branch and Boundary Wind Farms are three separate wind energy generation projects proposed by Prowind Canada Inc. Collectively, they may produce up to 30 MW of clean, renewable electricity. Studies are ongoing to determine the feasibility of the project.

Public consultation is an integral part of the project planning process. Federal and Provincial agencies, First Nations and other local stakeholders are providing input on various components of the project. Please add yours!

...YOUR INPUT IS IMPORTANT TO US

Community Stakeholders

As members of the local community, you are important stakeholders. We would like to hear your concerns and obtain your feedback on the Brinston, South Branch and Boundary Wind Farms.

Please fill out our survey available at the front door.

THANK YOU FOR COMING!

Who We Are...

Prowind Canada Inc. is a developer of economic power generation projects that partners with farmers, landowners, and small communities. Prowind develops its wind energy projects with trustworthy, competent, ecological and responsible behaviour.

M.K. Ince and Associates Ltd. is a wind energy consulting firm experienced in environmental assessment and engineering tasks for many wind projects in Canada. MKI is committed to community involvement in developing a sustainable future.

M.K. INCE AND ASSOCIATES LTD.
WIND ENERGY ENGINEERING

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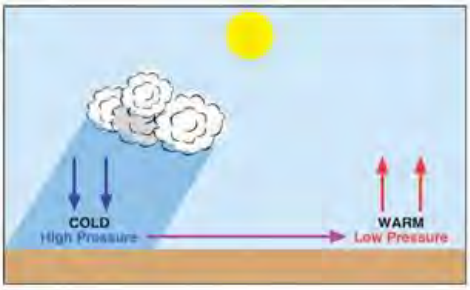
Why Wind Energy?

A Clear Future

WIND = AIR IN MOTION

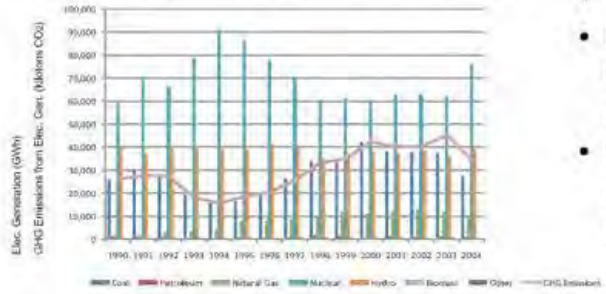
Where Does Wind Come From?

- Wind is produced by the uneven heating of the earth's surface by the sun.
- When the sun is shining during the day, the ground (and air above it) is unevely heated due to different land types (ie. water, crops, asphalt).
- The warmer air expands and rises, and the heavier, cooler air moves in to take its place, creating local winds.



WIND IS A CLEAN FUEL

Ontario Electricity Generation and Greenhouse Gas Emissions[1]



Pollution Free!

- In recent decades international concerns have been raised about greenhouse gas emissions and their effect on climate change.
- Unlike conventional power generation methods, wind power does not burn fossil fuels.

WIND IS CALLED A RENEWABLE RESOURCE BECAUSE WIND WILL CONTINUALLY BE PRODUCED AS LONG AS THE SUN SHINES ON THE EARTH.

The Real Cost...

- The World Health Organization estimates that air pollution kills 800,000 people worldwide per year.[2]
- The Ontario Medical Association estimates that air pollution costs $7.8 billion each year in hospital admissions, emergency room visits, and absenteeism.[3]
- Air pollution adversely affects the productivity of the forestry, agriculture, fishing and tourism industries.

WIND AND THE ENVIRONMENT

Canada's Obligations

- Canada is committed to taking action on climate change by reducing greenhouse gas emissions considerably from today's levels.
- Operation of a 2 MW turbine over 1 year in Ontario will avoid greenhouse gas emissions equivalent to those from 260 cars.[4]

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Why Wind Energy?

Cost Benefits

WIND IS FREE

Wind Energy Costs are Competitive...

- Wind energy costs have dropped from 30 to between 9 and 12 cents per kWh over the last three decades.[5]
- Wind energy is cost competitive with nuclear and natural gas.
- Because wind is free, wind energy costs are stable over the long term.

AN ECONOMICAL ALTERNATIVE

- Wind energy production facilities are less expensive to construct than large centralized conventional power generation facilities.[6]
- It is relatively simple to add wind turbines as power demands increase.[6]

NO HIDDEN COSTS

The Cost of Wind Energy is All-Inclusive...

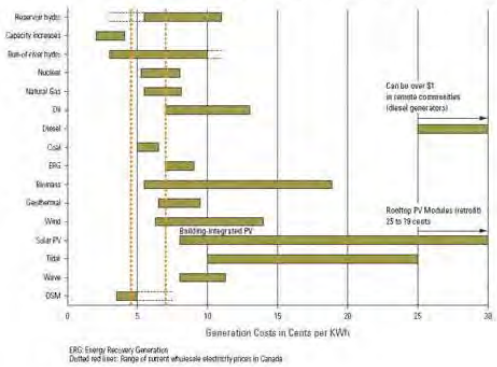
- There are no costs associated with waste disposal, security or public health care.
- Air and water quality are not degraded.
- Natural Resources are maintained.

AN INFINITE RESOURCE

Conventional Methods of Power Generation are Limited

- Fossil fuels (Coal, Oil and Natural Gas) and Uranium are a finite resource.
- Finite fuel costs are expected to increase with time while renewable energy costs are expected to decrease.

Comparison of Wholesale Electricity Costs (CEA, 2004)



ERG: Energy Recovery Generation
Dotted red lines: Range of current wholesale electricity prices in Canada

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Boundary Wind Farm

Project Details

LOCATION...

The Boundary Wind Farm could create 1 permanent local job and 30 temporary jobs from construction, maintenance and decommissioning activities.

The Boundary Wind Farm is proposed to be a 10 MW wind farm and would include the following components:

- four to six turbines
- access roads
- underground and above-ground cabling
- a switching substation

WHAT COULD IT LOOK LIKE?

This photomontage is an example of what the Boundary Wind Farm could look like when constructed.

The wind turbines are digitally placed into the landscape to represent the visual effect the wind farm may have on neighbouring lands.

This photo is not of the specific project area or turbine placements, but is an example of a wind farm in an agricultural area.

CURRENT STATUS

- Bird monitoring began in June 2008 and Winter monitoring is underway
- Bat monitoring is planned for this fall
- Environmental Assessment is underway
- Archaeological Assessment is planned for this spring
- One year of Wind Resource Assessment is complete

NEXT STEPS

- Design electrical interconnection
- Complete Environmental Assessment
- Secure Power Purchase Agreement with Utility
- Complete Wind Resource Assessment
- Obtain provincial permits and approvals
- Obtain municipal planning approvals

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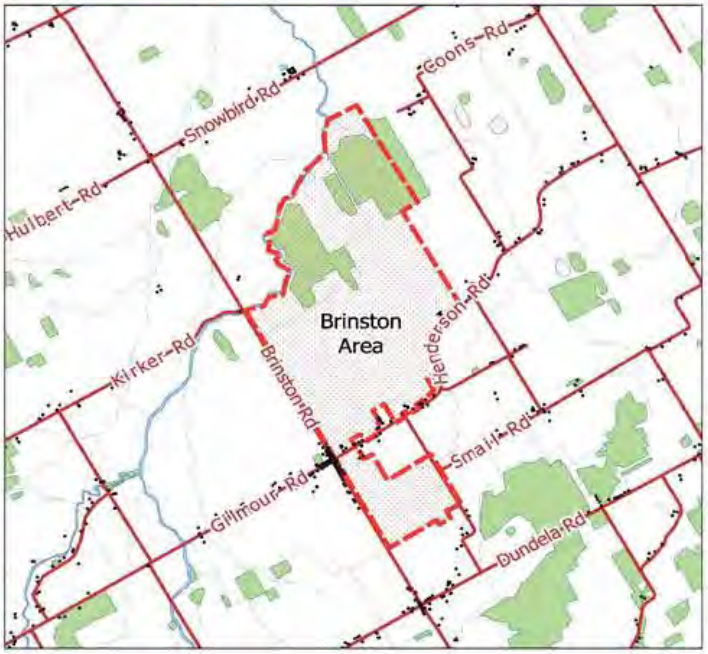
Brinston Wind Farm

Project Details

LOCATION...



The Brinston Wind Farm could produce enough energy to power 3,000 Ontario homes each year.[18]

The Brinston Wind Farm is proposed to be a 10 MW wind farm and would include the following components:

- four to six turbines
- access roads
- underground and above-ground cabling
- a switching substation

WHAT COULD IT LOOK LIKE?

This photomontage is an example of what the Brinston Wind Farm could look like when constructed.

The wind turbines are digitally placed onto the landscape to represent the visual effect the wind farm may have on neighbouring lands. The turbine locations are preliminary and may change.

This photo was taken along Henderson Road looking southwest.

CURRENT STATUS

- Bird monitoring began in Spring 2008 and Winter monitoring is underway
- Bat monitoring is planned for this fall
- Environmental Assessment is underway
- Archaeological Assessment is planned for this spring
- One year of Wind Resource Assessment is complete

NEXT STEPS

- Design electrical interconnection
- Complete Environmental Assessment
- Secure Power Purchase Agreement with Utility
- Complete Wind Resource Assessment
- Obtain provincial permits and approvals
- Obtain municipal planning approvals

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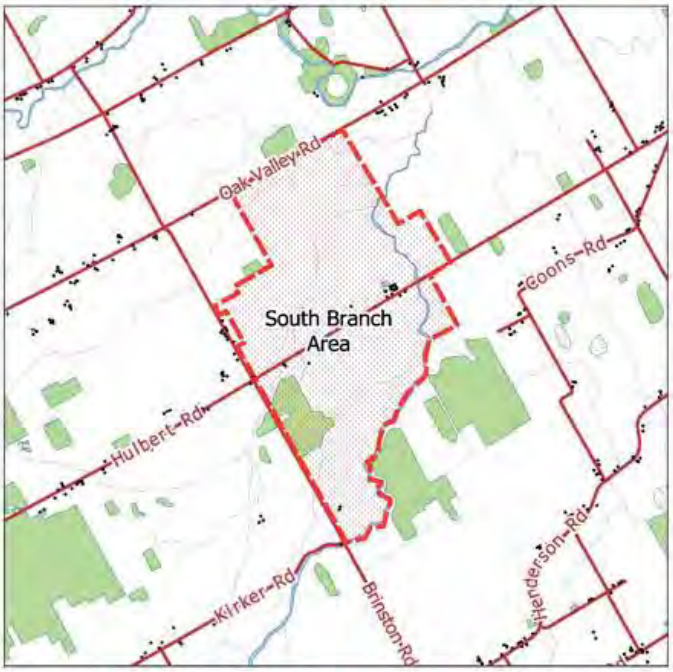
South Branch Wind Farm
Project Details

LOCATION...



The energy produced at the South Branch Wind Farm will reduce emissions equivalent to that produced annually by 6200 cars. [18]

The South Branch Wind Farm is proposed to be a 10 MW wind farm and would include the following components:

- four to six turbines
- access roads
- underground and above-ground cabling
- a switching substation

WHAT COULD IT LOOK LIKE?

This photomontage is an example of what the South Branch and Brinston Wind Farm could look like when constructed.

The wind turbines are digitally placed onto the landscape to represent the visual effect the wind farm may have on neighbouring lands. The turbine locations are preliminary and may change.

This photo was taken from within the Brinston project area looking north toward the South Branch Wind Farm. The three turbines in the back are South Branch, the two in the front are Brinston.

CURRENT STATUS

- Bird monitoring began in April 2008 and Winter monitoring is underway
- Bat monitoring is planned for this fall
- Environmental Assessment is underway
- Archaeological Assessment is planned for this summer
- One year of Wind Resource Assessment is complete

NEXT STEPS

- Design electrical interconnection
- Complete Environmental Assessment
- Secure Power Purchase Agreement with Utility
- Complete Wind Resource Assessment
- Obtain provincial permits and approvals
- Obtain municipal planning approvals

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Harnessing Wind Energy

Considering Your Environment

CAN YOU HEAR IT?

Wind Turbine Sound Levels are Low

- Wind Turbines have become quieter in recent years due to improvements in blade designs, generator enclosures, and drive-train technology.[17]
- You can stand below a wind turbine and carry out a normal conversation.[17]
- Sound emissions from single turbines are generally about 40 dBA at a distance of 400 m which is less than the noise made by a quiet stream.

Typical Sound Pressure Levels [23]

Source	Degree	Sound Pressure Level in dB(A)
Jet Engine		140
Pneumatic Rock Drill	Threshold of Pain	130
Small Engine Aircraft		125
Thunder		120
Accelerating Motorcycle		110
Lawn Mower	Very Loud	100
Noisy Factory		90
Vacuum Cleaner	Loud	80
Busy Traffic		70
Normal Conversation	Moderate	60
Quiet Stream		50
Quiet Conversation	Faint	40
Soft Whisper		30
Ticking of a Watch		20
Human Breathing	Threshold of Hearing	10
Absolute Silence		0

What is infrasound?

- Infrasound is low-frequency noise that is generally below our threshold of hearing.
- It occurs naturally in the environment from such elements as waves and wind.
- "There is no evidence that the current upwind turbine technology presents any problems related to the generation of infrasound/low frequency sound energy."

[Ontario Ministry of the Environment, "Frequently Asked Questions for Wind Turbine Projects", July 2005]

Birds and Wind Turbines

- The average bird mortality observed in North American wind parks is 1.83 birds per year per turbine.[19]
- Buildings and windows continue to be the greatest cause of bird mortality, responsible for an estimated 55% of all bird deaths.[20]
- Wind Turbines benefit birds and wildlife by reducing pollution leading to a cleaner environment.[20]

Visual Impact and Property Value

- Wind turbine visibility will not have a negative impact on property value.[21]
- Studies have shown that wind turbines often have a net benefit on property value.[22]

['*The Effect of Wind Development on Local Property Values*', Renewable Energy Policy Project, May 2003]

VIEWS OF WIND TURBINES WILL NOT NEGATIVELY IMPACT PROPERTY VALUES.

"The study of property sales from 1998 through 2006 indicates no differences in property values in the wind farm areas as compared with other similar areas."

- Poletti and Associates, 2007 study comparing sales of homes and farmland properties with and without views of wind farms in two states.[21]

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Planning a Wind Farm

Environmental Assessment

WEIGHING THE OPTIONS...

Wind Energy is a renewable energy technology that helps to eliminate the harmful environmental effects of conventional energy production. While wind turbines have small effects on their immediate environments, the net result for the environment is positive. To ensure that negative effects are minimized, *Environmental Assessments* are performed. In Ontario, the completed Environmental Assessment document is called an Environmental Screening Report.

Environmental Assessment is... identifying, predicting, evaluating and mitigating the environmental effects of a proposed project prior to making irreversible decisions and commitments.

- **Birds and Bats:** Bird and bat surveys within the project area will include the study of breeding bird populations, spring and fall bird and bat migration, wintering birds, and bird and bat habitats.
- **Flora / Fauna:** A biologist familiar with the area conducts a formal assessment.
- **Archaeology:** An Archaeological Assessment will identify areas of cultural or historical interest and areas with Archaeological Potential.
- **Noise:** Noise modeling will be used to predict sound levels at residences near wind turbines. The project will be designed to meet the Ontario Ministry of the Environment's regulations for turbine noise, which stipulate 40 dB(A) as the sound limit at any residence during occasions of low background noise[16]. Noise modelling does not take into account the effect of noise shielding which will further reduce sound levels.
- **Visual:** Using true turbine location, size and model, a visual assessment can depict the impacts of the wind farm on the landscape.
- **Public Consultation:** The public will be consulted at all stages of the Environmental Assessment process. Public information sessions, newsletters, and personal communications are just some of the tools used to keep the public informed of project milestones and to address public's concerns and answer their questions.
- **First Nations Consultation:** Local First Nations with traditional territory in the project area will also be consulted throughout the Environmental Assessment process.

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Brinston, South Branch and Boundary Wind Farms

PROJECT OVERVIEW

Progress

- Prowind Canada Inc. installed a meteorological tower within the Brinston project area in May 2007 to characterize the wind resource for the Brinston, South Branch and Boundary Wind Farm area.
- A SODAR unit was placed onsite to measure and correlate wind speeds with data gathered from the meteorological tower.

WORKING WITH THE COMMUNITY

We Need Your Help...

- Local residents are a very important part of the project and will be included throughout the consultation process.
- If at any time throughout the planning process you have questions or comments, please contact us. Be sure to add your name and contact information to the sign-in sheet to receive updates on the project.
- There is a potential for local jobs through the construction and operation of the project. It is estimated that 30 temporary jobs in the local community and 1 permanent job are created per 10 MW of wind farm capacity. The Brinston, South Branch and Boundary Wind Farms could create 90 temporary jobs!
- Prowind Canada Inc. believes working with the community to use local skills and resources is an important part of the wind energy industry.

PLEASE FILL OUT A SURVEY BEFORE YOU LEAVE AND TELL US WHAT YOU THINK!

CONTACT US

If you have any questions or comments please contact us, we'd be happy to hear from you. Please visit us on the web for more project details and updates at ***www.prowind.ca.***

General Project Information
Cathy Weston
Prowind Canada
215 Saunders St., Suite 304
Kemptville, ON K0G 1J0
(613) 258-6700
cweston@prowind.ca

Environmental Assessment Information
Rochelle Rumney, B.E.S
M. K. Ince and Associates Ltd.
P.O. Box 650, 35 Main St., Suite 32
Waterdown, ON L0R 2H0
(905) 689-3902
rochelle@mkince.ca

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Why Wind Energy?

Local Benefits

BENEFITING YOUR COMMUNITY

Local Job Creation

By focusing on renewable energy, the community can:

- Add well in excess of $20 million to the local economy during the construction period.
- Create jobs - It is estimated that wind energy creates 27% more jobs than coal-electric and 66% more jobs than natural gas-electric per unit of energy. [14]
- Foster a long-term green industry within the province.

Increasing the Municipal Tax Base

- Wind farms support the maintenance of roads and infrastructure by increasing the municipal tax base.
- Wind turbines and accessory structures make minimal demands on municipal services and do not require water or sewage connections.

A COMPATIBLE LAND USE

WHEN INSTALLED, ONLY ABOUT 2% OF THE FINAL LAND AREA IS REQUIRED FOR WIND TURBINES. THE REST WILL REMAIN AS FUNCTIONAL FARM LAND.[15]

Wind Power in Natural Areas

Wind Turbines:

- Require relatively little tree removal.
- Are accessed via existing roads and require minimal infrastructure.
- Provide stable long-term employment that supports the local community.

Wind as a Tourist Attraction

Wind Turbines:

- Enhance the environmental image of the area.
- Attract environmentally curious visitors.
- Stimulate the local tourism industry.

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Harnessing Wind Energy

Past, Present and Future

WIND ENERGY IS NOT NEW

Doing Good Things for a Long Time

- Windmills were used to grind wheat, pump water and cut wood.
- As early as the 1920s, American communities were using small windmills to generate electricity.[9]
- Today, wind energy is the fastest growing means of electricity generation.[9]
- In Canada, the wind energy industry experienced a 26% growth rate for the year 2007.[9]

GLOBAL WINDS

Around the World...

- There are over 100,000 turbines installed in 70 countries.[10]
- Denmark produces 20% of its electricity from wind energy.[11]
- Some areas in Germany generate over 50% of their power from wind energy.[11]
- Major wind energy projects are being planned for India and China.

In Canada...

- In 2007, Canada produced enough wind energy to power 537,000 homes.[12]
- The Ontario Power Authority's Integrated Power System Plan has set a target of 4600 MW of wind power by 2020.[13]
- By the close of 2008, wind farms will be installed in every Canadian province.[13]

MODERN DESIGN

1 Cooler
2 Generator
3 Nacelle controller
4 Anemometer windvanes
5 Coupling
6 Mechanical brake
7 Gearbox
8 Main shaft
9 Yaw gears
10 Machine foundation
11 Main bearing
12 Hub controller
13 Pitch system
14 Blade

Anatomy of a Modern Turbine

- Height to Hub: 80 - 100 m
- Height to Tip: 120 - 145 m
- Rotor Diameters: 80 - 90 m
- Foundation Size: 12 - 16 m Ø
- Foundation Depth: 3 - 9 m
- Rotor Speed: 10 - 25 rpm

Wind Turbine Designs Have Improved

- They are more effective at converting wind resources into electricity.
- Less maintenance is required.
- They can operate well in colder climates.
- Modern turbines are pleasing to the eye and are quiet.

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Brinston, South Branch and Boundary Wind Farms

PROCESS AND TIMELINE

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Brinston, South Branch and Boundary Wind Farm
Public Information Open House #1

January 29, 2009 5:30 p.m. – 8:30 p.m., Matilda Hall, Dixons Corners

No.	Name (Please Print Clearly)	Place of Residence (Town/City)	Preferred Contact Information (Email or Number and/or Address)	How did you hear about this event? (i.e newspaper, invitation, word-of-mouth)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
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16				
17				
18				
19				
20				

Please Enjoy Your Visit!

Brinston, South Branch and Boundary Wind Farms – Public Information Open House #1

January 29th, 2009, 5:30 p.m. - 8:30 p.m., Matilda Hall, Dixons Corners

Please return to: M.K. Ince and Associates Ltd., P.O. Box 650, 35 Main St. N. Suite 32, Waterdown, Ontario, L0R 2H0

Your feedback is important to us! We appreciate the time taken to fill out this questionnaire.

We are collecting this information to help us understand your concerns and improve every aspect of our project. Personal information (name, contact info) collected as part of this questionnaire is for **internal office use only** and will not be published or made available to anyone. Your comments may be **anonymously** published in our Environmental Assessment Screening Report.

Contact Information

Name: _____

Place of Primary Residence (City/Town): _____

Place of Secondary Residence (if applicable): _____

Address (including Postal Code): _____

Telephone Number(s): _____ E-mail: _____

Correspondence

Would you like to be placed on our MAILING LIST to receive future correspondence? Yes ☐ No ☐

How would you prefer to receive correspondence? E-mail ☐ Mail ☐

Have you received official correspondence in the mail? Yes ☐ No ☐
(Notice of Commencement, Open House Invite)

Have you seen official Brinston/South Branch/Boundary Wind Farm notices in the newspapers? Yes ☐ No ☐
(Notice of Commencement, Public Open House Ads)

Which of the three projects are you most interested in? (Check all that apply) Brinston ☐ South Branch ☐ Boundary ☐

Please circle the most appropriate response.

	NO		Undecided		YES
Do you support Wind Energy in general?	1	2	3	4	5
Why or Why Not? _____					
Do you support Wind Energy coming to your Municipality?	1	2	3	4	5
Why or Why Not? _____					
Do you support the Brinston, South Branch and Boundary Wind Farms?	1	2	3	4	5
Why or Why Not? _____					
Have these opinions changed since the project was first announced?	1	2	3	4	5
Why or Why Not? _____					

Please flip over to continue…

After visiting this Public Information Open House….

What QUESTIONS or CONCERNS do you still have about Wind Energy in general?

What QUESTIONS or CONCERNS do you still have about the Brinston Wind Farm?

What QUESTIONS or CONCERNS do you still have about the South Branch Wind Farm?

What QUESTIONS or CONCERNS do you still have about the Boundary Wind Farm?

Do you have any SUGGESTIONS for any aspect of the project?

What did you think of the first Public Information Open House?	**NO**		**Impartial**		**YES**
Did the location of the Open House suit you?	1	2	3	4	5
Location Preference: _____					
Did the time and date of the Open House suit you?	1	2	3	4	5
Time and Day Preference? _____					
Do you think this event was timely (early / late enough in the project process)?	1	2	3	4	5
Comments: _____					
Did you find this event informative? Did you learn anything new?	1	2	3	4	5
Comments: _____					
Did you learn anything today that was contrary to what you previously believed?	1	2	3	4	5
Comments: _____					

Would you like any further information?

Please check the topics for which you would like to receive more information, and complete the contact information below.

Property Values ☐ Infrasound ☐ Ont. Public Opinion Survey ☐
Health Studies ☐ Prov. Noise Regulations ☐ Other (Please Specify) _____

Preferred method of delivery for requested information:

Email ☐ Mail ☐ Address: _____

Please tell us a little bit about yourself!

Age: _____ Occupation: _____

Number of years in this area: _____ Amount of time of each year spent locally (%): _____

Do you have children attending school in the community? _____ Do you consider yourself active in the community? _____

Do you belong to any organizations in the area? If so, which ones? _____

What qualities to you most value about the local area and community?

Is there anything else you'd like to express to us?

Thank You! We Hope You Enjoyed Your Visit!

Boundary – South Branch – Brinston Windfarms
Public Open House
January 29, 2009

Following is a summary of the questions asked by attendees of the Open House meeting for Boundary, Brinston and South Branch wind farm projects in Dixon's Corners, Ontario on January 29, 2009. Responses to these questions are also provided for reference.

Will the turbines have negative effects on health?
There is no scientific evidence to indicate a relationship between negative health effects and proximity to wind turbines. Several studies were on-hand in support of this statement.

Will the ground vibrations shake the pipes in a house?
No this is not an issue. If a distant house were affected by vibrations then the effect of the vibrations on the turbine itself would be very detrimental.

Will the turbines kill many birds?
A typical turbine will kill 1.5 birds per year, which compared to skyscrapers and smokestacks is minimal. Even so, the purpose of the EA is to identify important species and to be sure that the location is appropriate for a wind farm.

Will the turbines be noisy?
There are minimum setbacks from houses which must be respected in order to meet noise requirements. In addition, noise modeling is performed to ensure noise requirements are met. The turbines will be about as noisy as a refrigerator when the wind is blowing.

How will the presence of wind turbines affect property values?
Studies done in the US have found that there is no effect on property values on houses near wind farms. One of these studies was on hand at the meeting. A study is currently being done in Canada by CanWEA.

Will electromagnetic radiation from the turbines be harmful?
Electromagnetic radiation is more of a concern with transmission at voltages much higher than the voltages that will be used to transmit the electricity generated at the wind farm. Also, the intensity of the radiation diminishes very rapidly with distance from equipment, so that current ambient levels of radiation will not be significantly impacted.

How many wind turbines will there be?
Plans are for up to 5 turbines per farm.

Are there concerns about vibration and infrasound?
There are many other sources of vibration and infrasound associated with living in the modern world which are not a cause for concern. Relevant studies were on-hand for reference.

How can we be sure that the Community benefits would be fairly administered?
The asker was encouraged to write this concern on their survey, and to make suggestions as to how they think it could be better done. Prowind will have to solicit feedback from the community and independent parties to determine how to manage this.

When will construction begin and other questions about development timeline.
Questions about the development timeline were referred to Poster 12 which provided expected dates for

project milestones.

Where will turbines be placed and where will subsequent roads would be built.
Turbine siting is a complex undertaking that must account for various factors, some of which won't be fully appreciated until the EA is complete and wind studies are sufficient.

Why aren't turbines put out in the wilderness far from communities?
There are three basic determining factors of any potential wind site; grid access, wind speed, and land space. Further, Prowind is committed to bringing sustainable solutions to the agricultural community. This combination makes the proposed sites well suited for a wind farm.

What considerations are being made for wildlife in the area and nearby wetlands?
The EA is being done to ensure that impacts on wildlife are minimized.

What size, make and model of turbine are being selected?
A summary of the decision making process was given. It was indicated that Prowind is exploring the possibility of an on-site turbine construction area. The turbines will likely be 100 m tall and have a rotor diameter of 80 m. The turbine model is not yet known.

How fast do the turbines rotate?
Depending on the turbine model, up to approximately 20 RPM.

What kind of maintenance is required?
A regular maintenance program will be necessary. The major components of the turbines should not require replacement during the life of the project.

How much power is generated by each turbine?
Approximately 500 homes per 2MW turbine.

What is the purpose of the Environmental Assessment?
An environmental assessment is meant to identify the potential effects of a project on the natural and socio-economic environment. The environmental assessment includes in-depth studies of the birds and wildlife in the area, vegetation, and sites of cultural or historical importance. All aspects of a project are considered and ways of mitigating potential harmful effects are identified.

Survey Results from Brinston, South Branch and Boundary Wind Farms- Public Information Open House #1

Legend				
No		Undecided		Yes
1	2	3	4	5

	Media Question						Opinion on Wind				Questions			
	Questionnaire #	Mailing List?	Email/Regular Mail	Received Mailings?	Seen News Ads?	Most interested in	Do you support wind energy in general	Do you support wind energy coming to your Municipality?	Do you support Brinston, South Branch and Boundary Wind Farms?	Have these opinions changed since the project was first announced?	Questions or Concerns about wind energy	Questions or Concerns about the Brinston Wind Farm	Questions or Concerns about the South Branch Wind Farm	Questions or Concerns about the Boundary Wind Farm
1	y	rm	no	no	all three	5 clean, renewable resource	5 contributing to the environment without pollution	3 waiting for more information & ongoing study results	1 have yet to receive more information to influence opinion	Telecommunications Interference. My livelihood depends on telecommunications technology. What does this mean? How will it impact me? (I live in the middle of the 3 proposed windfarm projects.			
2	y	rm	y	y	all three	5	5	5	1				
3	y	rm	no	y	Brinston	5	3 should be in a rural area not near the hamlets	3 do no want to see them close to the hamlets S/B only in unpopulated areas	5 would like to see one in operation	could be located to close to residential Brinston, Hulbert & houses	should be only north of the hamlet	be away from Hulbert	houses in the area
4	y	rm	no	no	South Branch	4	3 depends on location- don't want it too close to my house	2	Yes- very concerned about property values, noise. I would very much like to see one for myself			How close to my house. Do I have a say in location?	
5	y	rm	y	y		5	5	5	5				
6	y	rm	no	y	all three	2	2	1	2				
7	y	both	y	y	all three	5 any alternative energy is good	1 no, it is a small community and windmills would change its feel	1 No,the only one who will benefit is the landowner with windmills, we get an eye sore	1 No, I have worked on these projects and the residents are never happy				
8	y	both	y	no	all three	1 disruptive, ugly, health concerns, non-proven effective creation of power, waste of time and $	1	1	1	Is this in fact happening, does the community have any say at all?	see prior cell	see prior cell	see prior cell
9	y	em	no	y	all three	5 I think it is the future and Ontario/Canada should get moving. Look at Germany	5 good for environment	5 Would like to get involved in wind energy so nice to see it is possible so close to home	1				
10	y	em	no	y	all three	4 diversity of supply	4 proposed area will be good test for possiblity of future wind farm development	4 suitable area- relatively low pop. Density	4 No. Open to further information on total wind farms concept.	Info is pretty well presented and well laid out and questions well answered. Good number of Representatives			
11	y	both	y	no	Boundary	5 environmental	5 save	5	4				
12	y	rm	no	y	all three	5	5	5					
13	y	rm	y	no	all three	5 clean, renewable energy with no harmful waste	5 It makes sense, we have the resources, use them	5 The more clean power we produce the less we need coal and nuclear stations	1 I agree with renewable energy and hope to be off the grid in the future	Are residential sized windmills available through Prowind or is it a separate company?			

	Open House							Personal Info							
Any Suggestions	Good Location	Good Time	Timely	Informative	Learn anything contrary?		Would you like to receive more information	Occupation	Age	Years in area	% of Year in Area	Children in area	Active in community	What qualities do you most value about the area and community	Is there anything else you'' to express to us?
Location-Dixon Corners in the evening	5	5	5	4	1		y-all topics & bird&bat results by mail		28	2	100%		yes		
								Electricl Tech	60		99%		no		
late in the project process	5	3	1	1		property values could be less and I cannot believe any different	yes on all topics by mail			55	100%		church	open areas and open farm land	
I am concerned about further expansion	3	5	3	4	3		property values and prov. Noise regs - by mail	construction	49	40	60%				I like the idea but worry about location to my home
	5	5	5	5	5			farmer	62	30					
1st info sesson should have been notified earlier	5	5		2	2		yes on all topics by mail	retired	50	3	100%			quietness, view, climate	
tale it up north in the middle of no where , where there is lots of wind but no one to disrupt	4	4	1	3	1	open house should have happened before testing started	yes on all topics by mail and email	executive producer	38	mont	100%			peaceful, rural,quiet. This is why this project concerns me	I will on an e-mail. I hope you understand our concerns.
	5	5	5	3	1				49	49	100%	yes	yes/no		
	5	5	5	5	2			Customer Service	52/53	8	100%	n	yes/no	Peace and quiet and nature of the people	
							Infrasound, Ont. Public Opinion Survey send to 98 County Rd., 21 Spencerville,ON. V0E 1 X0								
	3	3	3	2	2			retired	78	15	100%	n	no		
	5	5	5	5	4	I didn't know there were noise restrictions	Prov. Noise Reg., Ont. Public Op. Survey,Other-by mail	auto mechanic	28	3	50%	n	no	It's quiet and laid back	

Survey Response Summary

PIC Attendees (registered)	51
Completed Surveys	13
Survey Response Ratio	25%

Do you support Wind Energy in general?	Yes	9	**69%**
	Undecided	3	23%
	No	1	8%
Do you support Wind Energy in your Municipality?	Yes	7	**54%**
	Undecided	4	31%
	No	2	15%
Do you support the Brinston, South Branch and Boundary Wind Farms?	Yes	6	**46%**
	Undecided	4	31%
	No	3	23%

Brinston and South Branch Public Information Open House #1
Questionnaire Summary

Attendees

#	Name	Place of Residence	Preferred Contact Info	Count	How did you hear about the meeting?
1	Lorne Strader	Brinston	[redacted]	1	newspaper
2	Frank Welsh	Iroquois		1	
3	Maureen Welsh	Iroquois		1	
4	Nelson Zandbergen	Iroquois		1	word of mouth
5	Eddy and Irene Beaudoin	Spencerville/Shanly		2	invitation
6	Joan Allison	Morrisburg		1	
7	Nick Thurler	South Mountain		1	newspaper
8	Bruce Albers	Shanly		1	invitation
9	Hilary Albers	Shanly		1	invitation
10	Dan Collins	Hainsville		1	invitation
11	Cecil McDermott	Brinston		1	word of mouth
12	John Ketelaars	Hulbert		1	mail
13	Norman Stewart	Brinston		1	newspaper
14	Marlene & Gary Lewis	Brinston		2	newspaper
15	Mike Brown	Spencerville		1	flyer
16	Kathy Brown	Spencerville		1	flyer
17	Blanche Fulton	Brinston		1	
18	Amanda Smith-Millar	Winchester		1	newspaper
19	Dale Siner	Brinston		1	
20	Heinz & Helena Claus	Matilda		2	mail
21	Levi DeJong	Spencerville		1	mail
22	Mark Packwood	Spencerville		1	mail
23	Barry Fawcett	Iroquois		1	
24	Dave Kleine	Brinston		1	mail
25	John Byker	Brinston		1	mail
26	Les Cruickshank	Morrisburg		1	paper
27	Mike McInnis	Morrisburg		1	paper
28	Bruce Fitzpatrick	Brinston		1	paper
29	David Corkner			1	paper
30	Calvin Markell			1	
31	Rebecca Comfort				paper
32	Dave Shaver			1	paper
33	Ron Wilson	Morrisburg		1	paper
34	Lee McCaslin	Iroquois		1	paper
35	Robbie Giles	Iroquois		1	mail
36	Peter Byvelds	Brinston		1	mail
37	Neil Ven	Iroquois		1	newspaper
38	Alan	Williamsburg		1	mail
39	Harold Tibben	Iroquois		1	paper
40	Herman DeVries	South Dundas		1	flyer
41	Dale Keyes	South Dundas		1	flyer
42	Brent Fawcett	South Dundas		1	flyer
43	Francis Henderson	Brinston		1	flyer
44	Cindy Byker	Brinston		1	
45	Troy Wilson	Brinston		1	flyer
46	Crystal Mitchell	Brinston		1	flyer
47	Steven Byvelds	Iroquois		1	invitation
48	John & Rina Groniger	Iroquois		2	flyer

Total number of attendees that signed in (counting couples as two people) 51

How did you hear about the meeting?

Mail / E-mail	9	18%
Newspaper	15	29%
Flyer	9	18%
Word of Mouth	2	4%
Unknown	8	16%

P.O. Box 1678
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Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

February 20, 2009
Via Lettermail

Troy Wilson
[redacted]

Dear Troy,

Re: **Prowind Canada Open House – January 29th, 2009**
Projects: **Brinston, South Branch and Boundary Windfarms**

Prowind is happy to learn of your interest in receiving material on wind energy. As requested, please find enclosed herewith the following studies/reports on wind energy:

1. Ontario Ministry of Environment. *Noise Guidelines for Wind Farms, Interpretation for Applying MOE NPC Publications to Wind Power Generation Facilities*. October 2008.

2. Innovative Research Group. *Community Survey* prepared for the Canadian Wind Energy Association. May 11, 2007.

Additional material is available for interested members of the public, some of which is not available online. Should you wish to receive a hard copy of the following documents, please feel free to contact our office:

- Ontario Medical Association. *The Illness Costs of Air Pollution*: *2005-2026 Health & Economic Damage Estimates*. June 2005. ISBN 0-919047-54-8.
- Municipality of Chatham-Kent Publich Health Unit. *Information Report on the Health Impact of Wind Turbines*. July 2, 2008.
- The Canadian Wind Energy Association. *Wind Energy Quick Facts*
- The Canadian Wind Energy Association. *Responding to Concerns about Wind Energy*. January 2009.
- The Canadian Wind Energy Association. *Addressing Concerns with Sound from Wind Turbines*. January 2009.

- The Canadian Wind Energy Association. *Addressing Concerns with Wind Turbines and Human Health*. January 2009.

- Howe Gastmeier Chapnik Limited (HGC Engineering). *Wind Turbines and Infrasound*. November 29, 2006.

- Blake, Matlock and Marshal Ltd. *Property Value Study : The Relationship of Windmill Development and Market Prices*. September 2006.

A large number of reliable sources and wind energy topics can be accessed online. Please feel free to visit the following sites for more information. These sources can provide further detail on property values, health studies, sound, wildlife, energy, and other useful as well as interesting facts about wind energy. Please note this information was used as a reference for the material provided and used at the Open House on January 29th, 2009.

1. Environment Canada. Greenhouse Gas Sources and Sinks.
   http://www.ec.gc.ca/pdb/ghg/inventory_report/2004_report/ta9_5_e.cfm

2. Environment Canada. Clean Air Online.
   http://www.ec.gc.ca/cleanair-airpur/Revised_Mortality_Estimates_Due_to_Air_Pollution-WS2BFC7599-1_En.htm

3. Industry Canada. (2000). *Wind Energy Market.*
   http://strategis.ic.gc.ca/epic/site/imr-ri3.nsf/en/gr-83539e.html

4. World Wind Energy Association. (2008). Press Release. February 21, 2008.
   http://www.wwindea.org/home/images/stories/pr_statistics2007_210208_red.pdf

5. Venema, H. D., & Barg, S. (2003). The Full Costs of Thermal Power Production in Eastern Canada. Winnipeg, Manitoba: International Institute for Sustainable Development. Page 42
   http://www.iisd.org/pdf/2003/energy_fca_canada.pdf

6. Canadian Wind Energy Association. (n.d.). Wind Technology.
   http://canwea.ca/images/uploads/File/NRCan_-_Fact_Sheets/2_technology.pdf

7. Global Wind Energy Council. (2005). Opportunities for a Global Industry.
   http://www.gwec.net/index.php?id=31

8. European Wind Energy Association. (2008). Global Statistics.
   http://www.ewea.org/index.php?id=1487.

9. Canadian Wind Energy Association. Wind Energy Wind Facts.
   http://canwea.ca/wind-energy/windfacts_e.php

10. Canadian Wind Energy Association. Wind Vision 2025, Backgrounders on Wind Energy, 2008.
    http://canwea.ca/images/uploads/File/Windvision_summary_e.pdf

11. Canadian Wind Energy Association. Community Benefits.
    http://canwea.ca/images/uploads/File/NRCan_-_Fact_Sheets/12_community.pdf

12. Natural Resources Canada. (2006). The Canadian Renewable Energy Network
    http://canren.gc.ca/tech_appl/index.asp?CaId=6&PgId=232

13. Canadian Wind Energy Association. (The sights and Sounds of Wind. http://canwea.ca/images/uploads/File/NRCan_-_Fact_Sheets/7_visual_sound.pdf

14. Natural Resources Canada, June 2005, Energy Use Data Handbook, 1990 and 1997 to 2003. http://oee.nrcan.gc.ca/Publications/statistics/handbook06/pdf/handbook06.pdf

15. Focus On Energy (2007). Wind Farms and Birds. http://www.focusonenergy.com/files/Document_Management_System/Renewables/W_RI_MKFS_Windturbinesandbirdsv0207.pdf

16. Canadian Wind Energy Association. Birds, Bats and Wind Energy. http://canwea.ca/images/uploads/File/NRCan_-_Fact_Sheets/6_wildlife.pdf

17. Peter J. Poletti (Ph.D., MAI), Poletti and Associates, and Illinois Certified General Real Estate Appraiser. Study commissioned by Invenergy Wind LLC. http://www.efficientenergy.org/Study-Finds-That-Proximity-to-Wind-Farms-Doesnt-Deminish-a-Homes-Property-Value

18. Sterzinger, G., Beck, F., & Kostituk, D. (2003). The Effect of Wind Development on Local Property Values. Washington D.C.: Renewable Energy Policy Project. http://www.repp.org/articles/static/1/binaries/wind_online_final.pdf

Should you experience difficulty in accessing the material online, please feel free to contact us. If you have any questions, please do not hesitate to contact our office. Thank you for your interest.

Kindest Regards,

Amy Brauneisen
PROWIND CANADA INC.

/AB
Encl.

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

February 20, 2009
Via Lettermail

Kathy Brown
[redacted]

Dear Kathy,

Re: **Prowind Canada Open House – January 29th, 2009**
Projects: **Brinston, South Branch and Boundary Windfarms**

Prowind is happy to learn of your interest in receiving material on wind energy. As requested, please find enclosed herewith the following articles and reports on wind energy:

1. Ontario Ministry of Environment. *Noise Guidelines for Wind Farms, Interpretation for Applying MOE NPC Publications to Wind Power Generation Facilities*. October 2008.

2. Ontario Medical Association. *The Illness Costs of Air Pollution*: *2005-2026 Health & Economic Damage Estimates*. June 2005. ISBN 0-919047-54-8.

3. Municipality of Chatham-Kent Publich Health Unit. *Information Report on the Health Impact of Wind Turbines*. July 2, 2008.

4. The Canadian Wind Energy Association. *Wind Energy Quick Facts*

5. The Canadian Wind Energy Association. *Responding to Concerns about Wind Energy*. January 2009.

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Kindest Regards,

Amy Brauneisen
PROWIND CANADA INC.

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Encl.

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Fax: 613-258-6722
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Website: www.prowind.ca

February 20, 2009
Via Lettermail

Ricky Lee
[redacted]

Dear Ricky,

Re: **Prowind Canada Open House**
Projects: **Brinston, South Branch and Boundary Windfarms**

Prowind is happy to learn of your interest in receiving material on wind energy. As requested, please find enclosed herewith the following articles and reports on wind energy:

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Furthermore, I understand that you are interested in the results of the bird and bat studies undertaken at the three potential project sites. These studies are still ongoing, but once they are complete we will be happy to provide a copy.

Should you experience difficulty in accessing the material online, please feel free to contact us. If you have any questions, please do not hesitate to contact our office. Thank you for your interest.

Kindest Regards,

Amy Brauneisen
PROWIND CANADA INC.

/AB
Encl.

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February 20, 2009
Via Lettermail

Marlene Lewis
[redacted]

Dear Marlene,

Re: **Prowind Canada Open House – January 29th, 2009**
Projects: **Brinston, South Branch and Boundary Windfarms**

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Kindest Regards,

Amy Brauneisen
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February 20, 2009
Via Lettermail

John Ketelaars
[redacted]

Dear John,

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In addition, please find the following report enclosed, regarding the opinions of several communities in Ontario :

5. Innovative Research Group. *Community Survey* prepared for the Canadian Wind Energy Association. May 11, 2007.

Additional material is available for interested members of the public, some of which is not available online. Should you wish to receive a hard copy of the following documents, please feel free to contact our office:

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February 23, 2009
Via Lettermail

Jene Clingin
[redacted]

Dear Jene,

Re: **Prowind Canada Open House – January 29th, 2009**
Projects: **Brinston, South Branch and Boundary Windfarms**

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Kindest Regards,

Amy Brauneisen
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Email: info@prowind.ca
Website: www.prowind.ca

February 20, 2009
Via Lettermail

Hilary Jane Albers
[redacted]

Dear Hilary,

Re: **Prowind Canada Open House – January 29th, 2009**
Projects: **Brinston, South Branch and Boundary Windfarms**

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10. Innovative Research Group. *Community Survey* prepared for the Canadian Wind Energy Association. May 11, 2007.

A large number of reliable sources and wind energy topics can be accessed online. Please feel free to visit the following sites for more information. These sources can provide further detail on property values, health studies, sound, wildlife, energy, and other useful as well as interesting facts about wind energy. Please note this information was used as a reference for the material provided and used at the Open House on January 29th, 2009.

1. Environment Canada. Greenhouse Gas Sources and Sinks.
   http://www.ec.gc.ca/pdb/ghg/inventory_report/2004_report/ta9_5_e.cfm

2. Environment Canada. Clean Air Online.
   http://www.ec.gc.ca/cleanair-airpur/Revised_Mortality_Estimates_Due_to_Air_Pollution-WS2BFC7599-1_En.htm

3. Industry Canada. (2000). *Wind Energy Market.*
   http://strategis.ic.gc.ca/epic/site/imr-ri3.nsf/en/gr-83539e.html

4. World Wind Energy Association. (2008). Press Release. February 21, 2008.
   http://www.wwindea.org/home/images/stories/pr_statistics2007_210208_red.pdf

5. Venema, H. D., & Barg, S. (2003). The Full Costs of Thermal Power Production in Eastern Canada. Winnipeg, Manitoba: International Institute for Sustainable Development. Page 42
   http://www.iisd.org/pdf/2003/energy_fca_canada.pdf

6. Canadian Wind Energy Association. (n.d.). Wind Technology.
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7. Global Wind Energy Council. (2005). Opportunities for a Global Industry.
   http://www.gwec.net/index.php?id=31

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9. Canadian Wind Energy Association. Wind Energy Wind Facts.
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11. Canadian Wind Energy Association. Community Benefits.
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12. Natural Resources Canada. (2006). The Canadian Renewable Energy Network
    http://canren.gc.ca/tech_appl/index.asp?CaId=6&PgId=232

13. Canadian Wind Energy Association. (The sights and Sounds of Wind.
    http://canwea.ca/images/uploads/File/NRCan_-_Fact_Sheets/7_visual_sound.pdf

14. Natural Resources Canada, June 2005, Energy Use Data Handbook, 1990 and 1997 to 2003.
    http://oee.nrcan.gc.ca/Publications/statistics/handbook06/pdf/handbook06.pdf

15. Focus On Energy (2007). Wind Farms and Birds.
    http://www.focusonenergy.com/files/Document_Management_System/Renewables/W_RI_MKFS_Windturbinesandbirdsv0207.pdf

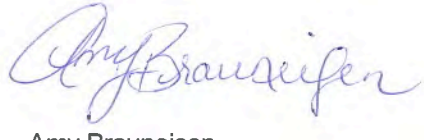
16. Canadian Wind Energy Association. Birds, Bats and Wind Energy. http://canwea.ca/images/uploads/File/NRCan_-_Fact_Sheets/6_wildlife.pdf

17. Peter J. Poletti (Ph.D., MAI), Poletti and Associates, and Illinois Certified General Real Estate Appraiser. Study commissioned by Invenergy Wind LLC. http://www.efficientenergy.org/Study-Finds-That-Proximity-to-Wind-Farms-Doesnt-Deminish-a-Homes-Property-Value

18. Sterzinger, G., Beck, F., & Kostituk, D. (2003). The Effect of Wind Development on Local Property Values. Washington D.C.: Renewable Energy Policy Project. http://www.repp.org/articles/static/1/binaries/wind_online_final.pdf

Should you experience difficulty in accessing the material online, please feel free to contact us. If you have any questions, please do not hesitate to contact our office. Thank you for your interest.

Kindest Regards,



Amy Brauneisen
PROWIND CANADA INC.

/AB
Encl.

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

February 20, 2009
Via Lettermail

Mr. & Mrs. E. Beaudoin
[redacted]

Dear Ed and Irene,

Re: **Prowind Canada Open House – January 29th, 2009**
Projects: **Brinston, South Branch and Boundary Windfarms**

Prowind is happy to learn of your interest in receiving material on wind energy. As requested, please find enclosed herewith the following articles and reports on wind energy:

1. Howe Gastmeier Chapnik Limited (HGC Engineering). *Wind Turbines and Infrasound*. November 29, 2006.

2. Innovative Research Group. *Community Survey* prepared for the Canadian Wind Energy Association. May 11, 2007.

Additional material is available for interested members of the public, some of which is not available online. Should you wish to receive a hard copy of the following documents, please feel free to contact our office:

- Ontario Medical Association. *The Illness Costs of Air Pollution*: *2005-2026 Health & Economic Damage Estimates*. June 2005. ISBN 0-919047-54-8.

- Municipality of Chatham-Kent Publich Health Unit. *Information Report on the Health Impact of Wind Turbines*. July 2, 2008.

- The Canadian Wind Energy Association. *Wind Energy Quick Facts*

- The Canadian Wind Energy Association. *Responding to Concerns about Wind Energy*. January 2009.

- The Canadian Wind Energy Association. *Addressing Concerns with Sound from Wind Turbines*. January 2009.

- The Canadian Wind Energy Association. *Addressing Concerns with Wind Turbines and Human Health*. January 2009.

- Ontario Ministry of Environment. *Noise Guidelines for Wind Farms, Interpretation for Applying MOE NPC Publications to Wind Power Generation Facilities*. October 2008.

- Blake, Matlock and Marshal Ltd. *Property Value Study : The Relationship of Windmill Development and Market Prices*. September 2006.

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8. European Wind Energy Association. (2008). Global Statistics.
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Kindest Regards,

Amy Brauneisen
PROWIND CANADA INC.

/AB
Encl.

APPENDIX C

NOTICE OF PROPOSAL AND PUBLIC MEETING

APPENDIX C: NOTICE OF A PROPOSAL AND PUBLIC MEETING UNDER O. REG 359/09

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Renewable Energy Approval

Notice of a proposal to engage in a Renewable Energy Project

Notice of Meetings s. 15(1)(a)(b) Ontario Regulation 359/09

NOTICE OF A PROPOSAL and NOTICE OF A PUBLIC MEETING

to be held by Prowind Inc. regarding a Proposal to Engage in a Renewable Energy Project

Project Name: South Branch Wind Farm
Location: Brinston and Dixon's Corners, Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville
Dated at *Kemptville* **this the** *30th* **of** *June 2010*

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Meeting Location: DATE: Wednesday, August 11th, 2010 TIME: 6:00 pm to 9:00 pm
PLACE: Matilda Hall, 4421 County Road 16, Dixon's Corners, Ontario

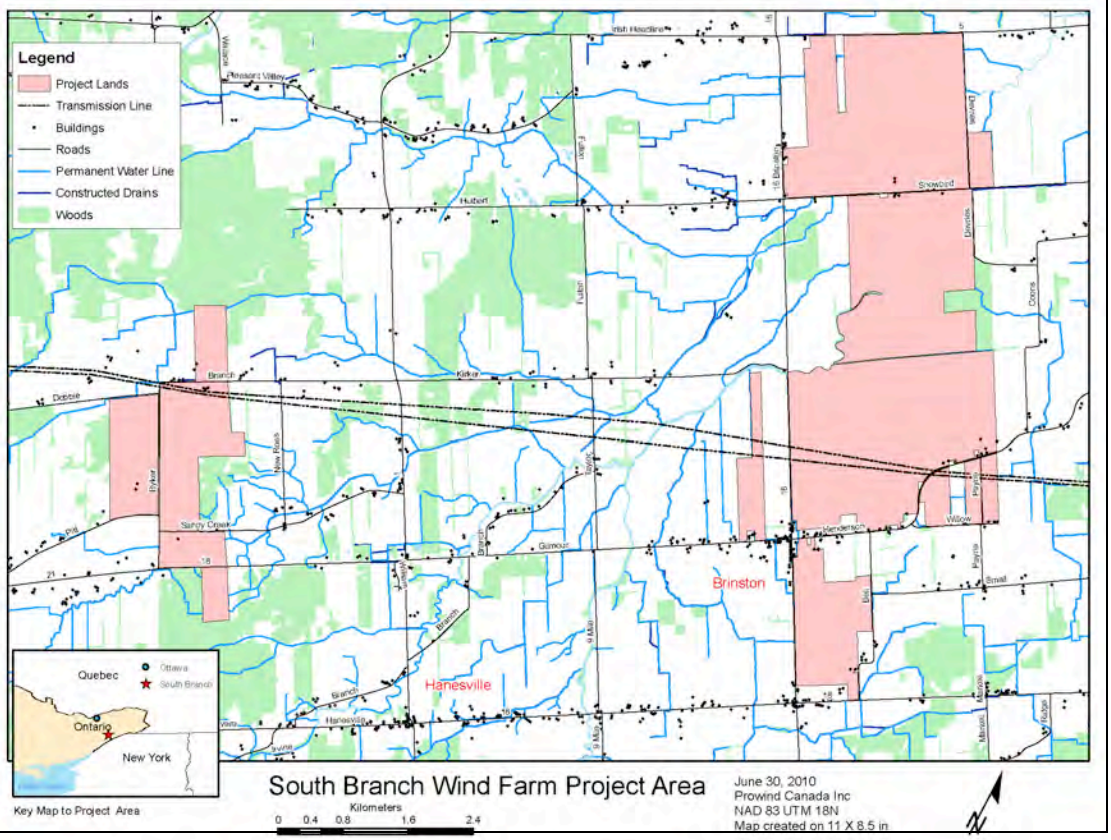
Project Description: Pursuant to the Act and Regulation, the facility, in respect of which the project is to be engaged in, is considered to be a Wind Energy Facility, Class 4. If approved, this facility would have a total maximum nameplate capacity of 30 MW. The project location is described in the map below.

Documents for Public Inspection: This project is being proposed in accordance with the requirements of the Act and Regulation. The Draft Project Description Report titled *South Branch Wind Farm Project Description Report – DRAFT* describes the facility as a wind power generation facility with between 10 and 15 turbines on agricultural land. Each turbine will produce a maximum of 3.0 MW of electricity for a total energy output of no more than 30 MW. A written copy of this report is available for public review at **www.prowind.ca**.

Printed copies are available for review at the Municipal Offices of South Dundas (4291 County Road 31 / Main St, Williamsburg, ON) and Edwardsburgh-Cardinal (18 Centre Street, Spencerville, ON).

Project Contacts and Information:
To learn more about the project proposal or to relay your comments, contact:

Prowind Canada Inc.
210 Prescott St, Ste 3
PO Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
info@prowind.ca
www.prowind.ca



servations to spend
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there are layers to that relationship. Actually," Janzen added, "she's quick to see the foibles in every one else's character, not so able to see them in her own."

Incidentally, Melanie Janzen is married to actor Jamie Williams. They both said at the press conference (definitely with a grin) that they could "see Foster's characters reflected in our own lives...just a little, of course."

Susan Greenfield is a welcome returning face in *The Long Weekend*. Her performances in previous shows, like the Playhouse's runaway hits, Norm Foster's *Bedtime Stories*, *Wally's Café* and last season's *Maggie's Getting Married* have made her very popular with Playhouse audiences.

She plays Wynne Trueman, a highly successful psychologist, "one of those kids who was probably really smart growing up, but maybe not as pretty or popular."

"She acts very self possessed," Greenfield said, "but you have the sense she may have always secretly wanted to be like Abby."

Edward Leefe rounds out the cast in the role of Roger Nash, a former math teacher who has "decided he wants to be a screen writer."

Leefe will also be a welcome returning face to Playhouse audiences who enjoyed his great performances as Oscar in UCP's *The Odd Couple* and in the 2002 production of *Maggie's Getting Married*. Leefe says he finds great comic potential in his role as Roger in *The Long Weekend*.

"He's an irritable fellow, if witty, even sort of neurotic. This is a fun character to play, because he's a guy that 'life happens to', and his relationship with his wife is in a bit of a rut."

As director Walter Learning points out, playwright Norm Foster often takes an hilarious poke at relationships, particularly those between middle-aged married people. Learning, who has directed and acted in many farces, including the classic Ray Cooney show *Run for Your Wife* at the Playhouse, describes Foster's *Weekend* as a "change of pace for me. I really enjoy developing his characters and dialogue. This is a very funny play."

There are some big surprises, plot twists and tangles and some of Norm Foster's wittiest, and most entertaining characters in *The Long Weekend* which opens at the Playhouse on July 8.

The Playhouse is currently running at about 96 per cent capacity, so play-goers are invited to get in touch with the box office early. No one will want to miss Norm Foster's comic charmer, *The Long Weekend*.

Contact 613-543-3713 for tickets and information.

Let us get your car ready for summer

At Canadian Tire, Morrisburg we have the expertise to look after your vehicle from a simple oil change to a complete engine overhaul. Our promise to you is a job **well done** the first time at a **fair price!**

in our automotive shop.
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michel120@bellnet.ca
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Canadian Tire
12329 CTY. RD. 2, MORRISBURG
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Prowind CANADA

Renewable Energy Approval
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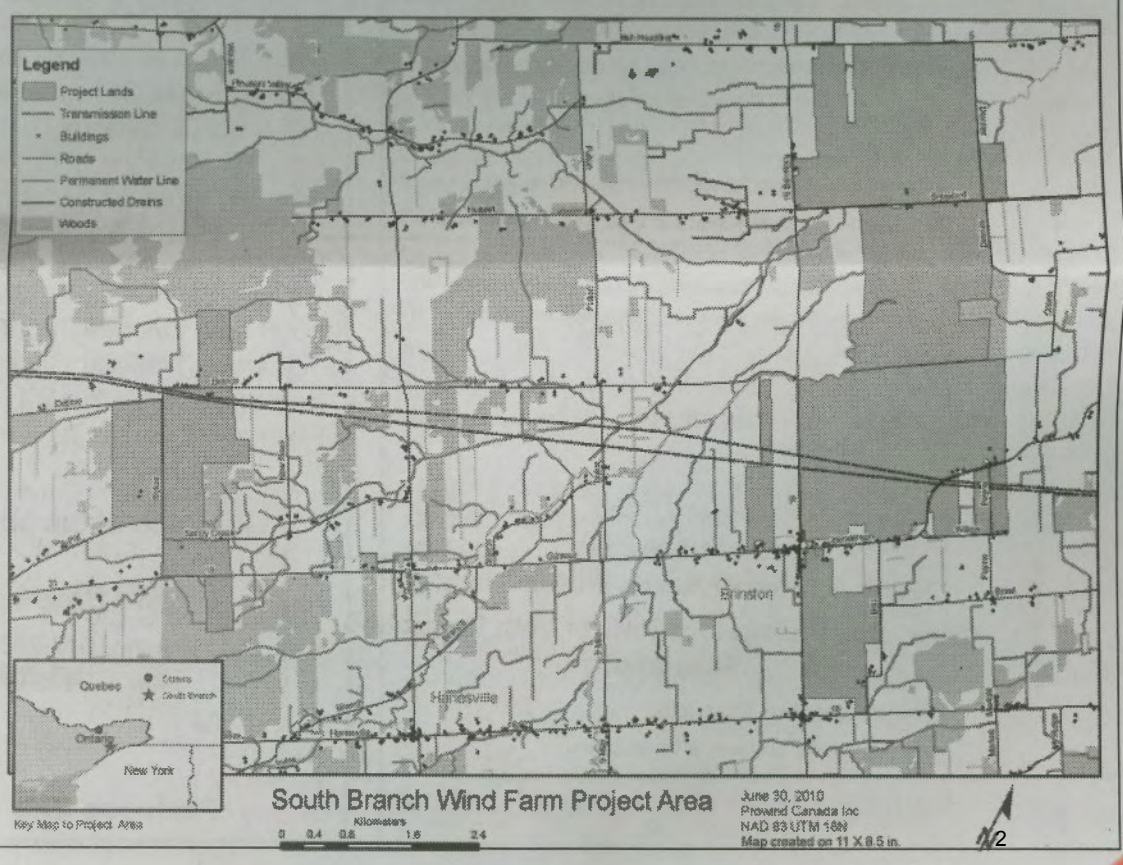

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sahsne artist his work

usy crafts people who create beautiful gifts at very reasonable prices. His latest works have included air brush painting on saw blades. If you are interested in having Noah paint on a blade or to paint on canvas, you can find him living on Drum St., next door to George and Pauline Gray.

Prowind CANADA

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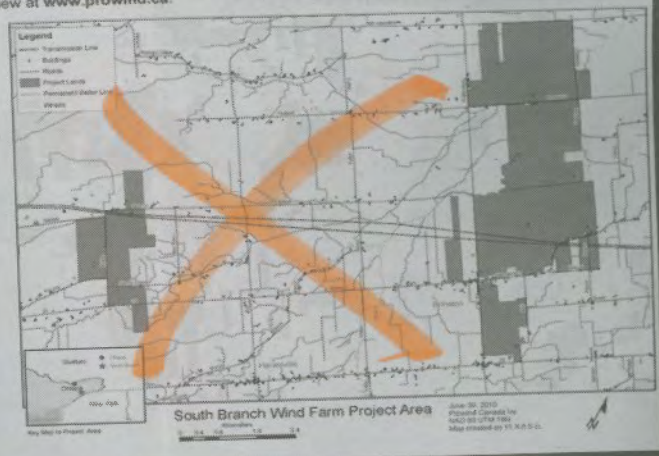


Casino continues Native Internship Program

AKWESASNE – The St. Regis Mohawk Tribal Gaming Enterprise is pleased to announce that they will be hosting the "Native Internship Program" for a fourth year. They are looking for college or college-bound students to participate in the Internship program. The program is designed to: "provide students with practical job experience while attending college; allows college students to blend classroom theory with real-life practice; earn money while still in school and experience the casino work environment."

Last year, students came from SUNY Potsdam; SUNY Plattsburgh; Syracuse University; New England Culinary Institute; Paul Smiths College, North Country Community College and SUNY Canton.

All you need is your:
College acceptance letter,
Tribal enrollment card,
Class schedule
College transcripts
Exceptional customer service skills

If you are looking for an exciting internship, come and apply to the Native Internship Program! Don't delay, submit your application today! 518-358-3510 ext. 2422!

at the airport, and to enjoy a great breakfast. Breakfast begins at 7:30 a.m. and continues until 11 a.m. out at the airport in Iroquois.

This year marks the 30th year that Lorna Siebert, former treasurer for South Dundas and for the community."

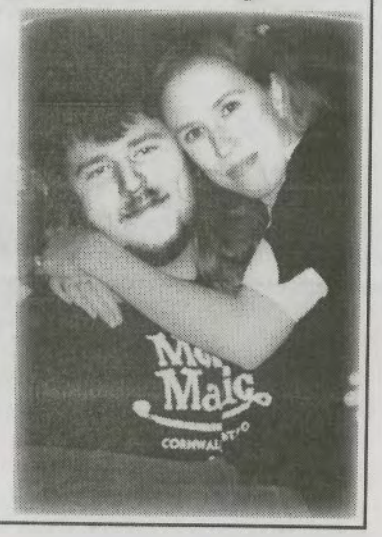
Several of the pilots travel great distances to take part in the Iroquois Fly In. They often bring unique and special aircraft.

This year, while he cannot make any promises, John Ross has

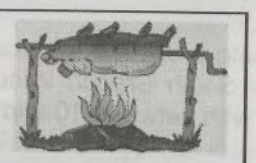
Forthcoming Marriage

Susan & Edward Hoogwerf
are proud to announce
the upcoming marriage
of their daughter

Stacey
to
Chris
son of
Carol & Carl Harper.
The wedding is to take place
July 24, 2010,
Iroquois United Church.
Open reception to follow
Iroquois Legion, 8 p.m.



5th Annual
LAKESHORE LUAU



Sunday, July 25, starting at 4 p.m.
Allan Hall, 19 Lakeshore Dr., Morrisburg
Spit Roasted Pork & Turkey + Salads & Desserts
Adults $14; Children 10 & Under Free
Take Outs Available
Silent Auction & Door Prizes
Draws Every Half Hour – Everyone Welcome
Tickets – 613-543-2121 or 613-543-3551

Time is running out!

Reserve your space before it's too late!

Calypso Water Park Day Trip
Friday, July 23

Limited number of seats at a **Special Youth Rate** (ages 13-17): $40

Children 6-12 (supervision in a 1:5 or 6 ratio): $45

***New* Bus Pickup locations in both Iroquois & Morrisburg**

Register at the Township Office in Williamsburg

Deadline for registrations Monday, July 19th, 4:00 p.m.

For more information contact Louise at 613-543-2937 or ldimmick@southdundas.com

Prowind CANADA

Renewable Energy Approval
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PLACE: Matilda Hall, 4421 County Road 16, Dixon's Corners, Ontario

Project Description: Pursuant to the Act and Regulation, the facility, in respect of which the project is to be engaged in, is considered to be a Wind Energy Facility, Class 4. If approved, this facility would have a total maximum nameplate capacity of 30 MW. The project location is described in the map below.

Documents for Public Inspection: This project is being proposed in accordance with the requirements of the Act and Regulation. The Draft Project Description Report titled *South Branch Wind Farm Project Description Report – DRAFT* describes the facility as a wind power generation facility with between 10 and 15 turbines on agricultural land. Each turbine will produce a maximum of 3.0 MW of electricity for a total energy output of no more than 30 MW. A written copy of this report is available for public review at **www.prowind.ca**.

Printed copies are available for review at the Municipal Offices of South Dundas (4291 County Road 31 / Main St, Williamsburg, ON) and Edwardsburgh-Cardinal (18 Centre Street, Spencerville, ON).

Project Contacts and Information:
To learn more about the project proposal or to relay your comments, contact:

Prowind Canada Inc.
210 Prescott St, Ste 3
PO Box 1678
Kemptville, ON
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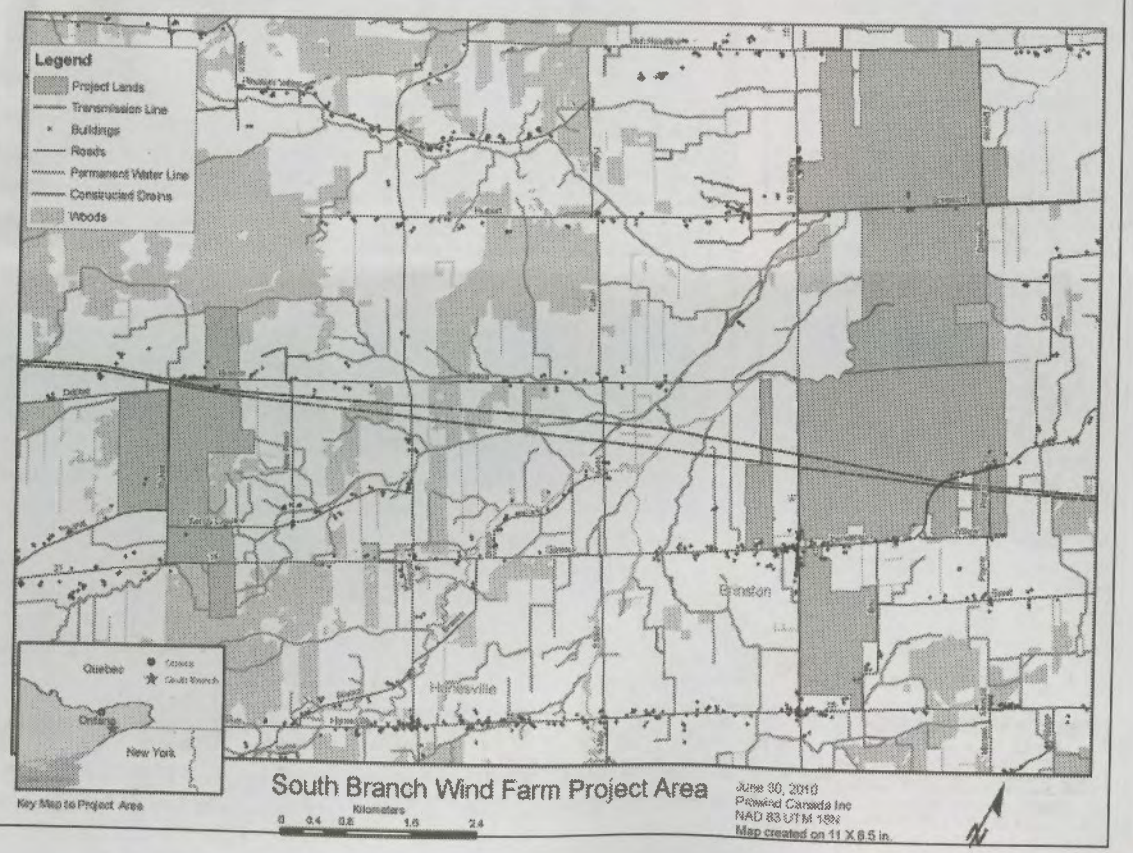
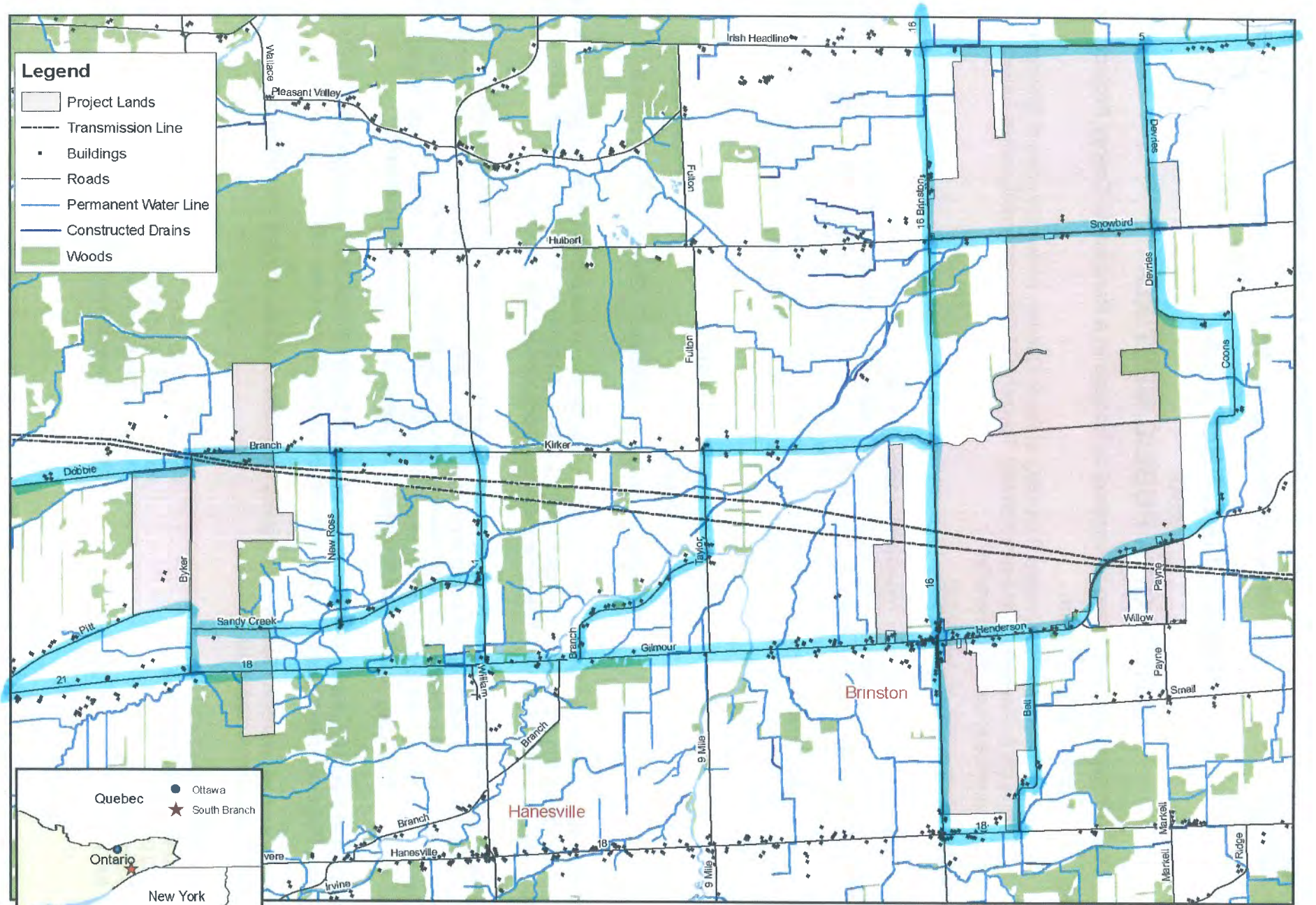
www.prowind.ca





Key Map to Project Area

South Branch Wind Farm Project Area

Kilometers

0 0.4 0.8 1.6 2.4

June 30, 2010
Prowind Canada Inc
NAD 83 UTM 18N
Map created on 11 X 8.5 in.

N

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Cornwall Area Office
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Welcome To...

Prowind Canada's
Public Information Open House

Company Introduction

Prowind Canada Inc. is a Canadian corporation based in Kemptville, Ontario with a mandate to develop wind power generation facilites across the country.

Prowind Canada is intimately tied with Prowind GmbH (Osnabrueck, Germany), a full service company whose core competencies are the planning, financing, construction, and operation of power plants driven by renewable energy; this includes wind, solar, organic and hydro power.

Both Prowind Canada and Prowind GmbH have strong relationships with the farming community. Our success continues to rely on this relationship in order to secure rights on agircultural land to develop wind power. We believe wind energy and agriculture make great partners and this partnership is valued and encouraged by everyone at Prowind.

With our agricultural partners we seek to develop viable wind farms that produce clean, renewable power that continually bring revenue back to rural communities in Canada.

Company History

Prowind GmbH was established in 2000 by dairy farmer and lawyer Johannes Busmann. It has since completed 16 successful wind power projects in Germany alone. The company's current project list includes wind, solar and biomass projects in excess of 1,000 MW in eight countries on four continents (Europe, North & South America, and Australia).

Prowind Canada was established in 2007 to respond to the growing need for the responsible development of large scale sustainable energy solutions in the province of Ontario. With strong roots in the agricultural community, Prowind is well-positioned to make the most of progressive government policy and our healthy wind resource.

Contact Information

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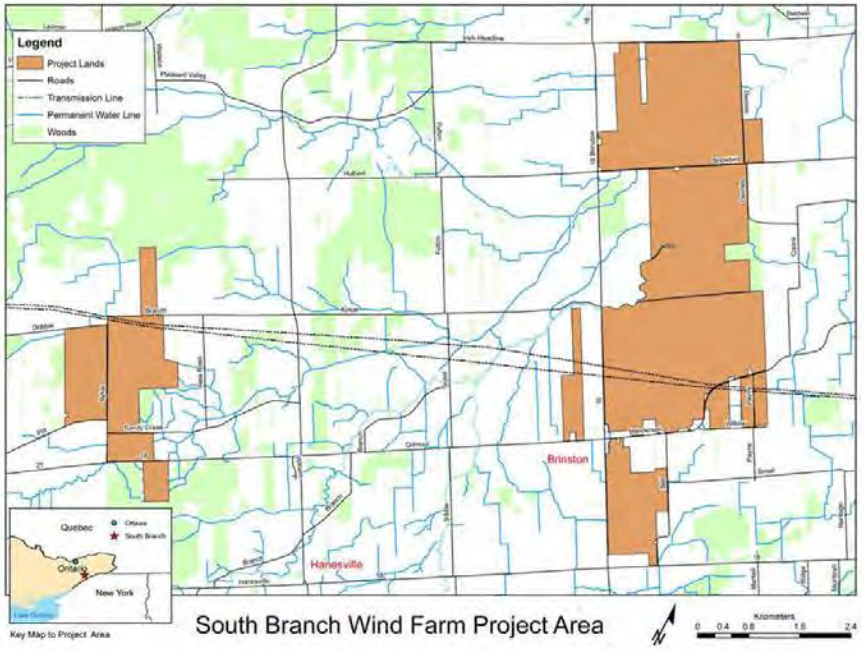
Website: www.prowind.ca

South Branch Wind Farm Details

The South Branch Wind Farm is proposed to produce **30 MW** of renewable energy, enough to power **7,500** average Ontario homes each year.

Project Area

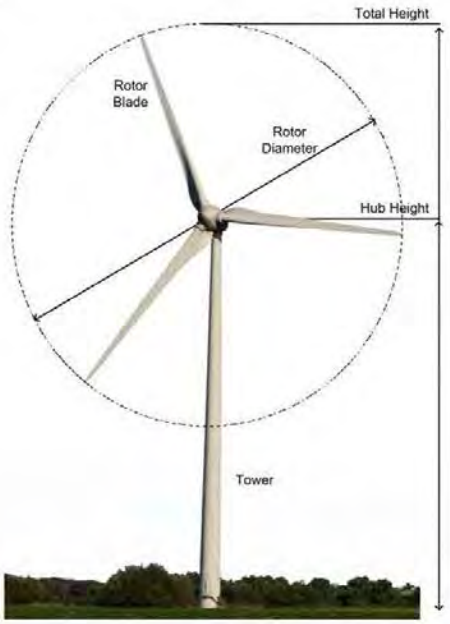


South Branch Wind Farm Project Area

The project will include up to 15 turbines within the area outlined on the map to the left.

Each turbine will produce up to 3.0 MW of electricity and have a hub height of up to 140 metres and a rotor diameter of 100 metres.

Aside from the turbines, the wind farm will also require the construction of access roads, a switching substation and a combination of overhead and underground cabling. The exact locations of the turbines and supplementary features are not yet known, but are currently being determined.

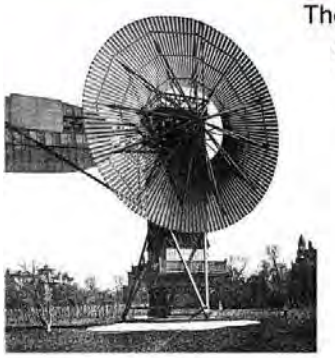


Visual Representation of Project

The image below represents a typical wind farm in an agricultural setting. The size and density of the turbines at the South Branch Wind Farm will be similar to that pictured below.

Background and Mechanics

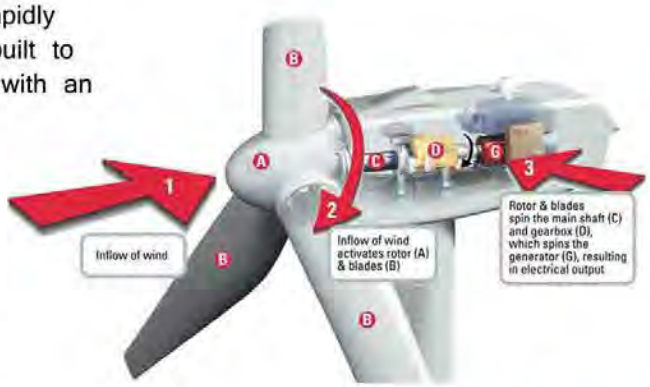
Some History



The wind has long been recognized as a valuable source of energy. Windmills have been used for centuries to grind wheat and pump water. They were regularly used in Holland starting from the 17th century.[1]

The more recent wind energy technology used to produce electricity was invented in the USA in the late 1800s. Charles F. Brush invented the first efficient wind turbine that was used in the public electric grid producing 12 kW.[1] His company was sold and merged into what is today known as the General Electric Company.[2]

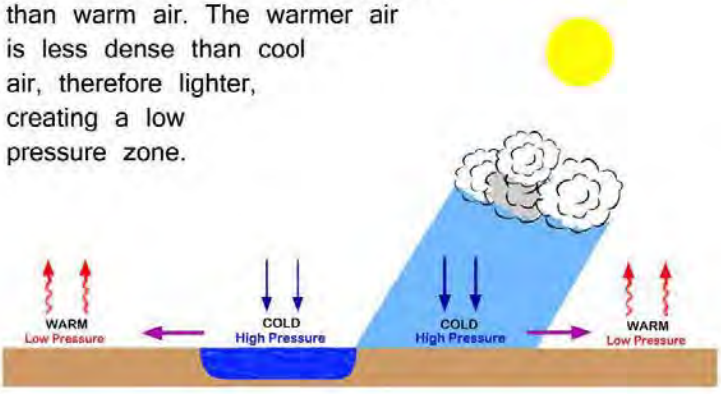
Since then, wind energy technology has been rapidly improving. The average inland turbine is being built to produce 1.65 to 2.5 MW of electricity. Turbines with an output of 5 MW are currently being tested.



The Science of Wind

As the sun beats down on the earth it heats the surface and consequently, the air above the surface.

The cooler air higher in the atmosphere is heavier, denser and higher pressure than warm air. The warmer air is less dense than cool air, therefore lighter, creating a low pressure zone.



The heavier air rushes in to balance the pressure zones, creating a movement of air, or local winds. This differential in air pressure occurs across many landscapes as the sun heats different areas and surface materials at different rates.

In this illustration, water and shady areas heat more slowly than soil and asphalt, creating the pressure difference. This is why coastlines are frequently very windy.

Turbine Figures

Tower Height - 80 to 140 m
Blade Length - 40 to 50 m
Rotor Diameter - 80 to 100 m
Base Diameter - 3 to 4 m
Foundation Depth - 8 to 10 m
Energy Output - 1.65 to 3.0 MW

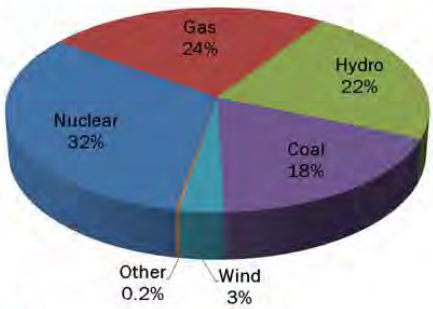
1. Canadian Wind Energy Association. (2008). Introduction to Wind Power. www.canwea.ca/images/uploads/File/NRCan_-_Fact_Sheets/1_introduction.pdf
2. Green Energy Ohio. (n.d.) Charles F. Brush. www.greenenergyohio.org

Local and Global Energy Mix

Canada's energy needs are still reliant on fossil fuels. Energy policy and procurement is the responsibility of each province and priorities differ across the country. In Ontario, coal is slowly being phased out, as it is the most environmentally damaging, although it still provides Ontario with a portion of it's electricity. Renewable energy technologies are in a good position to fill the void left behind by coal, with low start-up costs and quick build times compared to the alternatives.

The Green Energy Act was passed in 2009, which will see renewable energies advance in Ontario and create 50,000 green sector jobs.

Installed Electricity Generation in Ontario [6]



Canadians have a huge appetite for electricity; worldwide, we are the 3rd largest consumer per capita and 7th largest in total consumption.

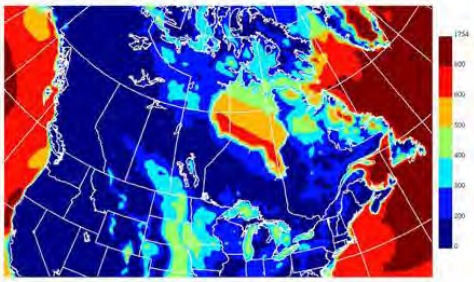
A View Across Canada

Canada's wind energy sector produces enough electricity to power 860,000 homes or approximately 1% of Canada's total energy demand.[2] Currently, 3,319 MW of wind energy is installed in Canada, but this is increasing quickly.

Wind Installations per Province [2]

Canada's Wind Energy Atlas[1]

Environment Canada has released a Wind Energy Atlas to improve the understanding of the wind resource in Canada and facilitate the development of wind energy. This tool is used by wind developers and the public for siting wind projects and assessing wind patterns. You can find this at www.windatlas.ca



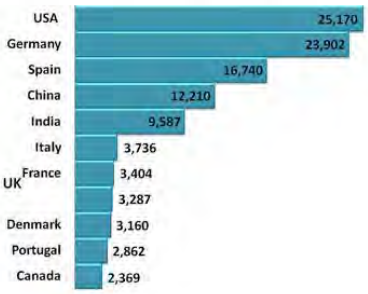
Global Wind Market

Wind energy is growing around the world. The year 2009 saw 32% growth in wind installation capacity and exceeding 200,000 MW in 2010.[4]

Many European countries are decades ahead of Canada. Denmark is still the world leader in this area; more than 20% of the power produced and used in Denmark is from wind energy.

World Wind Leaders[4]

The year 2008 marked the advance of the USA to the top of the global wind energy installation list. Canada came in at a modest 11th place.[4] This is seen in the graph to the right, measured in MW.



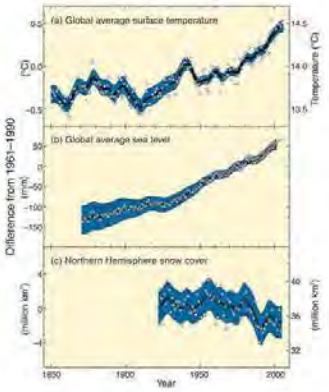
1. Environment Canada. (2002). Canadian Wind Atlas. www.windatlas.ca/en/maps.php
2. Canadian Wind Energy Association. (2010). Canadian Wind Farms. www.canwea.ca/farms/index_e.php
3. Fick and Vincent. (May/June 2001). Who has mapped the Wind? in National Geographic. www.canadiangeographic.ca/Magazine/MJ01/alacarte.asp
4. World Wind Energy Association. (2010). World Wind Energy Report 2009. www.wwindea.org/home/images/stories/worldwindenergyreport2009_s.pdf
5. International Energy Agency. (2008). Key World Energy Statistics. www.iea.org/textbase/nppdf/free/2008/key_stats_2008.pdf
6. Independent Electricity System Operator. (2010). Supply Overview - Existing Installed Generation. www.ieso.ca/imoweb/media/md_supply.asp

Environmental Benefits

Wind power is clean and limitless and leaves a small environmental footprint. Wind is the natural choice.[2]

A Global Problem

It is internationally accepted that climate change, and its association with global warming effects, are a reality.



Climate Change Indices[3]

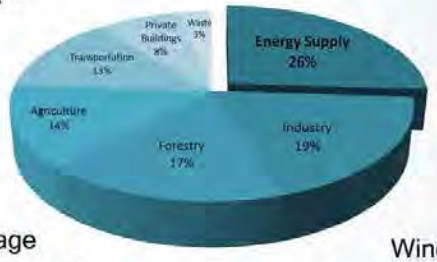
The Intergovernmental Panel on Climate Change (IPCC) has recently released figures indicating that global temperatures have risen 0.76°C in past 100 years. [3]

Warming of the climate system is unequivocal, as is now evident from observations of increases in global average air and ocean temperatures, widespread melting of snow and ice and rising global average sea level.

Global greenhouse gas emissions due to human activities have grown since pre-industrial times, with an increase of 70% between just 1970 and 2004.

Continued greenhouse gas emissions at or above current rates would cause further warming and induce many changes in the global climate system during the 21st century that would very likely be larger than those observed during the 20th century.

Global Greenhouse Gas Emissions 2004[3]



The need for renewable energy has never been greater.

To limit and minimize the anticipated impacts of a changing and unpredictable climate, targets on reducing emissions have been legally agreed internationally - through the Kyoto Protocol. This is accomplished through:

- Improving energy efficiency
- Improving efficiency of transport
- **Reducing emissions from generating electricity.**

A Local Solution

Wind energy has so much to offer us and so little to contribute to global warming. Wind turbines produce zero emissions during operation. Any emissions associated with construction and transportation are offset within the first 6 months of energy production.[1]

Wind energy is free, endless and readily available for harvest. There are no mines, no wastes, no displacement, and no health impacts.

Each 2 MW wind turbine produces enough electricity to power approximately 500 average homes.

Each year, every turbine built will produce enough power to leave 1,800,000 kilograms of coal in the ground and reduce annual greenhouse gas emissions by 4,000 tonnes. This has the same positive impact as taking 834 cars off the road or planting 20,000 trees every year.[1]

Modern wind turbines are efficient too. They are producing electricity 70-85% of the time, although they are not always producing at their maximum output. Over a year, the turbine will produce about 30% of its maximum capabilities. For comparison, large scale power facilities (coal, nuclear) operate at about 50% capacity.[1]

Environmental Assessment

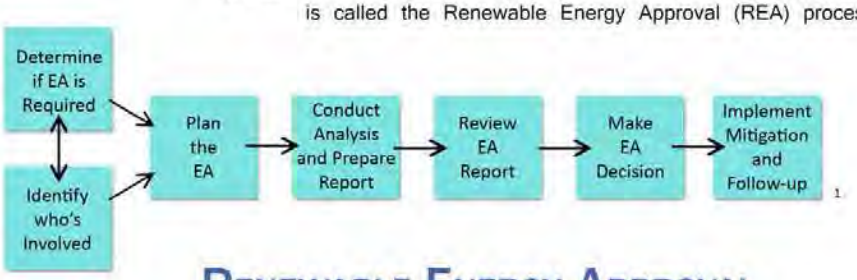
Environmental assessment is a process that is used to predict, evaluate and mitigate the environmental effects of a proposed undertaking.[1] The term "environmental" has a broad focus in this context, taking into consideration the economic, social and natural components of an area.

What Is It?

Each provincial government requires an environmental assessment report for commercial-scale wind farm projects. A federal review is triggered if federal funding is required, a federal permit is sought, or if it is on federally-owned land.

If properly analyzed and planned, each project can be built in a sustainable way that addresses the community's concerns and the future of our planet. The graphic to the right illustrated the three realms of possible impacts. Sustainable development is reached when all three needs are balanced.

Environmental Assessment is a generic process that follows the basic format outlined in the illustration below. In Ontario, the Green Energy Act aims to streamline the process for renewable energy projects. This streamlined process is called the Renewable Energy Approval (REA) process.



Renewable Energy Approval

The Provincial Green Energy Act was passed early in 2009. The Renewable Energy Approval is a regulation (O. Reg 359/09) of the Green Energy Act which streamlines the environmental assessment process for renewable energy projects. The purpose of the regulation is to improve the efficiency and give specialized focus to renewable energy projects while ensuring the same environmental considerations and safe-guards as the old process.

The REA application document is broken into many individual reports dealing with a specific topic. These reports are drafted and then submitted various agencies and stakeholders for comment and necessary approvals before final submission to the Ministry of the Environment. The public and First Nations are important stakeholders. The reports are made available for public review 60 days prior to the final Open House. The reports typically required for Prowind's wind farms include:

- Project Description Report
- Construction Plan Report
- Design and Operations Report, *which includes:*
  - Site Plan
  - Noise Assessment Report
  - Telecommunications Assessment Report
  - Avian Monitoring Report
  - Bat Monitoring Report
- Decommissioning Plan Report
- Natural Heritage Assessment Report
- Water Assessment Report
- Archaeological and Cultural Heritage Assessment Report
- Turbine Specifications Report

In the REA regulation, wind farms are sorted into a "Class" to determine the depth of investigation for environmental assessment and impacts. Of the five classes identified in the regulation, all of Prowind's projects will be designated as "Class 4" wind energy facilities, as they are land-based wind facilities greater than or equal to 50 kW with a sound power level greater than or equal to 102 dBA. "Class 5" wind facilities are those located off-shore. Prowind's proposed wind farms are subject to the strictest and most

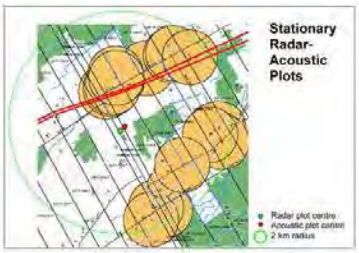
1. Canadian Environmental Assessment Agency (2009). Basics of Environmental Assessment. www.ceaa-acee.gc.ca/default.asp?lang=En&n=8053F859-1

Bird and Bat Monitoring

Pre-construction bird and bat monitoring is an important component of proper evironmental assessment. It is essential to understand the exisiting environment in order to protect it.

Bats

Radar and acoustic bat monitoring was carried during 2009 in late August/early September during migration season. Not all bats species found in this area migrate, but those that do will travel during this time period.



The map to the right depicts the radar monitoring radius of one of the radar station at the South Branch Wind Farm.

Radar monitoring was carried out at several locations across southern and eastern Ontario. This methodology was used to acquire a broad overview of bat movement in Ontario during migration season. This survey provides local data around the project site and also contributes to a greater understanding of a variety of bat species in the province.

This overview of bat movement across Ontario is valuable to the general understanding of the habits and migration routes of bats. This data is currently lacking in Ontario; Prowind's input will help piece together a wider picture of these species.

Birds

Various bird surveys are conducted over the course of year to get an accurate representation of the bird habitat at this location.

The table below summarizes the bird surveys that have been conducted at the South Branch Wind Farm. The figure to the right is an example of the spring and winter survey methodologies and monitoring areas.

Survey	Date	Purpose
Winter	Jan to Mar 2009	Monitors resident bird species that over-winter here
Spring	April/ May 2008 and 2010	Monitors area for spring migration use
Summer (Breeding)	June 2009	Monitors area for use by breeding birds
Fall	Aug to Oct 2009	Monitors area for use during fall migration with special attention to raptors
Owl	April 2010	Monitors area for Owls during mating season when they are most active

Environmental Considerations

Years of study and post-construction monitoring at wind farms all over the world indicate that the impact of wind turbines on birds is less than originally thought.

Birds

Observation has revealed that most bird species are able to see the wind turbines and navigate around them. Many bird species have been seen foraging around the base of turbines and they can land and take off within metres of the base and blades. The average number of bird mortalities due to wind turbines is 2/turbine/year. This is comparatively very low when considering the thousands of birds that die every night from collisions with windows and city buildings.

Habitat loss from turbine construction is another concern, but can be easily prevented by considerate and knowledgeable planning. By avoiding sensitve habitat features and maintaining buffers from woodlots, wetlands, etc., habitat destruction can be virtually eliminated from wind farm development. Agricultural land is a perfect partner for wind energy projects as it is already in production and unavailable for wildlife habitat.

A much bigger concern for birds today is the habitat loss associated with climate change. As average temperatures increase and vegetation species move north, birds that once could not live at particular latitudes are being seen for the first time. This pushes the resident species further north until there is nowhere left to go. Wind energy is part of the climate change solution, which will protect the northern climate habitat and the birds that depend on it.

Causes of Bird Fatalities per 10,000 Fatalities[1,2]

Bats

The impact of wind turbines on bats is generally understudied; however, there is some concern about the unknowns surrounding the relationship between them.

At this point in time, information is still lacking and the best approach to protecting bat species is proper placement of wind turbines.

Bats live in hibernacula such as caves, abandoned mines or other cavernous spaces. They forage for food in woodlots and near open water. They migrate along coastlines and ridges. By recognizing their habits and understanding the way they live and move, wind farms can be placed considerately to avoid areas that bats use frequently. This way wind farms and bats can live separately and happily away from each other.

1. Canadian Wind Energy Association. (2006). Birds, Bats and Wind Energy Fact Sheet. http://www.canwea.ca/images/uploads/File/Publications/Birds_Bats_and_Wind_Energy_Fact_Sheet.pdf
2. Erickson, W. P. et al. (2005). A summary and Comparison of Bird Mortality from Anthropogenic Causes with an Emphasis on Collisions. Published in USDA Forest Service Gen Tech. Rep http://www.fs.fed.us/psw/publications/documents/psw_gtr191/Asilomar/pdfs/1029-1042.pdf

NATURAL HERITAGE AND WATER

The Renewable Energy Approval (REA) requires a records search and area survey for all natural heritage features and water features within 120 m of the project location which includes all turbines, blades and supplementary infrastructure such as cables and roads.

Natural Heritage features include wetlands, woodlands, valleylands, hazard lands, aggregate resources, petroleum resources, parks, areas of natural and scientific interest (ANSIs), among others.

WILDLIFE HABITAT

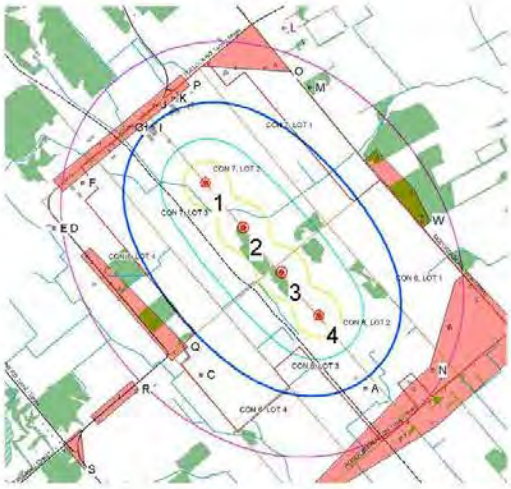
The area within 120 m of the project location is assessed for significant wildlife habitat to determine if there will be any impact from the project. To establish the type of habitat that exists within the project area an **Ecological Land Classification** (ELC) survey is conducted. The type of habitat available will determine if further species surveys are neccessary. The image to the left depicts the habitat codes from an example ELC survey.

ARCHAEOLOGY

The Ministry of Tourism and Culture requires that archaeology surveys be conducted prior to construction and REA submission. A Stage 1 archaeology survey involves a desktop look at the project area to determine areas of high potential for archaeological importance. A Stage 2 archaeology survey involves on-site investigation for any artifacts or evidence of historical habitation and signifcance. Both surveys are required before any wind farm development and are subcontracted out to a professional archaeology team. The image to the right is an example of results from a Stage 1 archaeology survey.

HERITAGE ASSESSMENT

The Ministry of Tourism and Culture requires an assessment of the existing built heritage features and cultural landscapes within the project area. A survey of the existing homes and vistas is conducted by a professional heritage assessment team.



SOUND

Predictive sound modeling is a required study for the provincial environmental assessment process. Strict guidelines are in place to ensure the sound levels from wind farms are acceptable.

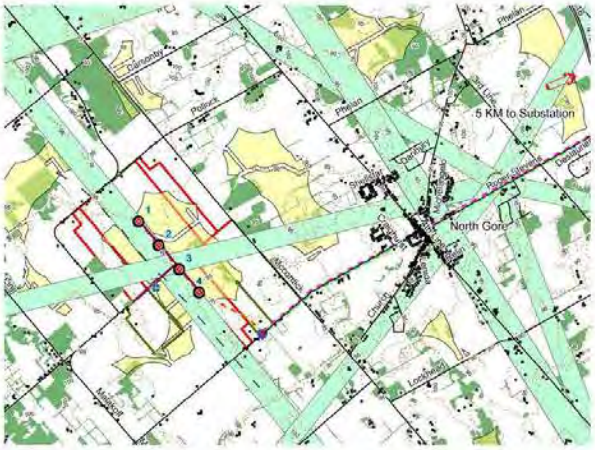
By inputting the turbine to be used, the type of receptor (home, barn, etc.) and a few environmental conditions, we are able to predict the sound levels experienced at nearby locations. Worst-case conditions are used, so often the sound model returns higher results than what is expected in reality.

TELECOMMUNICATION

The Radio Advisory Board of Canada has guidelines and studies required for wind energy projects so that interference with radio communication, radar and seismoacoustic systems does not interrupt service.

The pathways of the existing signals are able to be mapped and the turbines can be placed within this landscape while maintaining the quality of all existing signals.

Consultation is conducted with government agencies utilizing these signals, including Industry Canada, NavCanada, RCMP, Natural Resources Canada, etc.



Impact to existing television broadcast signals will also be studied as required by the Canadian Broadcast Coporation. If the turbines are placed without consideration to public television network signals, interference can occur, impacting the image quality. By studying the location of these signals in relation to receivers and the turbines, negative impacts can be eliminated or reduced and mitigated.

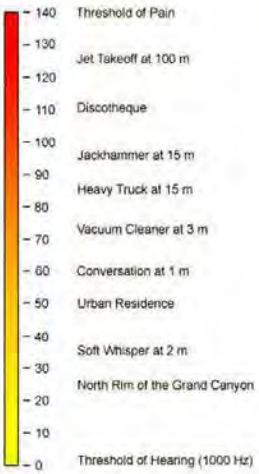
Environmental Considerations

Sound

Modern turbines are so quiet that it's possible to carry on a normal conversation at the base.[4]

Noise from wind turbines comes from two main sources. There is the "swoosh" sound made by the blades passing through the wind, and a less audible hum from the mechanical noise of the generator inside the nacelle.

Typical Sound Levels[3]



Wind projects are required to meet strict Provincial guidelines. Noise approvals are granted only if the wind project meets the noise limits under a "predictable worst case scenario" of operation. The result is that sound levels from the turbines are very often significantly lower than the allowable limits.

The noise limits for wind projects vary with the wind speed. When the wind is calm the limits become more strict to account for a quieter environment. Under these conditions the noise limit is 40 to 45 dBA, depending on the province, which is louder than a whisper, but quieter than the inside of a residence. The best reassurance we can offer is to visit a modern operating turbine to hear it for yourself.

Property Values

Studies completed by several real estate firms have indicated that there are no noticeable decreases in property value after a wind farm is built in the area.

The Renewable Energy Policy Project (REPP) found that there is... "no evidence that property values decreased as a result of wind farms, [...] for the great majority of projects the property values actually rose more quickly in the view shed than they did in the comparable community. Moreover, values increased faster in the view shed after the projects came online than they did before."[2]

Levels of infrasound near the wind turbines are similar to natural infrasound levels due to wind and waves.[1]

Infrasound

Infrasound is low frequency sound that is below a level audible to humans. Infrasound exists naturally from environmental features such as wind and waves and common occurences such as industrial and transporation sources. It is generally accepted that it does not cause impacts to human health.[1]

Concerns surrounding vibrations and health impacts from infrasound are not supported by peer-reviewed scientific evidence. A study completed by HGC Engineering entitled *Wind Turbines and Infrasound* states that "while infrasound can be generated by wind turbines, it is concluded that infrasound is not of concern to the health of residences located nearby."[1] In a recent report prepared by the Chief Medical Officer of Health, in consultation with the Ontario Agency for Health Protection and Promotion, the Ministry of Health and Long-Term Care and the Council of Ontario Medical Officers of Health, Dr. Arlene King stated that "According to the scientific evidence, there isn't any direct causal link between wind turbine noise and adverse health effects.[5]

1. HGC Engineering. (2006). Wind Turbines and Infrasound. www.canwea.ca/images/uploads/File/CanWEA_Infrasound_Study_Final.pdf
2. Renewable Energy Policy Project. (2003). The Effect of Wind Development on Local Property Values. www.repp.org/articles/static/1/binaries/wind_online_final.pdf
3. US Department of Labour. (n.d.). Noise and Hearing Conservation OHSA Technical Manual
4. Canadian Wind Energy Association. (2006). The Sights and Sounds of Wind. www.canwea.ca/images/uploads/File/NRCan_-_Fact_Sheets/7_visual_sound.pdf
5. Chief Medical Officer of Health of Ontario. (2010). The Potential Health Impact of Wind Turbines. www.health.gov.on.ca/en/public/publications/ministry_reports/wind_turbine/wind_turbine.pdf

Electrical Connection Process

Power Purchase Agreement

One of the cornerstones of any wind energy project is the ability to sell or use power produced.

Ontario's Feed-In-Tariff (FIT) Program was enabled by the Green Energy and Green Economy Act, 2009. The Ontario Power Authority (OPA) implements the FIT Program. This program provides a mechanism for the OPA to purchase power at fixed rates for a range of renewable energy sources. This program is open to any interested developer with a project based in Ontario.[1]

FIT contracts are generally valid for 20 years, providing a stable and predictable source of income over the life of the project. The OPA awards contracts based on the availability of grid capacity at the proposed connection point and the shovel-readiness of each project.

The FIT program encourages developers to meet projected development timelines - no longer than 3 years from contract award date. Financial penalties are levied for any delays. This effectively encourages a quick adoption of renewable energy in our Province.

Grid Connection

Another critical element of any project is securing a connection to the distribution or transmission systems, in other words, 'the Grid'. Essentially, finding a point where the project can connect to feed its energy into to the electrical system powering Ontario residences, communities and businesses.

Upon receipt of a FIT Contract, wind developers may submit requests to the Local Distribution Company (LDC) for Connection Impact Assessment (CIA), the first stage in securing Grid connection. Details on the proposed wind farm design are provided and reviewed by LDC staff. The CIA report provides an estimate on the costs that will be borne by the developer in order to connect the project as proposed. These costs cover any necessary upgrades or revisions to the current system.

Subsequent assessments on project impact are requested from the Independent Electrical System Operator (IESO) for both System Impact Assessments and Transmission Connection Impact Assessments. Additional necessary infrastructure improvements may be uncovered.

Both Grid Connection and Power Purchase Agreement processes are independent of the Renewable Energy Approval process.

South Branch Wind Farm Connection

The South Branch Wind Farm was awarded a 30 MW FIT contract in April 2010.

The South Branch Wind Farm is proposed as a distribution-connected energy facility, and negotiations for Grid access have begun with the LDC, Hydro One.

1. Ontario Power Authority. (2010). What is the Feed-In Tariff Program? http://www.fit.powerauthority.on.ca/Page.asp?PageID=1115&BL_WebsiteID=19

South Branch Wind Farm Status

Milestones Reached

May 2007 - Meteorological Tower Erected

January 2009 - Preliminary Open House

Jan to Mar 2009 - Winter Bird Monitoring

June 2009 - Summer Bird Monitoring

August 2009 - Radar Bat Monitoring

Aug to Oct 2009 - Fall Bird Monitoring

April 2010 - FIT contract awarded

April 2010 - Owl Monitoring

Apr to May 2010 - Spring Bird Monitoring

July 2010 - REA process initiated

Future Milestones

Winter 2011 - Final Open House

Spring 2011 - Submit REA Application

Fall 2011 - Receive REA Approval

Fall 2011 - Building Permit Secured

Spring 2012 - Begin Construction

Fall 2012 - Wind Farm Commissioning!

Any upcoming milestones are speculative and our best estimates at this time. The planning and permitting of a wind farm is a long process with many steps, any one of which could be delayed, thereby delaying the whole process.

If you'd like to be informed of future milestones for the South Branch Wind Farm, be sure to add your name and contact information to the sign-in sheet and we'll add you to the mailing list.

Progress Update

Planning and permitting of the South Branch Wind Farm is moving at a steady pace.

The adoption of the Ontario Green Energy Act has reset some of the timelines, but it will make the process more streamlined in the future.

The South Branch Wind Farm received a Feed-in-Tariff (FIT) contract which guarantees a connection to the provincial electricity grid.

The new environmental assessment (EA) process, the Renewable Energy Approval, was initiated in July of this year when a "Notice of a Proposal" was issued.

A previous open house was held to meet the requirements of the old EA process. Today's open house is being held because changes to the project scope require another preliminary open house to present the changes.

Some of you may recall that this project was previously three 10 MW projects. It has since been merged into one 30 MW project due to changes in provincial legislation and funding.

Some species studies including bird and bat surveys have been completed. Natural and cultural heritage studies and are underway.

Timeline

Wind Energy Background and Mechanics

Fact Sheet: Wind Power Realities. (2009). Pembina Institute, Tim Weis.
http://re.pembina.org/docs/revised-final-wind-factsheet.pdf

World Wind Energy Report 2009. (2010). World Wind Energy Association.
http://www.wwindea.org/home/images/stories/worldwindenergyreport2009_s.pdf

Wind Energy Fact Sheets. (2008). Canadian Wind Energy Association.
http://www.canwea.ca/wind-energy/windfacts_e.php

Public Opinion

Wind Power Survey. (2008). The Strategic Counsel.
http://www.canwea.ca/images/uploads/File/Windpower_Survey.pdf

Wind Energy in Ontario. (2010). Ipsos Reid.
http://www.canwea.ca/pdf/ipsosreid_ontariosurvey.pdf

Provincial Policy

Provincial approvals for Renewable Energy Projects. (2010). Government of Ontario.
http://www.ene.gov.on.ca/en/business/green-energy/docs/REP_Guide.pdf

Noise Guidelines for Wind Farms. Interpretation for Applying MOE NPC Publications to Wind Power Generation Facilities. (2008). Ontario Ministry of the Environment.
http://www.ene.gov.on.ca/publications/4709e.pdf

Environmental Considerations

Health

The Potential Health Impact of Wind Turbines. (2010). Chief Medical Officer of Health (CMOH).
http://www.health.gov.on.ca/en/public/publications/ministry_reports/wind_turbine/wind_turbine.pdf

Memorandum on Wind Turbines. (2009). Dr. Arlene King, Chief Medical Officer of Health, Ontario Ministry of Health and Long Term Care.
http://www.ottawa.ca/calendar/ottawa/citycouncil/ara/2010/01-14/WindTurbinesMOHLTC.pdf

Memorandum on Wind Turbines. (2010). Dr. Isra Levy, Medical Officer of Health, Ottawa Public Health.
http://www.ottawa.ca/calendar/ottawa/citycouncil/ara/2010/01-14/A%20-%20ACS2009-CCS-ARA-0005-IPD_Memo_Wind_Turbines.htm

Addressing Concerns with Wind Turbines and Human Health. (2009). CanWEA
http://www.canwea.ca/pdf/CanWEA%20-%20Addressing%20concerns%20with%20wind%20turbines%20and%20human%20health.pdf

No Breathing Room: National Illness Costs of Air Pollution. (2008). Canadian Medical Association.
http://www.cma.ca/multimedia/CMA/Content_Images/Inside_cma/Office_Public_Health/ICAP/CMA_ICAP_sum_e.pdf

Sound/Infrasound

Wind Turbine Sound and Health Effects - An Expert Panel Review. (2009). W. David Colby et al.
http://www.canwea.ca/pdf/talkwind/Wind_Turbine_Sound_and_Health_Effects.pdf

HGC Engineering. (2006). Wind Turbines and Infrasound.
http://www.canwea.ca/images/uploads/File/CanWEA_Infrasound_Study_Final.pdf

Property Values

Wind Energy Study – Effect on Real Estate Values in the Municipality of Chatham-Kent, Ontario. (2010). Canning Consultants Inc. & John Simmons Realty Services Ltd.
http://www.canwea.ca/pdf/talkwind/PropertyValuesConsultingReportFebruary42010.pdf

The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site Hedonic Analysis. (2009). Ben Hoen, et al.
http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf

Property Value Study: The Relationship of Windmill Development and Market Prices – Township of Melancthon. (2006). Blake, Matlock and Marshal Ltd.
http://www.windrushenergy.com/update_sep_2009/Appendix%20F%20-%20Property%20Value%20Assessment%20-%20local%20County-optimized.pdf

Stray Voltage

Stray Voltage Fact Sheet. Canadian Wind Energy Association.
http://www.canwea.ca/pdf/talkwind/StrayVoltageFactSheet.pdf

Power Generation and Sale

Ontario's Feed-In-Tariff Program Backgrounder. (2009). Ontario Power Authority.
http://fit.powerauthority.on.ca/Page.asp?PageID=924&ContentID=10616

Feed-in Tariff Program Overview. (2010). Ontario Power Authority
http://fit.powerauthority.on.ca/Storage.asp?StorageID=10507

Feed-in Tariff Program: FIT Rules. (2009). Ontario Power Authority.
http://fit.powerauthority.on.ca/Storage.asp?StorageID=10554

South Branch Wind Farm Materials

South Branch Wind Farm Draft Project Description Report
http://www.prowind.ca/downloads/South_Branch_Project_Description_Report_2010-06-30.pdf

CONTACT INFORMATION

Prowind Canada Inc.
Mail: PO Box 1678, 210 Prescott St., Suite 3, Kemptville, On K0G 1J0
Email: info@prowind.ca Phone : 613-258-6700 Fax: 613-258-6722 Web: www.prowind.ca

Public Information Centre for South Branch Wind Farm

Date: 2010 August 10
Time: 6pm to 9pm
Location: Matilda Hall, Dixon's Corners, Ontario

Advertisements:

Mailed to agency, first nation and municipal contacts
Hand delivery to residents within 2km of the project location on July 8, 2010
Advertising in newspapers:
Indian Time – publication July 8, 2010
Morrisburg Leader – publication July 7, 2010 and July 14, 2010

Prowind Staff Present:

Juan Anderson
Cathy Weston
Rochelle Rumney
Bart Geleynse

Attendance:

Approximately 60 members of community, local municipal groups and agency representatives attended.

Format:

Informal poster session with Prowind staff on-hand to answer questions and provide additional details on request.

Attendees were asked to sign-in upon arrival and complete a questionnaire to provide feedback or request further information. Only two questionnaires were submitted.

Posters are available on the Prowind website at
http://www.prowind.ca/?page=projects-south-branch

Summary of Question and Answers
South Branch Wind Farm Public Meeting

August 11, 2010

Question	Answer Provided
Where are the turbines going and why are you having the meeting before you know the final layout?	We wanted to engage the public as early as possible so you know the project is being considered. Prowind feels it is too late in the development to consult the public after we have a final layout. Turbine siting is a complex undertaking that must account for various factors, some of which we won't fully appreciate until the EA is complete and our wind studies are sufficient.
Do we (non-participating landowners) have any choice as to whether turbines are placed on our lands?	Yes, of course. Prowind had lengthy discussions with each participating landowner and a contract must be signed. The decision is made between Prowind and the landowner whether or not a turbine is placed on their land.
Are there already landowners signed up?	Yes.
Why is my land included in the study area when I have not signed an agreement?	The study area is the general area that the environmental assessment must consider. Some impacts on the environment fall outside the specific project lands, so a wider "project area" must be considered.
What type of turbines are you using?	We haven't decided on the turbine technology we want to build with. Turbine technology has unique characteristics and therefore changes the locations. Once we have developed a final layout we will inform the public through the EA process.
How many turbines are there going to be?	The project is sized to be 30 MW (formerly 3 separate 10MW projects). There will be no more than 15 turbines and as few as 10 across the entire project area.
What setbacks will you be using?	Prowind will use the greater of: a. Ontario's regulated setback of 550 m. b. A setback that results from noise modeling based on a noise limit at non-participating residences of 40 dBA.
How much power will the turbines produce?	Each turbine will produce between 2 and 3 MW of electricity, enough to power approximately 500 homes.
Will they be loud?	Any homes not directly involved in the project are subject to the provinces noise regulation. Prowind does in-depth noise studies to ensure that nearby homes will not experience noise greater than 40 dbA, about the level of a quiet library.
How much shadow flicker will be produced?	Shadow flicker is easy to predict/model and therefore the turbines can be placed so that the least amount of shadow flicker is experienced in the nearby area. Shadow flicker will never be more than 30 hours annually and in most cases, will be well below that level.

What about the health concerns being raised?	There is plenty of information on either side of the health concerns debate. Be sure to read peer-reviewed scientific reports on these issues to get accurate information. As of right now, there is no evidence of health effects due to turbines. The health concerns may be coming from a general source of stress from the wind farms, which could be attributed to any new development. Prowind and the province does not believe that wind farms are a health concerns to those living nearby. *Referred them to Chatham-Kent Health Impacts Report.*
What is the expected date of construction?	A timeline was provided on one of the posters. If the process goes smoothly, construction may begin as early as March 2010. Many were surprised to hear that the project was not 'definitely moving ahead' or 'set in stone'.
How will property values be impacted?	We have several studies referencing property values and wind turbines. Please indicate if you'd like to receive one via email on your questionnaire. In general, study results seem to indicate that property value changes are neutral on average.
Will the wind farm cause stray voltage?	Stray voltage can be a problem on farms with or without a wind farm nearby. Stray voltage is a grounding problem that lies in the provincial or local network or the farming equipment system itself. Since our project is connecting via the distribution system, Hydro One will require us to upgrade the neutral to a sufficient size as to minimize the likelihood of stray voltage. If stray voltage occurs after the wind farm is installed contact your local utility company and they are required to repair the problem. Wind farms are not the cause of stray voltage.
Will the wind farm disrupt livestock in the area?	Livestock have been living amongst wind turbines for decades in Europe and for some time in Canada. There is no indication that wind turbines disrupt or cause stress to livestock. Livestock often use the turbines for shade.
Will there be any vibration or effects from infrasound?	Consider the benign nature of other sources of vibration that occur as part of living in the natural world. Infrasound from natural sources occurs at levels equal to that from a wind turbine. *Referenced the studies available for more information.*
Why don't we put turbines out in the wilderness far from communities?	There are three basic determining factors of any potential wind site; grid access, wind speed, and land space. Further, Prowind is committed to bringing sustainable solutions to the agricultural community. This combination has led us to South Branch.
What is the Green Energy Act and what role does it play in your development process?	The GEA provides a more stringent set of rules under which we develop. If we meet and exceed these new provincial rules the permitting process is streamlined.

Prowind CANADA

Wind Farm Public Information Open House Survey

Please return completed surveys to Prowind Canada Inc.

Address: P.O. Box 1678, Kemptville, ON, K0G 1J0 **Fax:** 613-258-6722 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? (YES) NO

5. How close to the proposed wind farm do you live? 0-5km 6-10km (11-20km) >20 km

6. Do you support wind energy? Why? I support green energy of all kinds.

7. Do you support the proposed wind farm? Why? The grid needs the power produced

8. Would you like any additional information (studies, handouts, etc.) sent to you? If yes, on what topic(s)? Info on Canadian Content.

9. Prowind intends to donate a portion of the annual revenue of the completed wind farm to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients. Township Council for redistribution

10. Do you have any questions that you would like us to respond to after the open house (via mail or email)? Is there an additional project which will move forward after this one.

11. Do you have any comments on the format of the open house and/or suggestions for future meetings?

12. Do you have any additional comments you wish to share with us?

This information is collected to help us understand your concerns and improve every aspect of our project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

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Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? (YES) NO

5. How close to the proposed wind farm do you live? 0-5km (6-10km) 11-20km >20 km

6. Do you support wind energy? Why? YES. - / CLEAN.

7. Do you support the proposed wind farm? Why? YES / NEEDED.

8. Would you like any additional information (studies, handouts, etc.) sent to you? If yes, on what topic(s)? N/A.

9. Prowind intends to donate a portion of the annual revenue of the completed wind farm to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients.

TOWNSHIP OF EDWARDSBURGH/CARDINAL.

10. Do you have any questions that you would like us to respond to after the open house (via mail or email)? NO

11. Do you have any comments on the format of the open house and/or suggestions for future meetings? NO

12. Do you have any additional comments you wish to share with us? NO

This information is collected to help us understand your concerns and improve every aspect of our project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

SOUTH BRANCH WIND FARM PUBLIC INFORMATION OPEN HOUSE

August 11, 2010 6 pm to 9 pm Matilda Hall, Dixon's Corners, South Dundas

	Name* (Please print clearly)	Place of Residence (Town/City)	Can we add you to the project mailing list?	E-mail or mailing address* (for mailing list)
1	Del Jones	Morrisburg	☑ Yes ☐ No	[redacted]
2	Henry Zanelbergen	Brinston	☐ Yes ☑ No	
3	Rebecca Comfort	Iroquois	☑ Yes ☐ No	[redacted]
4	Douglas Kehoe	Cornwall	☑ Yes ☐ No	
5	Melissa Lee	"	☑ Yes ☐ No	
6	Norman Stewart	Brinston	☑ Yes ☐ No	
7	Evonne Delegarde	Iroquois	☑ Yes ☐ No	
8	HILARY ALBERS	Shanly	☑ Yes ☐ No	
9	BRUCE ALBERS	Shanly	☑ Yes ☐ No	
10	Jack SULLIVAN	LONG SAULT	☑ Yes ☐ No	
11	DON LEWIS	IROQUOIS	☑ Yes ☐ No	
12	Albert & Betty Auwet	Shanley	☑ Yes ☐ No	
13	John Hitsman	Shanly	☐ Yes ☑ No	
14	JOHN HETENMAN	HOLBEAT	☑ Yes ☐ No	[redacted]
15	Bill Harbers	Brinston	☑ Yes ☐ No	
16	HUGH CAMERON	CARDINAL	☑ Yes ☐ No	
17	LARRY DISHAW	Edwardsburg/Cardinal Twp	☑ Yes ☐ No	
18	Jim Locke	IROQUOIS	☑ Yes ☐ No	
19	ALEN MCRIES	RR#1 Williamsburg	☑ Yes ☐ No	
20	Steven Byvelds	IROQUOIS	☐ Yes ☐ No	

* Personal information collected by Prowind is for **internal office use only** and will not be published or made available to anyone.

210 Prescott Street, Suite 3
PO Box 1678
Kemptville, Ontario K0G 1J0

Phone: 613.258.6700
Fax: 613.258.6722
Email: info@prowind.ca

August 12, 2010

Mayor Larry Dishaw
[redacted]

Re: South Branch Wind Farm – Public Meeting

Dear Mayor Dishaw,

Thanks for your attendance at last night's meeting for the South Branch Wind Farm and for taking the time to complete a survey as we do appreciate your feedback on the proposed project.

We're pleased to report that your name was drawn this morning from those that completed surveys and you have won a Prowind t-shirt.

In your responses you had requested some further information about the Canadian content regulations. Onshore wind projects such as South Branch, with target commissioning dates that are beyond January 1, 2012 are subject to a 50% Domestic Content requirement as part of the FIT contractual obligations. The OPA has established a scoring system for different major components weigh toward an overall DC level. Note that the requirements are for at least 50% of these components to be sourced in Ontario. I have included the OPA scoring grid for domestic content for your reference.

You had also asked whether Prowind is planning another project after the South Branch Wind Farm. At this time, there are no plans to expand the South Branch project beyond its current 30MW scope, nor to create new projects in the neighbouring areas. Prowind does have separate projects in the Lansdowne and Winchester areas, named Upper Canada Wind Farm and Kerr's Ridge Wind Farm respectively. These projects have not received FIT contracts and as a result are on hold pending results of the next Economic Connection Test due to be completed by the OPA within the next 6 months.

Hopefully this has answered your questions. Thanks again for your participation in last night's meeting. We hope to see you at our final open house, tentatively scheduled for January 2011.

Sincerely,

Cathy Weston

210 Prescott Street, Suite 3
PO Box 1678
Kemptville, Ontario K0G 1J0

Phone: 613.258.6700
Fax: 613.258.6722
Email: info@prowind.ca

August 12, 2010

Hugh Cameron
[redacted]

Re: South Branch Wind Farm – Public Meeting

Dear Mr. Cameron,

Thanks for your attendance at last night's meeting for the South Branch Wind Farm and for taking the time to complete a survey as we do appreciate your feedback on the proposed project.

We're pleased to report that your name was drawn this morning from those that completed surveys and you have won a Prowind t-shirt.

We were also grateful to see your positive comments about renewable energy and the South Branch Wind Farm. We hope all questions you may have had were answered by last night's session. If you have any additional questions or comments, please don't hesitate to contact us.

Thanks again for your participation in last night's meeting. We hope to see you at our final open house, tentatively scheduled for January 2011.

Sincerely,

Cathy Weston

APPENDIX D

NOTICE OF DRAFT REA DOCUMENTS AND PUBLIC MEETING

APPENDIX D: NOTICE OF FINAL PUBLIC MEETING AND DRAFT REA

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NOTICE OF FINAL PUBLIC MEETING

To be held by Prowind Canada Inc. regarding a
Proposal to Engage in a Renewable Energy Project

Project Name: SOUTH BRANCH WIND FARM
Location: Brinston, Ontario and surrounding areas in the Township of South Dundas, United Counties of Stormont, Dundas & Glengarry; Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville
Dated at: Township of South Dundas this the 25th of July 2011.

Prowind Canada Inc. in conjunction with South Branch Windfarm Inc. has engaged in a renewable energy project in respect of which the issuance of a Renewable Energy Approval is required. The distribution of this notice of a final public meeting and the project itself are subject to the provisions of the *Environmental Protection Act* (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of the Environment.

Meeting Location:
DATE: Thursday, September 29th, 2011
TIME: 6:00 pm to 9:00 pm
PLACE: Matilda Hall, 4421 County Road 16, Dixon's Corners, Ontario

The meeting will be in an Open House format, allowing attendees to visit any time during the event.

Project Description: Pursuant to the Act and Regulation, the facility, in respect of which the project is to be engaged, is considered to be a Class 4 Wind Energy Facility. If approved, this facility would have a total maximum nameplate capacity of 30 MW. The project location is described in the map below.

Documents for Public Inspection: The Draft Project Description titled *South Branch Wind Farm Project Description Report* describes the facility as a wind power generation facility with up to 15 turbines and ancillary facilities including electrical collector systems, turbine access roads, a transformer substation and construction staging areas. A written copy of this report was made available on July 7, 2010 on the South Branch Wind Farm website: **www.prowind.ca/?page=projects-south-branch**

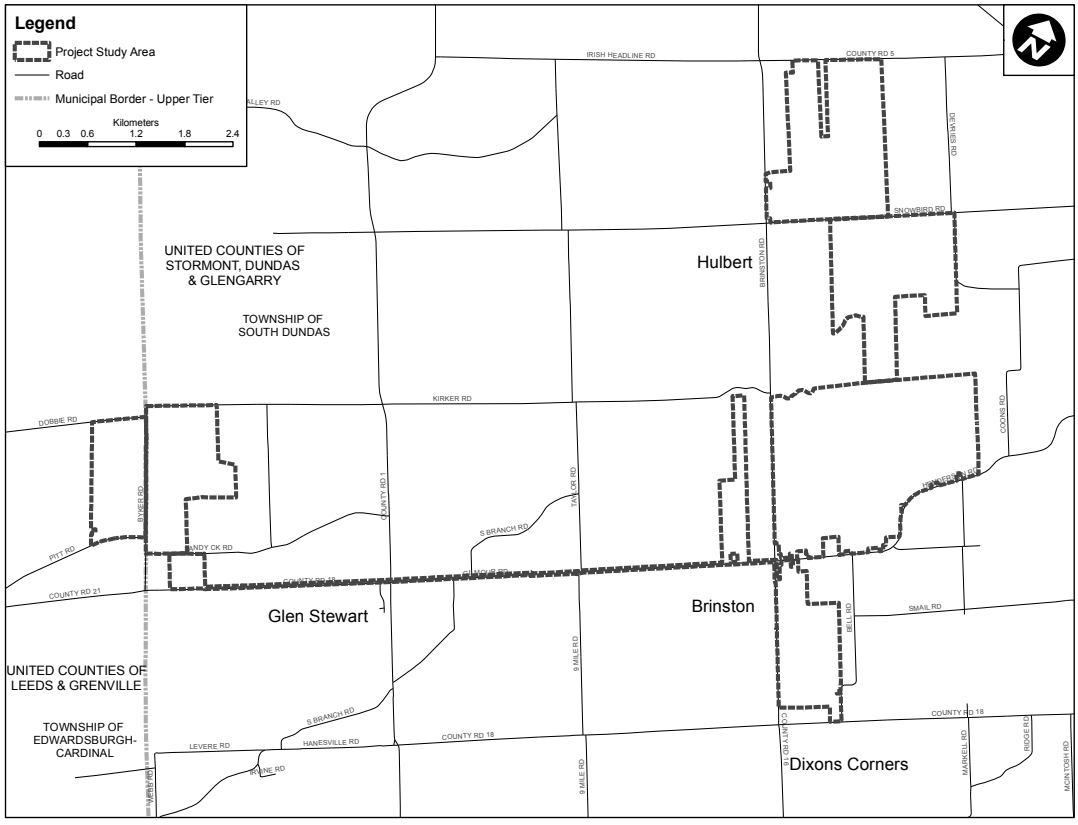
Further, Prowind Canada Inc. has also prepared the following supporting documents in order to comply with the Act and Regulation:

Design and Operations Report; Construction Plan Report; Decommissioning Plan Report; Turbine Specifications Report; Natural Heritage Assessment Report; Archaeological and Heritage Resources Assessment Report; Water Assessment Report; and Abutting Property Assessment Report.

Printed copies of the draft supporting documents will be made available for public inspection at the Municipal Offices of South Dundas (4291 County Road 31, Williamsburg) and Edwardsburgh/Cardinal (18 Centre Street, Spencerville) and the project website on July 31, 2011.

Project Contacts and Information:
To learn more about the project proposal or to relay your comments, please contact:

Prowind Canada Inc.
226 ½ James St. N, Unit A
Hamilton, ON L8R 2L3
Phone: 905-528-1747
Fax: 866-203-6516
Email: info@prowind.ca
Web: www.prowind.ca



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Location: Brinston, Ontario and surrounding areas in the Township of South Dundas, United Counties of Stormont, Dundas & Glengarry; Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville
Dated at: Township of South Dundas this the 25th of July 2011.

Prowind Canada Inc. in conjunction with South Branch Windfarm Inc. has engaged in a renewable energy project in respect of which the issuance of a Renewable Energy Approval is required. The distribution of this notice of a final public meeting and the project itself are subject to the provisions of the *Environmental Protection Act* (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of the Environment.

Meeting Location:
DATE: Thursday, September 29th, 2011
TIME: 6:00 pm to 9:00 pm
PLACE: Matilda Hall, 4421 County Road 16, Dixon's Corners, Ontario

The meeting will be in an Open House format, allowing attendees to visit any time during the event.

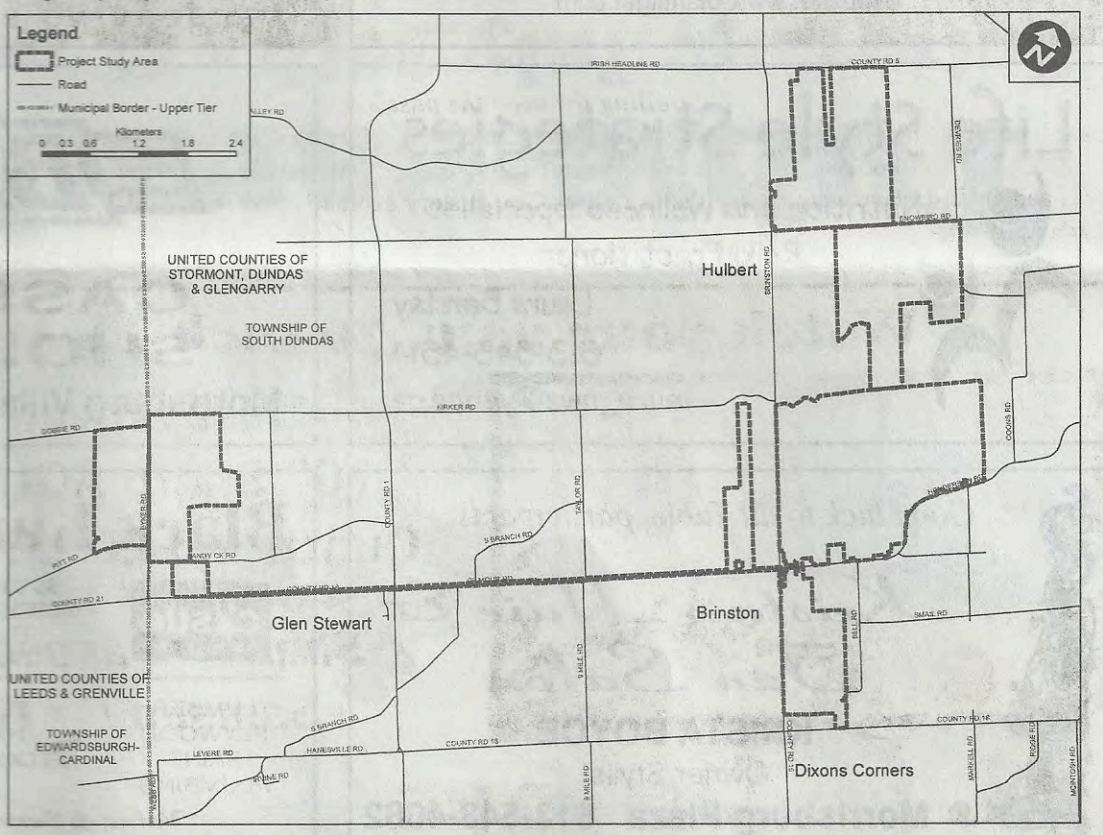
Project Description: Pursuant to the Act and Regulation, the facility, in respect of which the project is to be engaged, is considered to be a Class 4 Wind Energy Facility. If approved, this facility would have a total maximum nameplate capacity of 30 MW. The project location is described in the map below.

Documents for Public Inspection: The Draft Project Description titled *South Branch Wind Farm Project Description Report* describes the facility as a wind power generation facility with up to 15 turbines and ancillary facilities including electrical collector systems, turbine access roads, a transformer substation and construction staging areas. A written copy of this report was made available on July 7, 2010 on the South Branch Wind Farm website: **www.prowind.ca/?page=projects-south-branch**

Further, Prowind Canada Inc. has also prepared the following supporting documents in order to comply with the Act and Regulation:

Design and Operations Report; Construction Plan Report; Decommissioning Plan Report; Turbine Specifications Report; Natural Heritage Assessment Report; Archaeological and Heritage Resources Assessment Report; Water Assessment Report; and Abutting Property Assessment Report.

Printed copies of the draft supporting documents will be made available for public inspection at the Municipal Offices of South Dundas (4291 County Road 31, Williamsburg) and Edwardsburgh/Cardinal (18 Centre Street, Spencerville) and the project website on July 31, 2011.



Project Contacts and Information:
To learn more about the project proposal or to relay your comments, please contact:

Prowind Canada Inc.
226 ½ James St. N, Unit A
Hamilton, ON L8R 2L3
Phone: 905-528-1747
Fax: 866-203-6516
Email: info@prowind.ca
Web: www.prowind.ca

- Planners
- Monetary donations that can be used towards the purchase of miscel-

mer long; join in to help the children of the community!

NOTICE OF FINAL PUBLIC MEETING

To be held by Prowind Canada Inc. regarding a Proposal to Engage in a Renewable Energy Project

Project Name: SOUTH BRANCH WIND FARM
Location: Brinston, Ontario and surrounding areas in the Township of South Dundas, United Counties of Stormont, Dundas & Glengarry; Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville
Dated at: Township of South Dundas this the 25th of July 2011.

Prowind Canada Inc. in conjunction with South Branch Windfarm Inc. has engaged in a renewable energy project in respect of which the issuance of a Renewable Energy Approval is required. The distribution of this notice of a final public meeting and the project itself are subject to the provisions of the *Environmental Protection Act* (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of the Environment.

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Documents for Public Inspection: The Draft Project Description titled *South Branch Wind Farm Project Description Report* describes the facility as a wind power generation facility with up to 15 turbines and ancillary facilities including electrical collector systems, turbine access roads, a transformer substation and construction staging areas. A written copy of this report was made available on July 7, 2010 on the South Branch Wind Farm website: **www.prowind.ca/?page=projects-south-branch**

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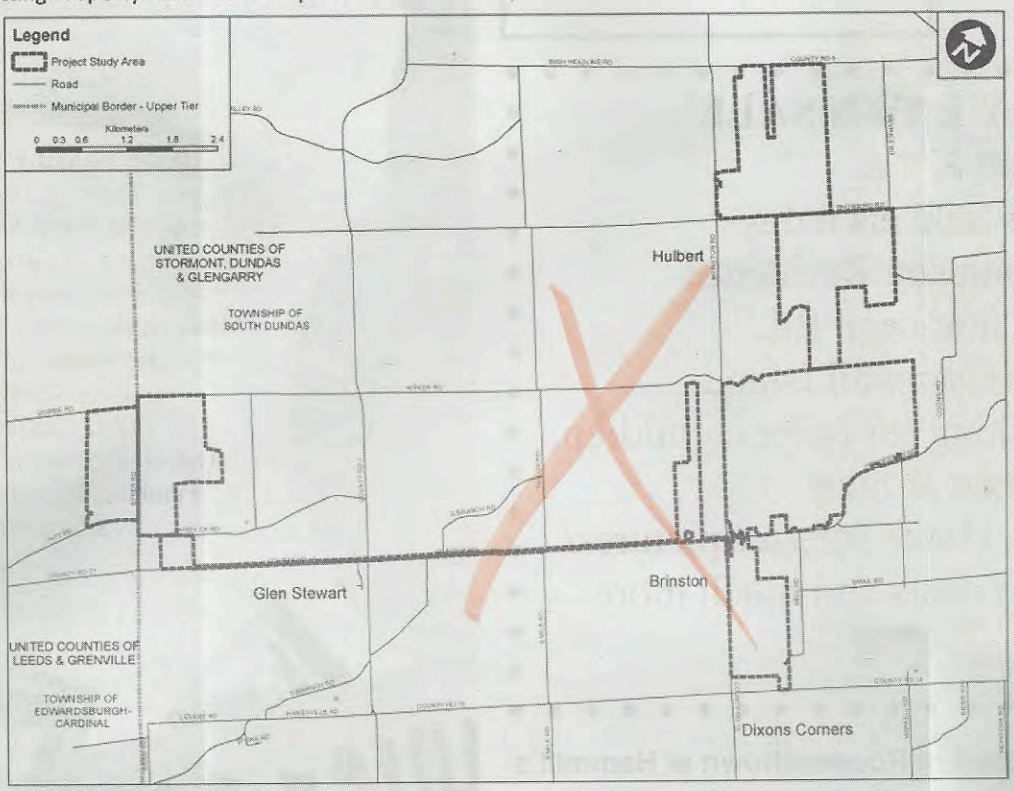

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Presenter: Gerry
Date: Monday,
Time: 7 to 9 pm
Location: Ak Center on Rte 37
Gerry Biron cre Raised Beadwor panying catalog process of publis an avid collector and Wabanaki b an accomplished latest paintings i wesasne Mohaw ioieron Perkins.

Indian T be purc every T on Rt. 3

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South Branch Wind Farm Public Meeting
Summary of Distribution of Notices of Draft REA and Public Meeting

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Jul 27, 2011 - Published in local paper Morrisburg Leader

Jul 28 2011 - Delivery of Notices by Canada Post to Brinston Rural Route area

Jul 31, 2011 - Notice emailed to public, agency and First Nations stakeholder distribution list

Jul 31, 2011 - Draft REA documents and Notice to South Branch website

Aug 2, 2011 - Delivery of Notices by hand to non-Brinston Rural Route homes

Aug 2, 2011 (AM) - Hard copies of Draft REAs delivered to Township offices:

Township of South Dundas
4296 County Rd. 31/Bank St.
Williamsburg, ON
K0C 2H0

Township of Edwardsburgh/Cardinal
18 Centre St.
Spencerville, ON
K0E 1X0

Aug 3, 2011 - Mailed hard copies of Notice to non-Brinston route homes without mailbox (addresses below)

Occupant
11022 County Rd 5
RR 1
Inkerman, ON K0E 1J0

Occupant
98 County Rd 21
RR 4
Spencerville, ON K0E 1X0

Occupant
208 Dobbie Rd
RR 3
Spencerville, ON K0E 1X0

Occupant
115 County Rd 21
RR 4
Spencerville, ON K0E 1X0

Aug 3, 2011 - Published in local paper Morrisburg Leader

Aug 4, 2011 - Published in First Nations paper Indian Time

South Branch Wind Farm – Public Information Open House

Date: Thursday, September 29, 2011 **Location:** Matilda Hall

Time: 6:00 pm to 9:00 pm 4421 Brinston Rd. (CR 16), Dixon's Corners, ON

Please return completed surveys to Prowind Canada Inc.

Address: 226 ½ James St. N., Unit A, Hamilton ON L8R 2L3 **Fax**: 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: _____ 2. Email: _____

3. Mailing Address: _____

4. Would you like to be added the mailing list to receive future updates on the project? YES NO

5. How close to the South Branch Wind Farm do you live? 0-5km 6-10km 11-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

_____

_____

_____

_____

_____

7. Do you have any comments about the South Branch Wind Farm?

_____

_____

_____

_____

_____

This information is collected to help us understand your concerns and improve every aspect of our project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

Welcome to South Branch Wind Farm's Public Information Open House

Prowind Canada Inc. is a Canadian corporation based in Hamilton, Ontario with a mandate to develop and operate wind power generation facilities in Ontario and across Canada.

Prowind Canada is a wholly owned subsidiary of Prowind GmbH (Osnabrück, Germany), a full service company whose core competencies are the planning, financing, construction and operation of power plants driven by renewable energy.

Prowind has strong relationships with the farming community. We believe wind energy and agriculture make great partners.

Company history

Prowind was established in 2000 by dairy farmer and lawyer Johannes Busmann. It has since completed 22 successful wind power projects in Germany for a total of over 114 megawatts (MW) of installed capacity and over 1,200 MW of projects under development around the world.

Canadian presence

Prowind established operations in Canada in 2007 to respond to the growing need for responsible development of large-scale sustainable energy solutions in the Province of Ontario.

Global development projects

"Prowind seeks to develop viable wind farms that produce clean, renewable power in agricultural settings. Our projects are designed to both support and preserve farming operations and to continually provide revenue for rural communities in Canada." (Cathy Weston, President)

Contact information

Prowind Canada Inc.
226 ½ James St. North, Unit A
Hamilton, Ontario L8R 2L3
T: 905.528.1747 F: 866.203.6516

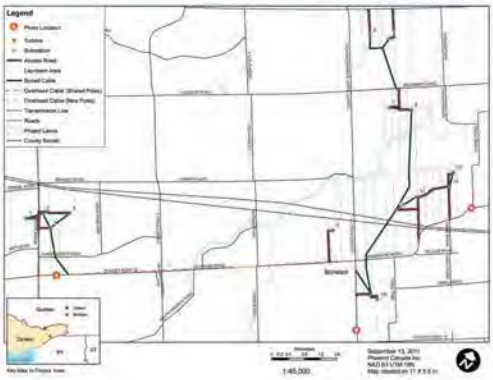
info@prowind.ca
www.prowind.ca

South Branch Wind Farm

The South Branch Wind Farm is proposed as a 30 megawatt (MW) renewable energy generation facility. Once constructed, the facility will be able to produce enough renewable electricity to power approximately 7,500 homes per year.

Project area – 14 turbines maximum

South Branch Wind Farm - photo montage vantage points



Project requirements

- Turbine access roads;
- Switching substation;
- Overhead and underground electrical cabling; and
- Operations and maintenance facility.

Construction stage

Temporary facility will include concrete wash ponds, construction site office and storage sheds.

Economy

Typically, each 100 MW of new wind energy capacity in Ontario creates over 250 jobs per year during the development phase and 18 permanent operations and maintenance jobs, many in rural areas of the province. Nearly $270 million in total private sector investment, including over $20 million in payments to landowners and municipalities will be made over the life of each 100 MW of wind energy capacity.

Local economy

South Branch Wind Farm will create 2-3 permanent jobs and up to 200 during planning, development and construction. These jobs will be locally sourced where possible.

Municipal taxes paid by the wind farm will provide benefits to the community with annual taxes estimated at $70,000.

Community investment

Prowind takes pride in being a responsible local business and community member. In order to give back to the community, Prowind will establish an annual fund of $25,000 for the community, commencing when the wind farm begins operation and lasting throughout the life of the project – a total of approximately $500,000. The community fund will be allocated through a citizens' group to be comprised of residents, business owners and local government who will allow the community to decide how these funds are best distributed.

Join our mailing list!

Keep informed of future milestones for South Branch Wind Farm. Add your name and contact information to the sign-in sheet at the front door.

Project timeline

Milestones reached

May 2007	MET tower erected
March 2008	Environmental monitoring began
January 2009	Initial public open house
April 2010	FIT contract awarded
July 2010	Notice of proposal issued
August 2010	Second public open house
June 2011	Environmental field work completed
July 2011	Draft Renewable Energy Approval (REA) reports published
September 2011	Third public open house

Future milestones*

Fall 2011	Submit Renewable Energy Approval (REA) application
Summer 2012	REA approval
Fall 2012	Detailed design and engineering Building permit and other permits secured
Spring 2013	Construction begins
Fall 2013	Wind farm commissioning

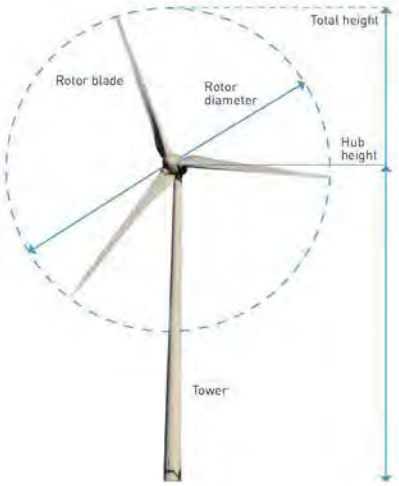
* Best estimates at this time

Technology

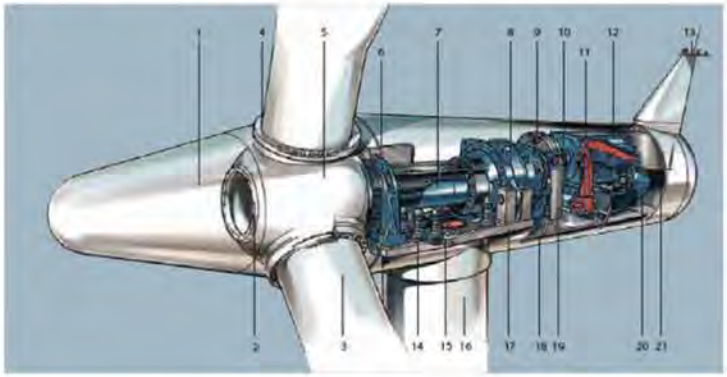
Prowind is in discussions with various turbine manufacturers to determine the best model for the South Branch Wind Farm. The information presented below incorporates the MAXIMUM parameters of any turbine model being considered for the site. The final turbine choice may have smaller features than those listed.

Turbine specifications

Make and model	To be determined
Maximum rated output	2.0 to 3.0 MW per turbine
Tower and blade height	≤ 199 m
Rotor diameter	≤ 118 m
Blade sweep area	≤ 10,930 m²
Range of rotational speeds	5-20 RPM
Approximate foundation diameter	22 m
Maximum quantity required for South Branch project	14



Nacelle arrangement



1 Spinner
2 Spinner bracket
3 Blade
4 Pitch bearing
5 Rotor hub
6 Main bearing
7 Main shaft
8 Gearbox
9 Brake disc
10 Coupling
11 Service crane
12 Generator
13 Meteorological sensors
14 Yaw gear
15 Yaw ring
16 Tower
17 Nacelle bedplate
18 Canopy
19 Oil filter
20 Generator fan
21 Oil cooler

Source: Siemens

How a wind farm works

Wind: Wind is created by the sun through the uneven heating of the earth's surface.

Rotor: When the wind blows past a wind turbine blade, it creates lift and causes the rotor to turn. The blades on the rotor are able to control this lift by changing their angle.

Rotor Shaft: The rotor connects to a shaft that leads inside the nacelle (the box on top of the tower) that connects to a generator.

Generator: Modern generators are controlled by sophisticated electronics to match grid requirements.

Pad Mount Transformer: At the base of each turbine, there is a small transformer that increases the voltage to 34.5 kV.

Collection System: Turbines are joined together by a collection system made up of buried cables in fields and overhead lines along roadsides, allowing electricity to flow from each turbine to the substation.

Substation: The substation is the interface between the wind farm and the electrical grid.

South Branch Wind Farm

Photo montage vantage points - what the wind farm will look like.

Facing northwest from Gilmour Rd, east of Byker Rd

Facing north from Dixon's Corners

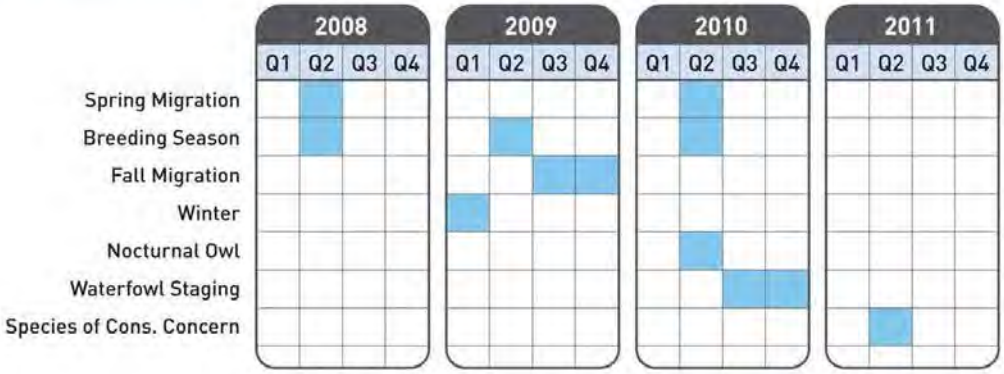
Facing northwest from Henderson & Coons Rd

Birds

Bird surveys at the South Branch Wind Farm

Numerous bird surveys have been conducted at the South Branch Wind Farm site to evaluate the sensitivity of the habitat for bird species. The South Branch Wind Farm is located in a highly active agricultural area, where much of the natural habitat has already been compromised and is of limited value to bird species. There are no national parks, provincial parks, important bird areas or migratory bird sanctuaries within 20 km of the project area.

Survey timeline



Survey results

In general, the following observations were made:

- There is a low diversity of all bird species and low abundance of species of conservation concern.
- The spring and breeding surveys had a higher diversity of species observed in the general project area, but only a few individuals that are less than *Very Common* in Ontario and Canada.
- No owls were observed during the owl survey.
- No waterfowl were observed at the "Waterfowl Staging Area" during fall migration season.
- Low abundance of raptors (birds of prey) were observed during fall migration.

Conclusion

- The South Branch Wind Farm will not pose a significant risk to birds.
- The low diversity and abundance of birds is typical of agricultural areas.
- Post-construction monitoring will be conducted to more accurately assess the impact of the operating wind turbines on bird species in the area.
    - For more details, see information board titled "Post-Construction Monitoring."

Details of each bird survey can be found within the South Branch Wind Farm Renewable Energy Approval, Natural Heritage Assessment Report, Appendix C.

Amphibians

Frog Monitoring

Habitat surveys completed at the South Branch Wind Farm indicated the potential for woodland amphibian breeding habitat. Surveys were conducted in the spring of 2011 by a professional biologist to determine the following:

- The abundance of frogs in the area;
- Type of species found; and
- If their habitat can be considered significant.

Frog surveys consisted of Call Counts conducted at 17 locations throughout the project area. The surveyor stood in each survey location for a minimum of three minutes and noted the species of frogs heard, the approximate number of each species and their approximate location. This survey was conducted twice during the frog breeding season (April to June) to capture species that breed at different times.

Survey results

Only three species were found in the area - American Toad, Spring Peeper and Leopard Frog. Species that were possible but not recorded include Gray Treefrog, Chorus Frog, Wood Frog, Pickerel Frog, Green Frog, Mink Frog and Bull Frog. Survey results indicate low diversity of frogs in the project area.

Conclusion

Frog habitat is protected by avoiding habitat removal during planning of the project. No frogs or frog habitat will be disturbed during the construction of the wind farm.

Salamander Monitoring

Surveys were conducted by a professional biologist to determine the presence and significance of salamander breeding in the area. Salamanders breed in ephemeral pools within woodlands and they live in damp woodlands, under logs and other detritus. Ephemeral pools are seasonal wet areas; depressions within woodlands where water collects during the spring melt.

Survey results

Surveys of these pools within the project area did not reveal any egg masses or salamanders. Logs were overturned in wet wooded areas to attempt to uncover any salamanders, but none were found.

Conclusion

No salamanders or salamander habitat was found in the project area.

Ephemeral pool

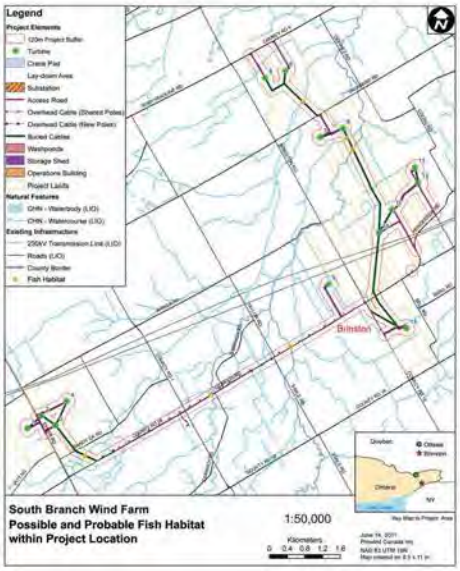
Aquatic habitats

Fish and Fish Habitat

There are several watercourses within the project area that were investigated for potential fish habitat. The South Branch of the South Nation River is located within the project area and intersects with project infrastructure in several locations.

Summary

Watercourses within the project area were assessed for their likelihood of containing fish habitat. It was determined that there are six locations where possible fish habitat and project infrastructure overlap. These locations are outlined on the map below.



At each location of intersection, the proposed infrastructure is electrical cabling - two locations will be overhead cabling and four locations will be buried cabling. The buried electrical cable will be bored underneath the surface water in order to not disrupt fish and fish habitat located within the watercourse.

Where the overhead electrical cabling intersects the watercourses, there will be no direct impact. Existing poles will be upgraded in their current locations, all of which are outside of surface watercourses.

Conclusion

There will be no impact on fish or fish habitat during construction or operation of the wind farm.

Wetlands

There were no wetlands previously identified by the Ministry of Natural Resources in the project area; however, several wetlands were identified within the project area during site investigation.

Summary

The wetlands are generally low wet areas within woodlands and likely ephemeral (temporary) and small in size, ranging from 0.04 ha (0.1 ac) to 3.66 ha (9.0 ac).

Conclusion

None of these wetlands will be directly disturbed during the construction or operation of the wind farm. The habitat and ecological functions they provide will not be altered by the presence of the wind farm.

Details on each wetland can be found in Natural Heritage Assessment Report, Appendix F

Bats

Combination radar/acoustic bat surveys were conducted at the South Branch Wind Farm in the fall of 2009 to determine diversity and abundance of species in the local area. A survey was conducted in both the western (Byker Road) and the eastern (Oak Valley Rd to Henderson Rd) project areas.

These surveys involved radar monitoring to capture flights of bats and birds in a 6.7 km^3 area. Acoustic monitoring was used to differentiate between birds and bats.

Summary of main results

Major findings from bat surveys at South Branch Wind Farm (2009)

	Western	Eastern
Average flight height	132 m (± 39 m)	110 m (± 17 m)
Abundance	Low	Low
Diversity	Low	Low
Species observed	• Big Brown Bat/Silver-haired Bat Complex (52%) • Little Brown Bat (21%) • Hoary Bat (18%) • Eastern Red Bat (9%)	• Big Brown Bat/Silver-haired Bat Complex (52%) • Little Brown Bat (22%) • Hoary Bat (20%) • Eastern Red Bat (6%)
Habitats of concentration	Hedgerows and artificial lighting	Wooded areas and crop areas
Time of greatest risk	Mid-August, one hour after sunset	Early September, one hour after sunset
% of flights within blade sweep zone	15% (± 5%)	30% (± 10%)
Overall Risk	Low	Low

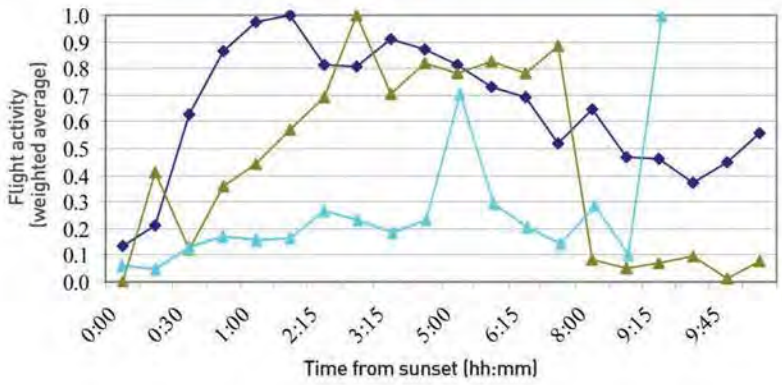
Studies found that in the west, bats were found predominantly near hedgerows and a few near pastures. In the east, there were a few found in various topographic areas, but were observed slightly more often around wooded areas and crops.

Complete results can be found in the Natural Heritage Assessment Report, Appendix D.

Noctural Bird and Bat Flights at South Branch Wind Farm

The line graph depicts the results from the radar survey monitoring flights of birds and bats over the course of the evening and overnight.

The graph shows both the eastern (light blue) and western (green) areas, as well as an area of typical bat activity in southern Ontario (dark blue) for comparison.



Conclusion

- Site investigations did not find any bat roosts where local bat populations would live.
- The project area is not a high density corridor used for migrating bats.
- Bats were found to fly within the blade sweep zone only 15% to 30% of the time.
- Risks to bat populations at the South Branch Wind Farm are low, primarily due to the low abundance of bats in the local area.

Archaeology

Prowind wants to ensure that the South Branch Wind Farm will not disturb any local archaeological heritage. Professional, licensed archaeology consultants are engaged to complete the following monitoring programs.

Stage 1

- Assessments consist of a background history search on the project area, seeking to determine areas of high potential for archaeological importance.
- Preliminary Stage 1 surveys were completed in 2009 by AMICK Consultants Ltd.
- Further Stage 1 studies on expanded project areas were completed by Archaeological Research Associates (ARA) in 2010.

Results

All lands with archaeological potential to be directly impacted by the project warranted a Stage 2 property survey.

Stage 2

- Consultants from ARA conducted the surveys.
- Pedestrian and test-pit (test holes dug out by shovel) studies looking for historical artifacts were completed of all areas impacted by project construction or operation in April – June 2011.
- Pedestrian surveys involve visual inspection of ploughable lands at 5 m transects. These lands must be recently ploughed, weathered and must also present at least 80% visibility of the soil.
- Areas not eligible for pedestrian survey were test-pitted at 5 m intervals. This requires that a 30 cm hole is dug out by shovel and screened through a mesh sieve.

Results

Two locations identified within the surveyed lands that contained artifacts and/or evidence of previous habitation – referred to as findspots.

Findspot 1 – Euro-Canadian artifact scatter broadly dating from mid-nineteenth century to late twentieth century. This findspot did not meet criteria for requiring further work – Stage 3 was not recommended.

Findspot 2 – Remnants of a Euro-Canadian homestead dating from mid-nineteenth to late twentieth century. The archaeologists recommended avoidance of the area. Consequently, turbine 14 and its infrastructure were removed from the project scope, thus removing the need for Stage 3 assessment on these lands.

Ministry of Tourism and Culture (MTC) response and conclusion

MTC reviewed the report and concurred with the survey conclusion. No further archaeological studies are required for this project.

Heritage Assessment

A professional heritage assessment team conducted a survey of homes, buildings and vistas surrounding the project during the summer and fall of 2010. The survey identified Built Heritage (BH) resources or Cultural Heritage Landscapes (CHL) with significant Cultural Heritage Value or Interest (CHVI) and completed impact assessments for each.

Results

- Three Cultural Heritage Landscapes with CHVI were identified (Brinston, Hulbert and Dixon's Corners).
- 19 BH resources with CHVI were identified both within and on property abutting the project site.
- The project will not have negative impacts on the identified BH resources and CHLs.

MTC response and conclusion

MTC reviewed the report and concurred with the survey conclusion. No further heritage assessment studies are required for this project.

Radar and Telecommunications

Radar

Wind turbines pose a unique difficulty for radar stations in North America and the world. This is because turbines are tall structures with moving components; when viewed on a radar screen, it can be difficult to distinguish between turbines and other moving objects in the sky[1].

Radar monitoring efforts near airports and airfields must be carefully examined to ensure the potential for interference is identified and mitigated.

All proposed turbines at South Branch Wind Farm are within line-of-sight of the Ottawa Primary Surveillance Radar[2]. This can increase the possibility of identification of false targets on the radar system.

Conclusion

Nav Canada has granted conditional approval for the project design with the condition that the developer is responsible for all costs associated with technical mitigation measures that may become necessary. No other agencies indicated likelihood of impact on existing systems.

Radio communication

Communication networks may be impacted by the development of a wind farm due to either signals being blocked by or reflected off the turbines[3]. A study was completed to identify any licensed broadcasters in the project area[4]. The study included the following types of radio communication:

- Land Mobile Networks, as registered on Industry Canada's Spectrum Direct;
- Radio and Television Broadcast Stations;
- Cellular Type Networks; and
- Point-To-Point Systems.

Conclusion

The project does not fall within the consultation zones for any of these communication systems – no impacts to these systems are anticipated.

Television and satellite reception

YRH & Associates (Montreal, QC) completed a survey[5] to determine the potential for impacts to reception of TV and satellite signals in the vicinity of the project.

Conclusion

No significant risk of interference to reception of digital or satellite TV signals.

Mitigation

Prowind has proposed a mitigation strategy that will be applied in the unlikely event that degradation in quality of digital signal reception is identified post-construction.

[1] Feasibility of Mitigating the Effects of Windfarms on Primary Radar, ETSU W/14/00623/REP, Alenia Marconi Systems Limited. 2003. http://www.bwea.com/pdf/AWG_Reference/0306%20BERR%20Feasibility%20of%20mitigating%20the%20effects%20of%20wind%20farms%20on%20primary%20radar.pdf

[2] Nav Canada consultation, Appendix E, *South Branch Wind Farm Design & Operations Report*

[3] *Technical Information and Guidelines on the Assessment of the Potential Impact of Wind Turbines on Radio Communication, Radar and Seismoacoustic Systems*, Radio Advisory Board of Canada and Canadian Wind Energy Association, Version 8.0

[4] Appendix E, *South Branch Wind Farm Design & Operations Report*

[5] Appendix D, *South Branch Wind Farm Design & Operations Report*

Construction Activities

There are three main components to construction:

1. Preparation of the land: removal and re-distribution of topsoil, excavation and removal of sub-surface earth;
2. Construction and erection of the wind farm: source local suppliers where possible for construction materials and labour; and
3. Site rehabilitation: restore ecosystem attributes and associated vegetation communities to pre-development conditions. All temporary structures and facilities are removed and the lands are returned to their pre-construction state. Damaged tile drains are repaired and construction debris is removed.

Duration

Construction is expected to take between six and eight months, starting either fall 2012 or spring 2013, depending on weather conditions when all permits for construction have been secured. Load restrictions on municipal roads from March to May will be respected.

Access road construction

Each turbine requires an access road to allow construction traffic and delivery of infrastructure. Access roads will be comprised of pressed gravel and will be built to a width of 6 m for construction and reduced to 5 m after construction is complete. Large delivery trucks must be able to complete wide turns to enter the work site – a temporary turning area with a radius of approximately 43 m is planned for each road entrance. Roads will be maintained through the life of the project.

Buried and overhead electrical cables

Electrical cables buried in fields are placed more than 1 m below the surface to permit farming activities to continue.

Overhead electrical cables will run along Gilmour Road as far as Brinston Road and then south along Brinston Road for approximately 300 m. Where possible, existing poles will be shared – this will likely require upgrades to the hydro poles in order to accommodate the new wires. Hydro One will coordinate upgrades to existing poles.

Substation

The substation contains the control system of the wind farm as well as an electrical transformer to convert the power from 27.6 kilovolt (kV) to 44 kV to match the distribution voltage on the existing power line. The substation will be fenced for security and safety purposes.

Turbine foundation

The foundation is a steel-reinforced concrete base that is poured into prepared ground at the base of the turbine. Up to 102 cement truckloads are required to deliver concrete for each foundation. Foundations will take approximately 13 weeks to prepare, followed by 5 weeks of curing before turbines can be assembled.

Turbine delivery and erection

Turbines arrive in several pieces on flatbed trailer trucks and are delivered directly to the lay-down area around each planned turbine location. Large cranes are used to pull tower pieces into position and to assemble and raise the nacelle and blades into position. As many as three cranes will be used to assemble each turbine.

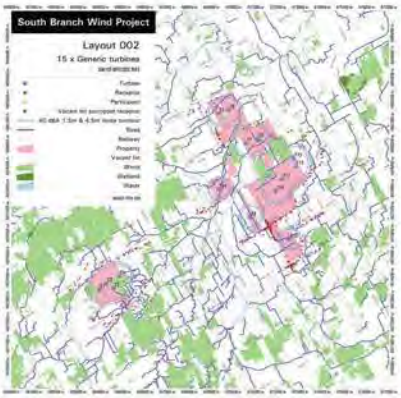
Sound Regulations and Setbacks

Sound regulations

The Ontario Ministry of Environment has established guidelines for sound level limits of wind farms[1]. The Developer must show that the proposed project will not create a noise output of more than 40 A-weighted decibels (dBA) in a 'predictable worst-case scenario' at any non-participating receptor.

What is a receptor?

Receptors or non-participating points of reception at the South Branch Wind Farm are residential dwellings of individuals and families who are not project participants. All receptors marked for this project have been designated as rural and are presented on the site plan diagrams.



What is 40 dBA?

This sound level is similar to that of a running refrigerator or a quiet library.

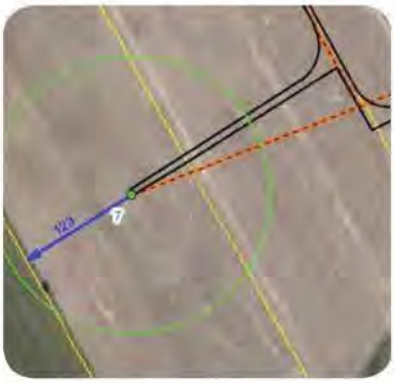
Noise assessment

Zephyr North Ltd. was engaged by Prowind to complete a study of the potential sound output of the proposed South Branch Wind Farm. A maximum sound output of 106.4 dBA was adopted as the maximum output level of any turbine considered for this project. Only turbines with maximum sound output equal to or less than 106.4 dBA are candidate turbines for this project. This ensures the sound output will remain within the regulated limits for all receptors.

Results of the Zephyr North study[2] show sound levels at all receptors are within the acceptable limit.

Setback regulation

Turbines must be situated at least 550 m from homes, although in many cases, the noise regulations have imposed greater restrictions and turbines are further than this minimum distance. The setback site plan shows the distance from turbines to the nearest receptor. All non-participant receptors are beyond this minimum setback.



Turbines must be far enough from property lines for safety of neighbouring residents and businesses. The minimum property line setback is the turbine height (excluding blades). The regulation permits for this minimum setback to be reduced to blade length plus 10 m if it can be shown that the proposed location will not result in adverse impacts on nearby infrastructure, properties or land use activities.

There are five locations at the South Branch Wind Farm where turbines are within the proposed turbine height as described in the Abutting Property Assessment Report - Turbines 4, 7, 9 and 13. All of these occurrences have been assessed and no detrimental impact to the neighbouring properties has been identified. In all cases, the neighbouring land parcels are used for agricultural operations and very minimal risk is presented by the turbines' proximity.

[1] Ontario MOE publications NPC-232 – Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), MOE Noise Guidelines for Wind Farms (October 2008) and in Ontario O.Reg 259/09 and proposed amendments.

[2] Appendix C, South Branch Wind Farm Design and Operations Report

Wind Farm Operation

How much power is produced?

We estimate that on average South Branch Wind Farm will produce a total of over 75,000 megawatt hours (MWh) of clean, renewable electricity in each year of operation.

Who controls the wind farm?

We plan to have an operations and maintenance building near the project area to control the power generated and delivered into the existing electrical power grid.

What are the reasons for temporarily removing a wind farm from the power system?

Several events may require that the wind farm generation be removed from the power system, or taken offline, including regular maintenance, equipment repair, inclement conditions (too much wind or ice), or planned or unplanned issues in the downstream power grid.

Safety Measures

Wind farm operators work with local services groups to identify when responsibility for emergency responses is transferred to a specialized team trained for emergencies occurring above ground level. Local services such as ambulance, police and fire will coordinate efforts with wind farm operators to practice established emergency response and communication plans.

Decommissioning

The feed-in-tariff or FIT contract at South Branch is valid for 20 years from the time of full commercial operation. After 20 years, the wind farm is either decommissioned or re-powered with updated technology under a new power purchase agreement.

When a farm is decommissioned, the goal is to return the land to its pre-construction state. Project infrastructure, including roads, cables, turbines, foundations and substation must be disassembled and removed from the site. To prepare for the removal of equipment, the access roads are widened to 6 m and turning areas are reinstated. Lay-down areas at the base of each turbine are reconstructed. Cranes are brought in to disassemble the turbines and substation and to load transport trucks for removal. Wherever possible, equipment and construction materials such as excess gravel are recycled, sold or given away.

Rehabilitation of project areas is completed and vegetation communities are reinstated where they have been disturbed.

Post-Construction Monitoring

Prowind wants to ensure that the South Branch Wind Farm is meeting its environmental and social expectations by conducting the following monitoring programs.

Birds and bats

Post-construction monitoring will be conducted at the South Branch Wind Farm for a minimum of three years. This monitoring program will survey the area within a 50 m radius around the base of 10 of the 14 proposed turbines. Surveys will be conducted every third day from April to November.

To ensure the accuracy of results, two other survey trials are conducted:

- Searcher Efficiency Trials: test the effectiveness of those conducting the searches; and
- Scavenger Trials: test the likelihood of animals scavenging the birds/bats before they can be found by the surveyor

The results of these trials are recorded and assessed for final impact evaluation.

Each year, after the surveys are complete, a final number is calculated that identifies the impact of the turbines on birds and bats. If the wind farm results in the mortality of more than 10 birds or bats per turbine per year, mitigation measures will need to be instigated. Mitigation measures can include slowing the turbine, increasing the cut-in speed (wind speed at which the turbine starts rotating), or stopping the turbine during times of increased bird and bat traffic.

Water quality

To ensure construction activities do not adversely affect the surface water quality in the area, water quality testing will be conducted on site, before and after the construction period. There is a slight risk of increased sedimentation and contamination from construction activities. Although risk is low, Prowind wants to ensure there are no adverse environmental impacts from the wind farm. Turbidity and hydrocarbons will be tested before construction to establish a base level, and again once construction activities are complete. If levels have increased, a rehabilitation plan will be established with the Ministry of Environment, Ministry of Natural Resources and South Nation Conservation to return water quality to base levels.

Sound and television reception

Website for reporting concerns

Prowind wants to ensure that the wind farm is not unduly impacting the lives of nearby residents. If the wind farm seems to be causing disruption, a website will be available to receive concerns 24 hours a day and a company representative will respond in a timely manner.

Sound

The wind farm is required by law to adhere to the regulated sound limit of 40 A-weighted decibels at all times. Even though sound is modeled prior to construction using very conservative numbers, real life experience is the only true measure.

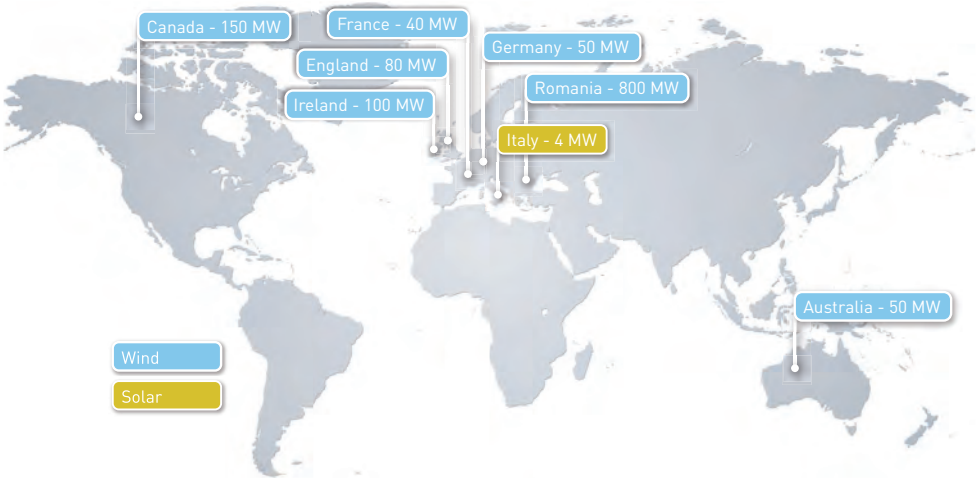
People are invited to send their concerns via the website. They will be responded to by a company representative and reported to the Ministry of the Environment. Mitigation measures will be instigated if sound is found to be exceeding allowable limits.

Television

It is possible that the turbines may interfere with direct television signals received through antennae. Television signals have recently changed from analog to digital; it is expected that digital signals are less prone to interference from wind turbines than analog, but interference is still a possibility. Concerns will be received and addressed via the website.

Prowind

Global development projects



About Prowind

Prowind Canada Inc. is a Canadian corporation based in Hamilton, Ontario with a mandate to develop and operate wind power generation facilities in Ontario and across Canada. Prowind Canada is a wholly owned subsidiary of Prowind GmbH (Osnabrück, Germany). Prowind has successfully developed 22 wind power projects in Germany for a total of over 114 megawatts (MW) of installed capacity. Global expansion includes development in many countries across four continents with over 1,000 MW of wind and solar projects at various stages of development.

Developing for the future

We develop and operate power plants driven by renewable sources. We have over 10 years' experience planning, financing, constructing, building and operating power plants that produce renewable energy. Wind energy is our focus, and we plan to develop and operate wind farms across Canada for years to come.

Development approach

We develop renewable power generation in close consultation with landowners. Our responsible approach to development has gained us a reputation regionally, nationally and internationally as trustworthy and competent.

The construction of a wind farm is not only assembling a group of wind turbines - it is building relationships with the community and the landowners that will last for generations.

Contact Information

Prowind Canada Inc.
226 ½ James St. North, Unit A
Hamilton, Ontario L8R 2L3
T: 905.528.1747 F: 866.203.6516

For media:
Cathy Weston
cweston@prowind.ca
T: 613.894.4656

For all other inquiries:
Rochelle Rumney
rrumney@prowind.ca
T: 905.528.1747

South Branch Wind Farm

The South Branch Wind Farm is proposed as a 30 megawatt (MW) renewable energy generation facility. Once constructed, the facility will be able to produce enough renewable electricity to power approximately 7,500 homes per year.

Project Schedule

Fall 2011	Submit Renewable Energy Approval (REA) application
Summer 2012	REA approval
Fall 2012	Detailed design and engineering Building permit and other permits secured
Spring 2013	Construction begins
Fall 2013	Wind farm commissioning

Turbine Specifications

Make and model	To be determined
Maximum rated output	2.0 to 3.0 MW per turbine
Tower and blade height	≤ 199 m
Rotor diameter	≤ 118 m
Blade sweep area	≤ 10,930 m^2
Range of rotational speeds	5-20 RPM
Approximate foundation diameter	22 m
Maximum quantity required for South Branch project	14

Location

Brinston, Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, theTownship of Edwardsburgh/Cardinal, United Counties of Leeds and Grenville

Capacity

30 megawatts (MW)

Wind turbines

Up to 14 (make and model to be determined)

Power purchase agreement

Ontario Power Authority

Study area

1,413 hectares

Full commercial operation

Fall 2013

Prowind CANADA

SOUTH BRANCH WIND FARM PUBLIC INFORMATION OPEN HOUSE

September 29, 2011 6 pm to 9 pm Matilda Hall, Dixon's Corners, South Dundas

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	Name* (Please print clearly)	Place of Residence (Town/City)	Can we add you to the project mailing list?	E-mail or mailing address* (for mailing list)
1	Sandy Casselman	Morrisburg	☒ Yes ☐ No	[redacted]
2	Brian + Joanne McMahon	Crysler	☒ Yes ☐ No	
3	BILL SLOAN	JOHNSTOWN	☒ Yes ☐ No	
4	John Hunter	Spencerville	☒ Yes ☐ No	
5	PETER BYVELDS	BRINSTON	☐ Yes ☐ No	
6	Mark Simzer	Glen Stewart	☐ Yes ☐ No	
7	Brian Antonich	Toronto	☐ Yes ☐ No	
8	Aron Branam	Toronto	☐ Yes ☐ No	
9	Leslie Dishaw	Brinston	☐ Yes ☐ No	
10	Susan Terry	Brinston	☐ Yes ☐ No	
11	LARRY TERRY	BRINSTON	☐ Yes ☐ No	
12	Steven Byvelds	Iroquois	☐ Yes ☐ No	
13	Lynn Gilmour	Brinston	☐ Yes ☐ No	
14	BILL TIBBEN	BRINSTON	☐ Yes ☐ No	
15	[illegible]	[illegible]	☐ Yes ☐ No	
16	[illegible]	[illegible]	☐ Yes ☐ No	
17	Gerry Morrell	Johnstown	☐ Yes ☐ No	[redacted]
18	Manfred Haebler	Iroquois	☐ Yes ☐ No	
19	Lorne + Francis Henderson	Brinston	☐ Yes ☐ No	[redacted]
20	Bill Harbers	Brinston	☐ Yes ☐ No	

* Personal information collected by Prowind is for **internal office use only** and will not be published or made available to anyone.

Prowind CANADA

SOUTH BRANCH WIND FARM PUBLIC INFORMATION OPEN HOUSE

September 29, 2011 6 pm to 9 pm Matilda Hall, Dixon's Corners, South Dundas

23

	Name* (Please print clearly)	Place of Residence (Town/City)	Can we add you to the project mailing list?	E-mail or mailing address* (for mailing list)
1	DON LEWIS	SOUTH DUNDAS TWSP	☑ Yes ☐ No	[redacted]
2	Rose Wickwire	Brinston	☑ Yes ☐ No	
3	Jim Locke	IROQUOIS	☑ Yes ☐ No	
4	Mike Tibben	Brinston	☑ Yes ☐ No	
5	Mark Tibben	Brinston	☐ Yes ☒ No	
6	Eric Duncan	South Mountain	☐ Yes ☒ No	
7	ED DUNCAN	SOUTH MOUNTAIN	☐ Yes ☒ No	
8	DALE SIMSER	BRINSTON	☑ Yes ☐ No	
9	JIM MCDONELL	WILLIAMSTOWN	☒ Yes ☐ No	[redacted]
10			☐ Yes ☐ No	
11			☐ Yes ☐ No	
12			☐ Yes ☐ No	
13			☐ Yes ☐ No	
14			☐ Yes ☐ No	
15			☐ Yes ☐ No	
16			☐ Yes ☐ No	
17			☐ Yes ☐ No	
18			☐ Yes ☐ No	
19			☐ Yes ☐ No	
20			☐ Yes ☐ No	

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SOUTH BRANCH OPEN HOUSE

QUESTIONS AND ANSWERS FROM COMMUNITY STAKEHOLDERS AT PUBLIC MEETING

Date: September 29, 2011 Time: 6:00p.m. - 9:00p.m. Location: Matilda Hall, Dixon's Corners

Comment	Response
The aerial view map of the project shows two houses on Bell road and there is only one.	Thank you for pointing that out, we will fix that for the final version of the report.
Concerns about noise and sickness with reference to a CBC story about the Shelburne Wind Farm.	There is no evidence in peer reviewed scientific articles to support that wind turbines cause health impacts. The situation in Shelburne is difficult comment on without knowing all the facts. Some reports are indicating that health impacts are due to stress from a personal reaction to the wind turbines and not anything the wind turbine itself is emitting.
Concerns about the bird studies and referenced the wind farm on Wolfe Island as an example. They are concerned about the flocks of birds that sit on the cornfields in the project area.	The wind farm on Wolfe Island is not an appropriate comparison for this location. That wind farm is located on a shoreline that is used a migration pathway for many birds as well. The South Branch Wind Farm is located many kilometers from a shoreline water body and is an agricultural area that has limited natural habitat for bird species. It is not a migration corridor or an important bird area. Many studies have been conducted to determine this. The birds in the cornfields are primarily Canadian Geese and they are not a species of concern and can generally navigate around the turbines.
Concerns about their property values and asked if the developer is going to compensate the locals for the decrease in their property values	Prowind will not compensate for decreased property value. Peer reviewed studies indicate that there is no distinct trend in decreasing house prices near wind farms. Property values are based on so many factors, that it is hard to determine the reason for decreased property value, if it does occur.
One famer who owns horses is concerned about the low frequency noise and how his horses will react to it.	There's no evidence to suggest that livestock are affected by wind turbines. Many livestock live amongst turbines now in Europe and are not impacted negatively by them.
What happens if Prowind goes bankrupt part way through construction? Who is responsible for the cost of dismantling?	Once constructed, the project will be making money, so if Prowind goes bankrupt, another company will take over and manage the wind farm.
Is the concern over birds and bats a real one?	There is some bird mortality from wind turbine and certainly there is a higher risk if placed in sensitive bird areas, but the impact to bird does seem to have been

	overestimated. Wind farms are becoming more sensitively located to avoid major bird mortality numbers. A lot of the emphasis now for permitting is on post-construction monitoring and if it is found that large numbers of bird are being killed, serious mitigation measures will be required.
I'm concerned about impacts on my health and property values	There is no evidence to support either of those claims. Health impacts are not proven and many in Europe have been living with them for decades without concern. Property values similarly, there is no distinct trench toward decreased property value within proximity to wind farms.
I'm a landowner (1 turbine). Will it bring my property value down?	No, the turbine on your land will bring revenue from the land lease payment and will increase the value of your land.
Has there been a change in the access roads? (from a local councilor)	One area has been changed, just off of Snowbird Road where we changed two access road entrances to just one. The access to the turbines will branch off from a common entrance point. The rest of the access roads remain the same from the original submission of the draft REA.
I heard you closed your Kemptville office and moved out west. Does this mean you're pulling out of this area (or in trouble)?	No, it was just an internal office decision due to some staff changes. Our interest in the South Branch Wind Farm and other wind farm proposals in this area are still part of Prowind's future, but there are also projects in Southern Ontario, so the Hamilton office made sense in that way.
What happens if I go to sell my house in 5 years from now and my property value has decreased? Will Prowind compensate me?	Prowind will not compensate you for decreased property value. Peer reviewed studies indicate that there is no distinct trend in decreasing house prices near wind farms. Property values are based on so many factors, that it is hard to determine the reason for decreased property value, if it does occur.
What happens if we develop health issues? Who do we report it to? What if we have to abandon our home? Who will compensate us?	If any problems develop as a result of the wind farm, please contact us. We will have a toll free phone number and a website available where you can file complaints. Alternatively, you can contact the MOE with any complaints. We don't expect that you will have any health problems as a result of the wind farms that will cause you to have to abandon your home. Studies indicate there is nothing emitted from the turbines that could cause health impacts.

South Branch Wind Farm – Public Information Open House

Prowind CANADA

Date: Thursday, September 29, 2011 **Location:** Matilda Hall

Time: 6:00 pm to 9:00 pm 4421 Brinston Rd. (CR 16), Dixon's Corners, ON

Please return completed surveys to Prowind Canada Inc.

Address: 226 ½ James St. N., Unit A, Hamilton ON L8R 2L3 **Fax:** 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? (YES) NO

5. How close to the South Branch Wind Farm do you live? (0-5km) 6-10km 11-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

Information about the Community fund and giving back to the areas directly effected by the project.

7. Do you have any comments about the South Branch Wind Farm?

I have grave concerns about the land value/property value being effected, not to mention the loss of picturesque views. We live in a rural area because we want to live with nature, not have to be faced with looking at a piece of metal everyday. It's a hardcore where is my right to keep my quality of life.

This information is collected to help us understand your concerns and improve every aspect of our project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

South Branch Windfarm - Public information Open House
Date: Thursdau September29 2011 Location: Matilda Hall
Time : 6:00 pm to 9:00 pm 4421 Brinston Rd (cr16) dixon's Corners ON

Please return completed surveys to Prowind Canada Inc.
Address: 226 1/2 James St.N unit A Hamilton ON L8R 2L3
fax:866-203-6516 e-mail:info@prowind.ca

1:Name [redacted] 2:e-mail: [redacted]
3: Mailing address: [redacted]
4:Woulkd I like to be added to the mailing list to receive future updates on the projest?
Yes
5: How close to the South Branch wind farm do you live? We live 0-5km
6: Would you like any additional information (studies, reports, handouts etc) sent to you ?
If yes on what topics ?
I wish to get all the studies on the health issues that have been reported on from the wind mills and the civil cases pending, and the status of any injunction awarded by the court, to make sure all issues have been resolved? I also would like to see the reports where we have seen property values affected by the installations of these wind mills and the case of where the communities have sued the property owner for leasing his land to the projects. I also would like to see the engineering reports as to how these 600ft high windmills will be anchored to the soil and how it will affect the water table as we have a very high table here and is easily contaminated. Also the costs of having to be able to service these in event of fire or other emergency. The services to do this are not what the community should bear at all. I am not willing to have these project here as I live less then a 3 thousand ft from these and am in the direct line of them as the wind mostly blows from these directly on to my home. This then means I am probably one of the 10 most affected by these windmills. What guarantee that I will not suffer any health issues or costs in any way, whether it be property value or uncovered health issues? I am not wishing for this project to move forward and am with our community to oppose this. But the land owner will be sued for many of the things I have said and so would your company. Before you go ahead I would say that you should look at buying out all those who would be with in the 1.5 km of this project.

From: Rochelle Rumney [mailto:rrumney@prowind.ca]
Sent: October 24, 2011 8:55 AM
To: [redacted]
Subject: Survey from public meeting

Hi [redacted]

Thank you for filling in a comment sheet from the recent South Branch Wind Farm open house. We appreciate your feedback and are happy to send you some recent studies. I've added you to the mailing list and you'll receive all future updates on the project.

I'll address each of the topics you've inquired about separately.

Health Concerns

The most recent paper to come out on this topic is titled "Health effects and wind turbines: A literature review"; I have attached it to this email for you. This report concludes that reported health impacts from people living near wind turbines have more to do with their attitude toward wind turbines, than physiological effects. Impacts felt by individuals living near turbines are more often health impacts from anxiety and stress from a negative attitude toward wind farms than a direct impact from the turbine itself.

"...wind turbine annoyance and some reported health effects (e.g., sleep disturbance) have been statistically associated with wind turbine noise especially when found at sound pressure levels greater than 40 db(A), but found to be more strongly related to subjective factors like visual impact, attitude to wind turbines in general and sensitivity to noise."

This report references an important study that measured infrasound in Alberta homes that were within 600 m of wind turbines and determines:

"... that results of their study suggest that there should be no adverse public health effects from infrasound or low frequency noise at distances greater than 305 meters from the two wind turbine types measured."

Any new wind farm built in Ontario is required to be below a 40 dbA sound level at nearby homes and at least 550 m (1,804 ft) away.

Court Cases

Earlier this year, a private citizen took the Ministry of Energy's Green Energy Act to court over the 550-metre setback, claiming that they did not use the precautionary principle for determining a setback distance. The Ontario Divisional Court dismissed this case and stated that the setback was passed with authority and was not unconstitutional.

In February 2011 a wind farm renewable energy approval was taken to the Environmental Review Tribunal stating that the project would pose serious harm to human or environmental health. The ERT's decision came in July and stated that the case did not conclusively prove serious harm to human or environmental health and was dismissed.

Neither Prowind nor CanWEA is aware of any court cases in which the property owner has been sued for leasing land to the project developer.

Property Value

The most recent and local study that has been prepared regarding property value is from Chatham-Kent in 2010. This study does not find any conclusive support for the claim that wind turbines reduce property value of homes within the viewshed of the turbine. This report is attached.

Additionally, a large, multi-state study in the US conducted in 2009, that is recognized in the industry as the most thorough, concludes:

"Based on the data and analysis presented in this report, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual or small numbers of homes have been or could be negatively impacted, if these impacts do exist, they are either too small and/or too infrequent to result in any widespread and consistent statistically observable impact."

This study was written by Ben Hoen et al. and can be accessed here: http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf.

One final study conducted in the United States in 2010 concludes that property value dropped in the area around a proposed wind farm before it was constructed and rebounded once the wind farm was built. This supports the "wind farm area stigma theory" meaning the property values diminish due to fear of the unknown and then rebound once fears are allayed by actual experience. This study is attached.

Foundation design and effects on water table

The engineered designs for the foundations of the turbines have not yet been drawn up. This will require detailed soil analysis that will not be conducted until permitting has been secured and we are closer to the construction date.

The foundation construction process does not pose any more risk of contamination than that of a house foundation. Typical foundations for wind turbines are constructed of a wire rebar frame filled with poured concrete. They are 20 – 22 m in diameter (depending on soil conditions and buoyancy forces) and 3 m deep. The turbines will all be located outside of the floodplain surrounding the South Nation River as required by South Nation Conservation.

The foundation design will be signed and stamped by a professional engineer and reviewed by the Township as part of the building permit process.

Further details on foundation design will be posted in the Construction Plan Report in Renewable Energy Approval package that will be posted online in the upcoming weeks. Now that you are on our mailing list you will receive notification when these documents are available.

Emergency Services

Due the highly specialized nature of wind turbines, local emergency services are not responsible for any emergency event taking place “up-tower”. The trained Operations and Maintenance staff are qualified and prepared to deal with emergency situations and these costs are borne by the developer. Local emergency services will be responsible up to a point on the ground that is agreed upon in advance of wind farm construction.

An Emergency Response Plan is outlined in the Design and Operations Report that is part of the Renewable Energy Approval package. This will be available in the upcoming weeks for your review as mentioned above.

Thanks again for your comments and questions. I hope I have addressed everything adequately, but if not, please do not hesitate to contact me using the contact info below.

Sincerely,

Rochelle Rumney

Attachments:

USA-2010-Hinman-Wind-Farm-Proximity-and-Property-Values.pdf
Chatham Kent Property Value Study 2010.pdf
Health effects and wind turbines 2011 09 14.pdf

From: Rochelle Rumney [mailto:rrumney@prowind.ca]
Sent: October 27, 2011 9:58 AM
To: [redacted]
Subject: Information Requested at South Branch Wind Farm public meeting

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Hello [redacted]

Thank you for your comments and attendance at the recent South Branch Wind Farm open house.

Community Contributions
You requested some additional information on the community fund and how else the South Branch Wind Farm will give back to community.

The community investment fund will be managed by a committee made up of local community members, including local residents, business owners, municipal government, etc. This community fund consists of $25,000 each year the wind farm is in operation, which is contracted to be 20 years. Over the lifetime of the project, the South Branch Wind Farm will contribute $500,000 to the local community.

A charter and/or committee guidelines have not yet been established, but will be formalized prior to commercial operation of the wind farm. Interested participants may have to apply or be elected to the position (depending on number of people interested in participating) to ensure that the committee is made up of a representative selection of people that appropriately represents the interests of the community.

The committee's responsibility would be to identify and prepare a proposal for these funds each year. The proposal could include any initiative the community feels is appropriate. We have heard that the local baseball diamond is closed because it doesn't have insurance – this is maybe something that can be purchased with this fund. Maybe the local church needs a new roof or the community centre needs upgrades. The money should go towards something that benefits the whole community, not just a select few individuals, that is our only stipulation. If you are interested in applying to be on the committee, please let me know and I'll add your name to the list.

In addition to the community fund, the South Branch Wind Farm will contribute tens of thousands of dollars to the local tax base, contributing to roads, emergency services, and all other services that taxes make possible. The construction of the wind farm will also bring hundreds of jobs, locally sourced where possible and 2-3 permanent jobs for the operation and maintenance of the wind farm.

Property Value
As to your comments regarding property value, I have attached a couple of studies and referenced one additional study for your review.

The most recent, local study that has been prepared regarding property value is from Chatham-Kent in 2010. This study does not find any conclusive support for the claim that wind turbines reduce property value of homes within the viewshed of the turbine.

Another study conducted in the United States in 2010 concludes that property value dropped in the area around a proposed wind farm before it was constructed and rebounded once the wind farm was built. This supports the "*wind farm area stigma theory"* meaning the property values diminish due to fear of the unknown and then rebound once fears are allayed by actual experience.

Additionally, a large, multi-state study in the US conducted in 2009, that is recognized in the industry as the most thorough, concludes:

"Based on the data and analysis presented in this report, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual or small numbers of homes have been or could be negatively impacted, if these impacts do exist, they are either too small and/or too infrequent to result in any widespread and consistent statistically observable impact."

This study was written by Ben Hoen et al. and can be accessed here - http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf.

I hope this information has been helpful. If you require any additional information or have additional comments, please don't hesitate to contact me.

We have added you to our mailing list and you will be informed of project updates and upcoming meetings when that information is released. We will be announcing the dated and locations of additional open houses shortly.

Thanks again for your comments and interest in the South Branch Wind Farm.

Take care,

Rochelle Rumney

Attachments:
USA-2010-Hinman-Wind-Farm-Proximity-and-Property-Values.pdf
Chatham Kent Property Value Study 2010.pdf

APPENDIX E

NOTICE OF PUBLIC MEETINGS

APPENDIX E: NOTICE OF PUBLIC MEETINGS

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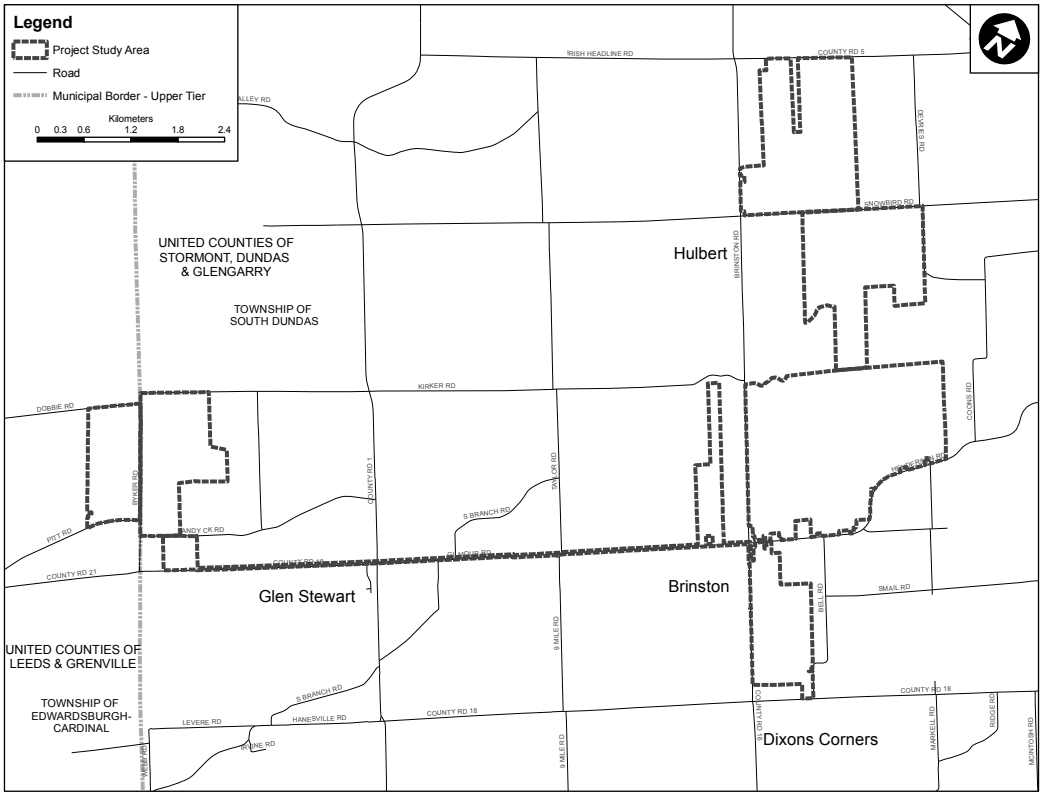

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Fax: 866-203-6516
Email: info@prowind.ca
Web: www.prowind.ca

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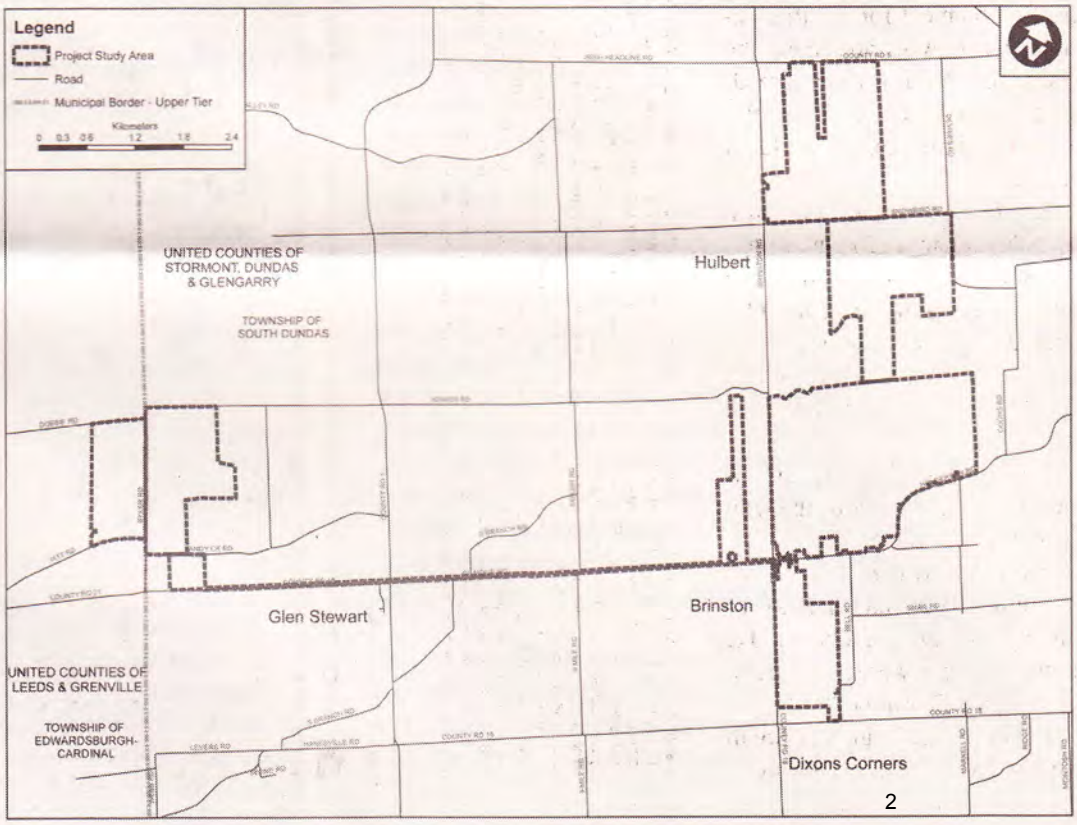

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Web: www.prowind.ca

Get to know… Christine Sloan

Each month the Prescott Journal will be sending local officials and community leaders a list of 12 questions in an effort to help you, the readers, get to know them better. We will ask about their personal heroes, their greatest fear sand what qualities they look for in a friend. Here is what SGDHS's art teacher Christine Sloan had to say:

1. Do you have a motto? And if you do, what is it?

It would be "Love life". In the last two years that has been my motto, and it's what I've been trying to do.

2. What book are you currently reading or what book do you recommend?

I'm currently reading December 8, 1980: The Day John Lennon Died by Keith Elliot Greenberg. I recommend One Day by David Nicholls, it was an awesome book and I really enjoyed it. I cried a lot at the movie adaptation.

3. What characteristic do you most admire in others?

Compassion and humour. Anybody that can make me smile and laugh, and compassion - people that share things I'm interested in and are passionate about something that they really want to do in life. I really admire that.

4. What characteristic do you most deplore in others?

I would say neediness. Being a high school teacher, some days can be challenging because students really need me a lot of the time to draw things for them and things like that, and I'm trying to teach them how to be independent, especially independent as artists.

5. What do you consider to be your greatest achievement(s)?

My career, my marriage and my kids. What I've done in my life personally, like running a half-marathon and completing multiple triathlons and traveling where I've wanted to travel.

6. What qualities do you most value in a friend?

Somebody that can just listen and give me advice when I need it, someone that can be there for me.

7. If you could change one thing about yourself, what would it be?

Honestly, I'm very happy in my life but I do wish that I could be a full-time artist. That will happen eventually, right now I can't support my family doing that and so teaching art to students is very rewarding in the meantime.

8. What talent would you most like to have?

There's not much I haven't done because I'm stubborn and try everything, but I wish that I could play guitar better. I like to sing, so I'd like to be able to play guitar well to go with it.

9. Who is your favorite hero of fiction?

Edward Cullen. I know, I know, but he is the all-around male, the perfect man of my dreams, so I have to say him.

10. Who are your heroes in real life?

Pablo Picasso. He created childlike images and eventually people started liking it. He was a painter, he was a sculptor, and he was a trained artist, but he decided to go against the art world and did what he wanted to do and I admire that. Also Tim Burton, lately he has really inspired me, and my personal art.

11. What is your greatest fear?

Spiders. I'm terrified of them. But more than that would be not living my life to its fullest potential and doing exactly what I want to do, without regrets.

12. What is your most treasured possession?

My grandmother's rosary. When she passed away, they asked me if I wanted one thing out of her whole house and that's what I chose. She was really religious and I admired that she was so passionate about it. I used it in my wedding bouquet and it still hangs in my house as a reminder of her.

Wellington Rebekah Lodge celebrates 100 years next Saturday

Wellington Rebekah Lodge will celebrate its 100th anniversary on Saturday, Nov. 19 at the Lodge's Friendship Centre, located at 454 Henry Street West in Prescott. There will be a social hour from 12-1. Dinner will be served at 1p.m. Entertainment will be provided by Dominic D'Arcy, the Singing Policeman from Ottawa. Dinner will be catered by the Order of the Eastern Star.

Tickets for the event are $20 in advance and must be purchased by Friday, November 12th. For more information please contact Sheila Toshack at 613. 925.4367

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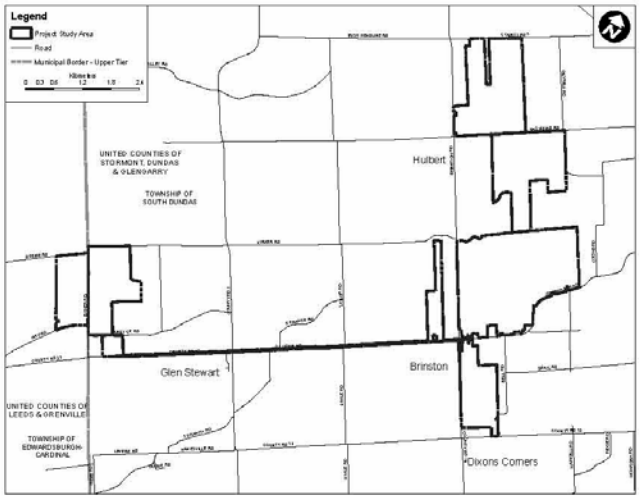

Veterans, Legionnaires gather to remember

EMMA JACKSON
emma.jackson@metroland.com

About 20 veterans, Legion members and Legion supporters gathered at St. James Anglican church on Sunday, Nov. 6 for the Kemptville Legion's annual Remembrance Day service.

Each year the Legion holds a special service in one of Kemptville's churches, rotating to a different congregation each year. Legion president Joanne Dudka said the day while not an official Remembrance Day ceremony, helps remind people in the community to recall during Remembrance week those who gave their lives for Canada.

"Those that have died, whether in war or as police and firefighters, it's up to us to remember them," said Dudka, who served five years in the air force in the 1980s before working on base as a civilian. "I'm sure if any of those soldiers or police officers or firefighters knew that they were going to die that day, they would still do it. They would be out there defending our country, protecting our citizens."

Dudka noted that they haven't had to work as hard in the past few years to remind people to honour Canada's veterans and fallen soldiers – that remembrance and respect for those that have died is alive and well.

"I've never seen so many poppies. I've never seen so much remembrance, and I believe it's because of (the mission in) Afghanistan that people are reminded to remember," she said.

Veterans young and old mingled outside the church on Clothier Street before the service began with a "colour party," where Legion members carried various ceremonial and symbolic flags into the church for display during the service.

A member of the youth congregation read John McCrae's famous poem "In Flanders Fields" as well as a poem written by her great-aunt about the brother she lost in the First World War.

Two navy veterans, a full 20 years apart in age, have become longtime friends through the Kemptville Legion after serving on the same ship, the HMCS Assiniboine, although at different times.

New Brunswick native Dr. George Fisher, 94, served on the Assiniboine for three and a half years during the Second World War before becoming a veterinarian and settling in Kemptville more than 40 years ago. Ed Chajkowski, a 74-year-old Montrealer, retired from the same ship after 35 years of service in the navy. He has lived in Kemptville for 36 years.

Remembrance Day ceremonies will take place across the region on Thursday, Nov. 11 at various times. Visit www.yourottawaregion.com for complete listings.

Emma Jackson Photo

Flag bearers in the Kemptville Legion colour party enter St. James Anglican Church on Sunday, Nov. 6 to start the Legion's annual Remembrance Day church service. Legion president Joanne Dudka said the annual service, which takes place in a different Kemptville church each year, is a way to remind residents to remember those who have died for their country on Nov. 11.

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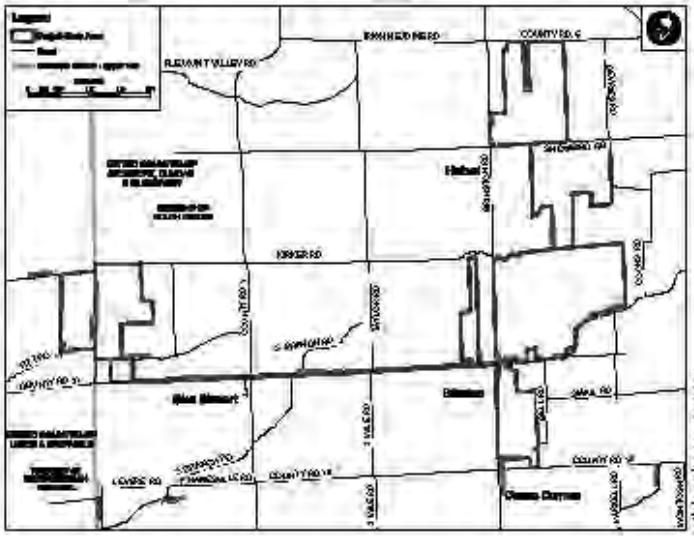

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Email: info@prowind.ca
Web: www.prowind.ca

• Sat. & Sun. Nov. 12 & 13: Akwesasne Homemakers Shopping Enchantment. Sat. 10-5pm
•Thurs. Nov. 17: Diva Shop Night: A Karihwanoron Fundraiser – on site shopping. 6:30-9:30 in the Basement of The Batting Cage (the bottom of Blind Ladied Hill) in Kahnawake.

CONCERTS:
•Fri. Nov. 11: VETERANS DAY CONCERT, Emmanuel Congregational United Church of Christ, 39 W. Orvis St., Massena, 7 p.m.; performers: James Phillips, Mohawk Singers from Akwesasne, the Adirondack Harmony Company barbershop quartet; free, donations to benefit Wounded Warriors Project welcome.
• Sun. Nov. 13: NEW YORK PHILHARMONIC PRINCIPAL BRASS QUINTET, Community Performance Series McElheran Visiting Artists, Hosmer Hall, SUNY Potsdam, 7:30 p.m.; pre-concert lecture by Dr. Charles Guy at 6:30 p.m.; tickets range from $12 to $40; tickets:www.cpspotsdam.org, 267-2277, CPS Box Office in lobby of the Snell Music Theater, or at Northern Music & Video in downtown Potsdam.
• Sun. Nov. 13: 'O CANADA,' concert featuring music composed and arranged by contemporary Canadian artists, St. Lawrence

Cornwall 613-930-9300 www.cornwallcolts.com

SOUTH BRANCH WIND FARM PUBLIC MEETING

SUMMARY OF DISTRIBUTION OF NOTICES OF PUBLIC MEETINGS

Nov 7, 2011 - Notice, letter, summaries of reports, electronic versions of reports mailed to First Nations Stakeholders

Nov 8, 2011 - Draft REA reports posted on website

Nov 8, 2011 - Hard copies of Draft REAs delivered to:

Township of South Dundas 4296 County Rd. 31/Bank St. Williamsburg, ON K0C 2H0	Township of Edwardsburgh/Cardinal 18 Centre St. Spencerville, ON K0E 1X0

Nov 9, 2011 - Delivered to local area via Canada Post

Nov 9, 2011 - Emailed Notice to First Nations agency and community stakeholder list

Nov 9, 2011 - Published in local paper Morrisburg Leader

Nov 9, 2011 - Published in local paper, Prescott Journal

Nov 10, 201 - Published in local paper, Kemptville Advance

Nov 10, 2011 - Published in First Nations paper Indian Time

Jan 4, 2011 - Reminder ad emailed to First Nations, Agency and Community stakeholders list

Jan 4, 2011 - Reminder ad published in local paper Prescott Journal

Jan 5, 2011 - Reminder ad published in local paper Morrisburg Leader

Jan 10, 2011 - Reminder email sent out to First Nations, Agency and Community stakeholders list

APPENDIX E1

RESULTS OF INITIAL PUBLIC MEETING IN EDWARDSBURGH/CARDINAL

Welcome to South Branch Wind Farm's Public Information Open House

Prowind Canada Inc. is a Canadian corporation based in Hamilton, Ontario with a mandate to develop and operate wind power generation facilities in Ontario and across Canada.

Prowind Canada is a wholly owned subsidiary of Prowind GmbH (Osnabrück, Germany), a full service company whose core competencies are the planning, financing, construction and operation of power plants driven by renewable energy.

Prowind has strong relationships with the farming community. We believe wind energy and agriculture make great partners.

Company history

Prowind was established in 2000 by dairy farmer and lawyer Johannes Busmann. It has since completed 22 successful wind power projects in Germany for a total of over 114 megawatts (MW) of installed capacity and over 1,200 MW of projects under development around the world.

Canadian presence

Prowind established operations in Canada in 2007 to respond to the growing need for responsible development of large-scale sustainable energy solutions in the Province of Ontario.

Global development projects

"Prowind seeks to develop viable wind farms that produce clean, renewable power in agricultural settings. Our projects are designed to both support and preserve farming operations and to continually provide revenue for rural communities in Canada." (Cathy Weston, President)

Contact information

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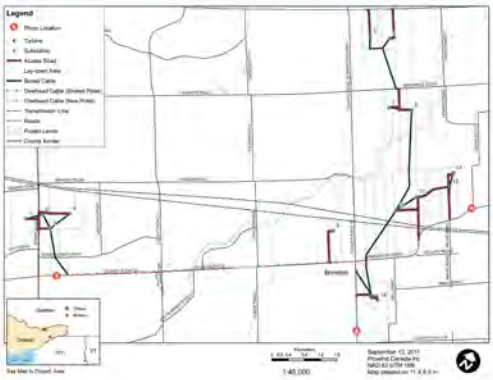
South Branch Wind Farm

The South Branch Wind Farm is proposed as a 30 megawatt (MW) renewable energy generation facility. Once constructed, the facility will be able to produce enough renewable electricity to power approximately 7,500 homes per year.

Project area – 14 turbines maximum

South Branch Wind Farm - photo montage vantage points



Project requirements

- Turbine access roads;
- Switching substation;
- Overhead and underground electrical cabling; and
- Operations and maintenance facility.

Construction stage

Temporary facility will include concrete wash ponds, construction site office and storage sheds.

Economy

Typically, each 100 MW of new wind energy capacity in Ontario creates over 250 jobs per year during the development phase and 18 permanent operations and maintenance jobs, many in rural areas of the province. Nearly $270 million in total private sector investment, including over $20 million in payments to landowners and municipalities will be made over the life of each 100 MW of wind energy capacity.

Local economy

South Branch Wind Farm will create 2-3 permanent jobs and up to 200 during planning, development and construction. These jobs will be locally sourced where possible.

Municipal taxes paid by the wind farm will provide benefits to the community with annual taxes estimated at $70,000.

Community investment

Prowind takes pride in being a responsible local business and community member. In order to give back to the community, Prowind will establish an annual fund of $25,000 for the community, commencing when the wind farm begins operation and lasting throughout the life of the project – a total of approximately $500,000. The community fund will be allocated through a citizens' group to be comprised of residents, business owners and local government who will allow the community to decide how these funds are best distributed.

Join our mailing list!

Keep informed of future milestones for South Branch Wind Farm. Add your name and contact information to the sign-in sheet at the front door.

Project timeline

Milestones reached

May 2007	MET tower erected
March 2008	Environmental monitoring began
January 2009	Initial public open house
April 2010	FIT contract awarded
July 2010	Notice of proposal issued
August 2010	Second public open house
June 2011	Environmental field work completed
July 2011	Draft Renewable Energy Approval (REA) reports published
September 2011	Third public open house

Future milestones*

Fall 2011	Submit Renewable Energy Approval (REA) application
Summer 2012	REA approval
Fall 2012	Detailed design and engineering Building permit and other permits secured
Spring 2013	Construction begins
Fall 2013	Wind farm commissioning

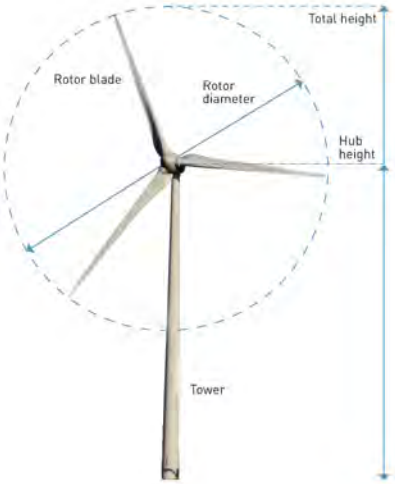
* Best estimates at this time

Technology

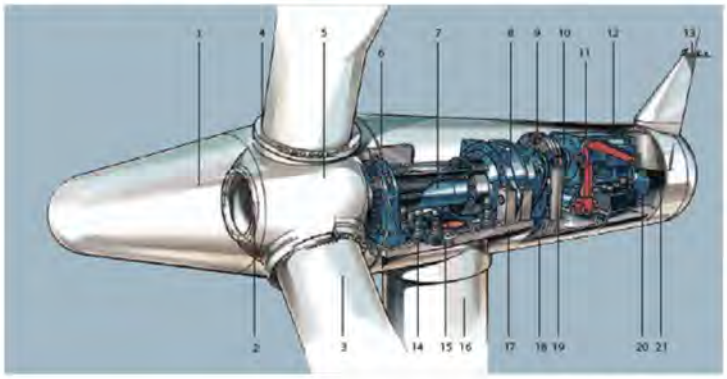
Prowind is in discussions with various turbine manufacturers to determine the best model for the South Branch Wind Farm. The information presented below incorporates the MAXIMUM parameters of any turbine model being considered for the site. The final turbine choice may have smaller features than those listed.

Turbine specifications

Make and model	To be determined
Maximum rated output	2.0 to 3.0 MW per turbine
Tower and blade height	≤ 199 m
Rotor diameter	≤ 118 m
Blade sweep area	≤ 10,930 m²
Range of rotational speeds	5-20 RPM
Approximate foundation diameter	22 m
Maximum quantity required for South Branch project	14



Nacelle arrangement



1 Spinner
2 Spinner bracket
3 Blade
4 Pitch bearing
5 Rotor hub
6 Main bearing
7 Main shaft
8 Gearbox
9 Brake disc
10 Coupling
11 Service crane
12 Generator
13 Meteorological sensors
14 Yaw gear
15 Yaw ring
16 Tower
17 Nacelle bedplate
18 Canopy
19 Oil filter
20 Generator fan
21 Oil cooler

Source: Siemens

How a wind farm works

Wind: Wind is created by the sun through the uneven heating of the earth's surface.

Rotor: When the wind blows past a wind turbine blade, it creates lift and causes the rotor to turn. The blades on the rotor are able to control this lift by changing their angle.

Rotor Shaft: The rotor connects to a shaft that leads inside the nacelle (the box on top of the tower) that connects to a generator.

Generator: Modern generators are controlled by sophisticated electronics to match grid requirements.

Pad Mount Transformer: At the base of each turbine, there is a small transformer that increases the voltage to 34.5 kV.

Collection System: Turbines are joined together by a collection system made up of buried cables in fields and overhead lines along roadsides, allowing electricity to flow from each turbine to the substation.

Substation: The substation is the interface between the wind farm and the electrical grid.

South Branch Wind Farm

Photo montage vantage points - what the wind farm will look like.

Facing northwest from Gilmour Rd, east of Byker Rd

Facing north from Dixon's Corners

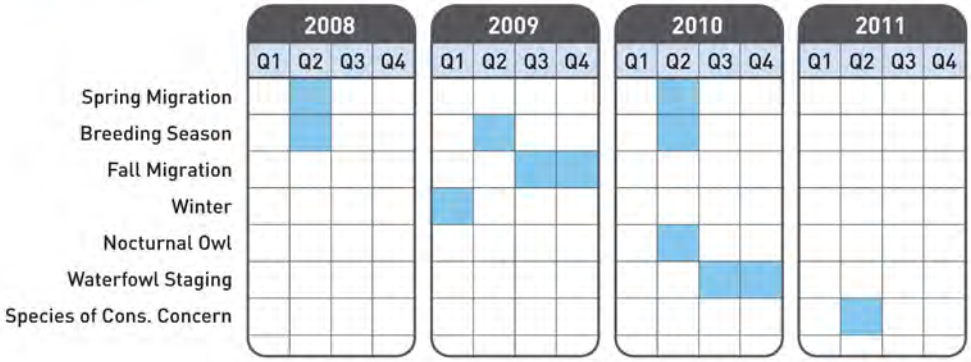
Facing northwest from Henderson & Coons Rd

Birds

Bird surveys at the South Branch Wind Farm

Numerous bird surveys have been conducted at the South Branch Wind Farm site to evaluate the sensitivity of the habitat for bird species. The South Branch Wind Farm is located in a highly active agricultural area, where much of the natural habitat has already been compromised and is of limited value to bird species. There are no national parks, provincial parks, important bird areas or migratory bird sanctuaries within 20 km of the project area.

Survey timeline



Survey results

In general, the following observations were made:

- There is a low diversity of all bird species and low abundance of species of conservation concern.
- The spring and breeding surveys had a higher diversity of species observed in the general project area, but only a few individuals that are less than *Very Common* in Ontario and Canada.
- No owls were observed during the owl survey.
- No waterfowl were observed at the "Waterfowl Staging Area" during fall migration season.
- Low abundance of raptors (birds of prey) were observed during fall migration.

Conclusion

- The South Branch Wind Farm will not pose a significant risk to birds.
- The low diversity and abundance of birds is typical of agricultural areas.
- Post-construction monitoring will be conducted to more accurately assess the impact of the operating wind turbines on bird species in the area.
    - For more details, see information board titled "Post-Construction Monitoring."

Details of each bird survey can be found within the South Branch Wind Farm Renewable Energy Approval, Natural Heritage Assessment Report, Appendix C.

Amphibians

Frog Monitoring

Habitat surveys completed at the South Branch Wind Farm indicated the potential for woodland amphibian breeding habitat. Surveys were conducted in the spring of 2011 by a professional biologist to determine the following:

- The abundance of frogs in the area;
- Type of species found; and
- If their habitat can be considered significant.

Frog surveys consisted of Call Counts conducted at 17 locations throughout the project area. The surveyor stood in each survey location for a minimum of three minutes and noted the species of frogs heard, the approximate number of each species and their approximate location. This survey was conducted twice during the frog breeding season (April to June) to capture species that breed at different times.

Survey results

Only three species were found in the area - American Toad, Spring Peeper and Leopard Frog. Species that were possible but not recorded include Gray Treefrog, Chorus Frog, Wood Frog, Pickerel Frog, Green Frog, Mink Frog and Bull Frog. Survey results indicate low diversity of frogs in the project area.

Conclusion

Frog habitat is protected by avoiding habitat removal during planning of the project. No frogs or frog habitat will be disturbed during the construction of the wind farm.

Salamander Monitoring

Surveys were conducted by a professional biologist to determine the presence and significance of salamander breeding in the area. Salamanders breed in ephemeral pools within woodlands and they live in damp woodlands, under logs and other detritus. Ephemeral pools are seasonal wet areas; depressions within woodlands where water collects during the spring melt.

Survey results

Surveys of these pools within the project area did not reveal any egg masses or salamanders. Logs were overturned in wet wooded areas to attempt to uncover any salamanders, but none were found.

Conclusion

No salamanders or salamander habitat was found in the project area.

Ephemeral pool

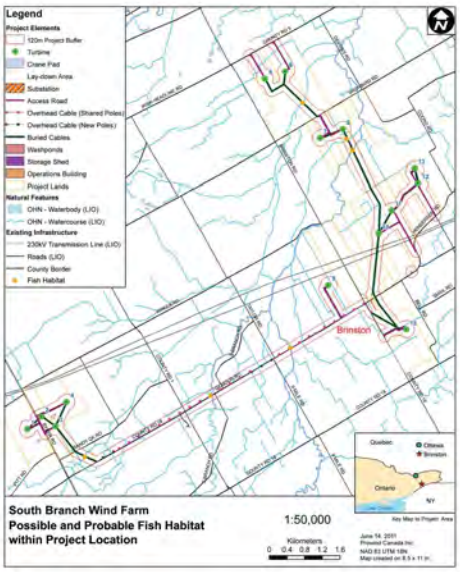
Aquatic habitats

Fish and Fish Habitat

There are several watercourses within the project area that were investigated for potential fish habitat. The South Branch of the South Nation River is located within the project area and intersects with project infrastructure in several locations.

Summary

Watercourses within the project area were assessed for their likelihood of containing fish habitat. It was determined that there are six locations where possible fish habitat and project infrastructure overlap. These locations are outlined on the map below.



At each location of intersection, the proposed infrastructure is electrical cabling - two locations will be overhead cabling and four locations will be buried cabling. The buried electrical cable will be bored underneath the surface water in order to not disrupt fish and fish habitat located within the watercourse.

Where the overhead electrical cabling intersects the watercourses, there will be no direct impact. Existing poles will be upgraded in their current locations, all of which are outside of surface watercourses.

Conclusion

There will be no impact on fish or fish habitat during construction or operation of the wind farm.

Wetlands

There were no wetlands previously identified by the Ministry of Natural Resources in the project area; however, several wetlands were identified within the project area during site investigation.

Summary

The wetlands are generally low wet areas within woodlands and likely ephemeral (temporary) and small in size, ranging from 0.04 ha (0.1 ac) to 3.66 ha (9.0 ac).

Conclusion

None of these wetlands will be directly disturbed during the construction or operation of the wind farm. The habitat and ecological functions they provide will not be altered by the presence of the wind farm.

Details on each wetland can be found in Natural Heritage Assessment Report, Appendix F

Bats

Combination radar/acoustic bat surveys were conducted at the South Branch Wind Farm in the fall of 2009 to determine diversity and abundance of species in the local area. A survey was conducted in both the western (Byker Road) and the eastern (Oak Valley Rd to Henderson Rd) project areas.

These surveys involved radar monitoring to capture flights of bats and birds in a 6.7 km^3 area. Acoustic monitoring was used to differentiate between birds and bats.

Summary of main results

Major findings from bat surveys at South Branch Wind Farm (2009)

	Western	Eastern
Average flight height	132 m (± 39 m)	110 m (± 17 m)
Abundance	Low	Low
Diversity	Low	Low
Species observed	• Big Brown Bat/Silver-haired Bat Complex (52%) • Little Brown Bat (21%) • Hoary Bat (18%) • Eastern Red Bat (9%)	• Big Brown Bat/Silver-haired Bat Complex (52%) • Little Brown Bat (22%) • Hoary Bat (20%) • Eastern Red Bat (6%)
Habitats of concentration	Hedgerows and artificial lighting	Wooded areas and crop areas
Time of greatest risk	Mid-August, one hour after sunset	Early September, one hour after sunset
% of flights within blade sweep zone	15% (± 5%)	30% (± 10%)
Overall Risk	Low	Low

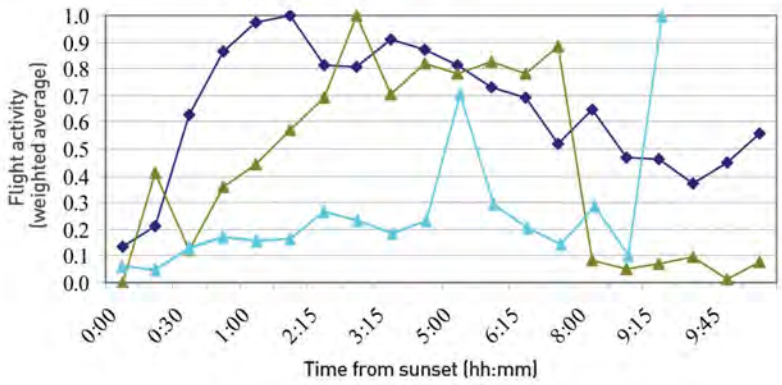
Studies found that in the west, bats were found predominantly near hedgerows and a few near pastures. In the east, there were a few found in various topographic areas, but were observed slightly more often around wooded areas and crops.

Complete results can be found in the Natural Heritage Assessment Report, Appendix D.

The line graph depicts the results from the radar survey monitoring flights of birds and bats over the course of the evening and overnight.

The graph shows both the eastern (light blue) and western (green) areas, as well as an area of typical bat activity in southern Ontario (dark blue) for comparison.

Noctural Bird and Bat Flights at South Branch Wind Farm



Conclusion

- Site investigations did not find any bat roosts where local bat populations would live.
- The project area is not a high density corridor used for migrating bats.
- Bats were found to fly within the blade sweep zone only 15% to 30% of the time.
- Risks to bat populations at the South Branch Wind Farm are low, primarily due to the low abundance of bats in the local area.

Archaeology

Prowind wants to ensure that the South Branch Wind Farm will not disturb any local archaeological heritage. Professional, licensed archaeology consultants are engaged to complete the following monitoring programs.

Stage 1

- Assessments consist of a background history search on the project area, seeking to determine areas of high potential for archaeological importance.
- Preliminary Stage 1 surveys were completed in 2009 by AMICK Consultants Ltd.
- Further Stage 1 studies on expanded project areas were completed by Archaeological Research Associates (ARA) in 2010.

Results

All lands with archaeological potential to be directly impacted by the project warranted a Stage 2 property survey.

Stage 2

- Consultants from ARA conducted the surveys.
- Pedestrian and test-pit (test holes dug out by shovel) studies looking for historical artifacts were completed of all areas impacted by project construction or operation in April – June 2011.
- Pedestrian surveys involve visual inspection of ploughable lands at 5 m transects. These lands must be recently ploughed, weathered and must also present at least 80% visibility of the soil.
- Areas not eligible for pedestrian survey were test-pitted at 5 m intervals. This requires that a 30 cm hole is dug out by shovel and screened through a mesh sieve.

Results

Two locations identified within the surveyed lands that contained artifacts and/or evidence of previous habitation – referred to as findspots.

Findspot 1 – Euro-Canadian artifact scatter broadly dating from mid-nineteenth century to late twentieth century. This findspot did not meet criteria for requiring further work – Stage 3 was not recommended.

Findspot 2 – Remnants of a Euro-Canadian homestead dating from mid-nineteenth to late twentieth century. The archaeologists recommended avoidance of the area. Consequently, turbine 14 and its infrastructure were removed from the project scope, thus removing the need for Stage 3 assessment on these lands.

Ministry of Tourism and Culture (MTC) response and conclusion

MTC reviewed the report and concurred with the survey conclusion. No further archaeological studies are required for this project.

Heritage Assessment

A professional heritage assessment team conducted a survey of homes, buildings and vistas surrounding the project during the summer and fall of 2010. The survey identified Built Heritage (BH) resources or Cultural Heritage Landscapes (CHL) with significant Cultural Heritage Value or Interest (CHVI) and completed impact assessments for each.

Results

- Three Cultural Heritage Landscapes with CHVI were identified (Brinston, Hulbert and Dixon's Corners).
- 19 BH resources with CHVI were identified both within and on property abutting the project site.
- The project will not have negative impacts on the identified BH resources and CHLs.

MTC response and conclusion

MTC reviewed the report and concurred with the survey conclusion. No further heritage assessment studies are required for this project.

Radar and Telecommunications

Radar

Wind turbines pose a unique difficulty for radar stations in North America and the world. This is because turbines are tall structures with moving components; when viewed on a radar screen, it can be difficult to distinguish between turbines and other moving objects in the sky[1].

Radar monitoring efforts near airports and airfields must be carefully examined to ensure the potential for interference is identified and mitigated.

All proposed turbines at South Branch Wind Farm are within line-of-sight of the Ottawa Primary Surveillance Radar[2]. This can increase the possibility of identification of false targets on the radar system.

Conclusion

Nav Canada has granted conditional approval for the project design with the condition that the developer is responsible for all costs associated with technical mitigation measures that may become necessary. No other agencies indicated likelihood of impact on existing systems.

Radio communication

Communication networks may be impacted by the development of a wind farm due to either signals being blocked by or reflected off the turbines[3]. A study was completed to identify any licensed broadcasters in the project area[4]. The study included the following types of radio communication:

- Land Mobile Networks, as registered on Industry Canada's Spectrum Direct;
- Radio and Television Broadcast Stations;
- Cellular Type Networks; and
- Point-To-Point Systems.

Conclusion

The project does not fall within the consultation zones for any of these communication systems – no impacts to these systems are anticipated.

Television and satellite reception

YRH & Associates (Montreal, QC) completed a survey[5] to determine the potential for impacts to reception of TV and satellite signals in the vicinity of the project.

Conclusion

No significant risk of interference to reception of digital or satellite TV signals.

Mitigation

Prowind has proposed a mitigation strategy that will be applied in the unlikely event that degradation in quality of digital signal reception is identified post-construction.

[1] Feasibility of Mitigating the Effects of Windfarms on Primary Radar, ETSU W/14/00623/REP, Alenia Marconi Systems Limited. 2003. http://www.bwea.com/pdf/AWG_Reference/0306%20BERR%20Feasibility%20of%20mitigating%20the%20effects%20of%20wind%20farms%20on%20primary%20radar.pdf

[2] Nav Canada consultation, Appendix E, *South Branch Wind Farm Design & Operations Report*

[3] *Technical Information and Guidelines on the Assessment of the Potential Impact of Wind Turbines on Radio Communication, Radar and Seismoacoustic Systems*, Radio Advisory Board of Canada and Canadian Wind Energy Association, Version 8.0

[4] Appendix E, *South Branch Wind Farm Design & Operations Report*

[5] Appendix D, *South Branch Wind Farm Design & Operations Report*

Construction Activities

There are three main components to construction:

1. Preparation of the land: removal and re-distribution of topsoil, excavation and removal of sub-surface earth;
2. Construction and erection of the wind farm: source local suppliers where possible for construction materials and labour; and
3. Site rehabilitation: restore ecosystem attributes and associated vegetation communities to pre-development conditions. All temporary structures and facilities are removed and the lands are returned to their pre-construction state. Damaged tile drains are repaired and construction debris is removed.

Duration

Construction is expected to take between six and eight months, starting either fall 2012 or spring 2013, depending on weather conditions when all permits for construction have been secured. Load restrictions on municipal roads from March to May will be respected.

Access road construction

Each turbine requires an access road to allow construction traffic and delivery of infrastructure. Access roads will be comprised of pressed gravel and will be built to a width of 6 m for construction and reduced to 5 m after construction is complete. Large delivery trucks must be able to complete wide turns to enter the work site – a temporary turning area with a radius of approximately 43 m is planned for each road entrance. Roads will be maintained through the life of the project.

Buried and overhead electrical cables

Electrical cables buried in fields are placed more than 1 m below the surface to permit farming activities to continue.

Overhead electrical cables will run along Gilmour Road as far as Brinston Road and then south along Brinston Road for approximately 300 m. Where possible, existing poles will be shared – this will likely require upgrades to the hydro poles in order to accommodate the new wires. Hydro One will coordinate upgrades to existing poles.

Substation

The substation contains the control system of the wind farm as well as an electrical transformer to convert the power from 27.6 kilovolt (kV) to 44 kV to match the distribution voltage on the existing power line. The substation will be fenced for security and safety purposes.

Turbine foundation

The foundation is a steel-reinforced concrete base that is poured into prepared ground at the base of the turbine. Up to 102 cement truckloads are required to deliver concrete for each foundation. Foundations will take approximately 13 weeks to prepare, followed by 5 weeks of curing before turbines can be assembled.

Turbine delivery and erection

Turbines arrive in several pieces on flatbed trailer trucks and are delivered directly to the lay-down area around each planned turbine location. Large cranes are used to pull tower pieces into position and to assemble and raise the nacelle and blades into position. As many as three cranes will be used to assemble each turbine.

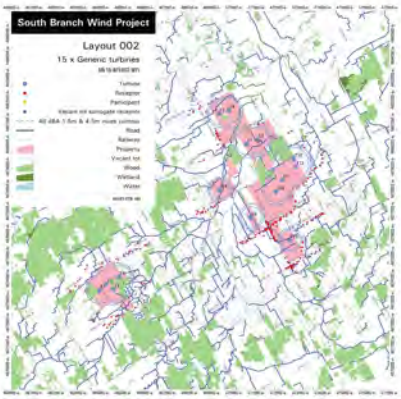
Sound Regulations and Setbacks

Sound regulations

The Ontario Ministry of Environment has established guidelines for sound level limits of wind farms[1]. The Developer must show that the proposed project will not create a noise output of more than 40 A-weighted decibels (dBA) in a 'predictable worst-case scenario' at any non-participating receptor.

What is a receptor?

Receptors or non-participating points of reception at the South Branch Wind Farm are residential dwellings of individuals and families who are not project participants. All receptors marked for this project have been designated as rural and are presented on the site plan diagrams.



What is 40 dBA?

This sound level is similar to that of a running refrigerator or a quiet library.

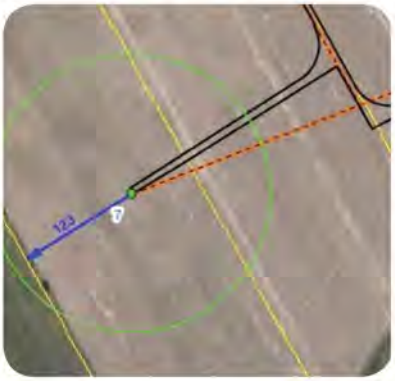
Noise assessment

Zephyr North Ltd. was engaged by Prowind to complete a study of the potential sound output of the proposed South Branch Wind Farm. A maximum sound output of 106.4 dBA was adopted as the maximum output level of any turbine considered for this project. Only turbines with maximum sound output equal to or less than 106.4 dBA are candidate turbines for this project. This ensures the sound output will remain within the regulated limits for all receptors.

Results of the Zephyr North study[2] show sound levels at all receptors are within the acceptable limit.

Setback regulation

Turbines must be situated at least 550 m from homes, although in many cases, the noise regulations have imposed greater restrictions and turbines are further than this minimum distance. The setback site plan shows the distance from turbines to the nearest receptor. All non-participant receptors are beyond this minimum setback.



Turbines must be far enough from property lines for safety of neighbouring residents and businesses. The minimum property line setback is the turbine height (excluding blades). The regulation permits for this minimum setback to be reduced to blade length plus 10 m if it can be shown that the proposed location will not result in adverse impacts on nearby infrastructure, properties or land use activities.

There are five locations at the South Branch Wind Farm where turbines are within the proposed turbine height as described in the Abutting Property Assessment Report - Turbines 4, 7, 9 and 13. All of these occurrences have been assessed and no detrimental impact to the neighbouring properties has been identified. In all cases, the neighbouring land parcels are used for agricultural operations and very minimal risk is presented by the turbines' proximity.

[1] Ontario MOE publications NPC-232 – Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), MOE Noise Guidelines for Wind Farms (October 2008) and in Ontario O.Reg 259/09 and proposed amendments.

[2] Appendix C, South Branch Wind Farm Design and Operations Report

Wind Farm Operation

How much power is produced?

We estimate that on average South Branch Wind Farm will produce a total of over 75,000 megawatt hours (MWh) of clean, renewable electricity in each year of operation.

Who controls the wind farm?

We plan to have an operations and maintenance building near the project area to control the power generated and delivered into the existing electrical power grid.

What are the reasons for temporarily removing a wind farm from the power system?

Several events may require that the wind farm generation be removed from the power system, or taken offline, including regular maintenance, equipment repair, inclement conditions (too much wind or ice), or planned or unplanned issues in the downstream power grid.

Safety Measures

Wind farm operators work with local services groups to identify when responsibility for emergency responses is transferred to a specialized team trained for emergencies occurring above ground level. Local services such as ambulance, police and fire will coordinate efforts with wind farm operators to practice established emergency response and communication plans.

Decommissioning

The feed-in-tariff or FIT contract at South Branch is valid for 20 years from the time of full commercial operation. After 20 years, the wind farm is either decommissioned or re-powered with updated technology under a new power purchase agreement.

When a farm is decommissioned, the goal is to return the land to its pre-construction state. Project infrastructure, including roads, cables, turbines, foundations and substation must be disassembled and removed from the site. To prepare for the removal of equipment, the access roads are widened to 6 m and turning areas are reinstated. Lay-down areas at the base of each turbine are reconstructed. Cranes are brought in to disassemble the turbines and substation and to load transport trucks for removal. Wherever possible, equipment and construction materials such as excess gravel are recycled, sold or given away.

Rehabilitation of project areas is completed and vegetation communities are reinstated where they have been disturbed.

Post-Construction Monitoring

Prowind wants to ensure that the South Branch Wind Farm is meeting its environmental and social expectations by conducting the following monitoring programs.

Birds and bats

Post-construction monitoring will be conducted at the South Branch Wind Farm for a minimum of three years. This monitoring program will survey the area within a 50 m radius around the base of 10 of the 14 proposed turbines. Surveys will be conducted every third day from April to November.

To ensure the accuracy of results, two other survey trials are conducted:

- Searcher Efficiency Trials: test the effectiveness of those conducting the searches; and
- Scavenger Trials: test the likelihood of animals scavenging the birds/bats before they can be found by the surveyor

The results of these trials are recorded and assessed for final impact evaluation.

Each year, after the surveys are complete, a final number is calculated that identifies the impact of the turbines on birds and bats. If the wind farm results in the mortality of more than 10 birds or bats per turbine per year, mitigation measures will need to be instigated. Mitigation measures can include slowing the turbine, increasing the cut-in speed (wind speed at which the turbine starts rotating), or stopping the turbine during times of increased bird and bat traffic.

Water quality

To ensure construction activities do not adversely affect the surface water quality in the area, water quality testing will be conducted on site, before and after the construction period. There is a slight risk of increased sedimentation and contamination from construction activities. Although risk is low, Prowind wants to ensure there are no adverse environmental impacts from the wind farm. Turbidity and hydrocarbons will be tested before construction to establish a base level, and again once construction activities are complete. If levels have increased, a rehabilitation plan will be established with the Ministry of Environment, Ministry of Natural Resources and South Nation Conservation to return water quality to base levels.

Sound and television reception

Website for reporting concerns

Prowind wants to ensure that the wind farm is not unduly impacting the lives of nearby residents. If the wind farm seems to be causing disruption, a website will be available to receive concerns 24 hours a day and a company representative will respond in a timely manner.

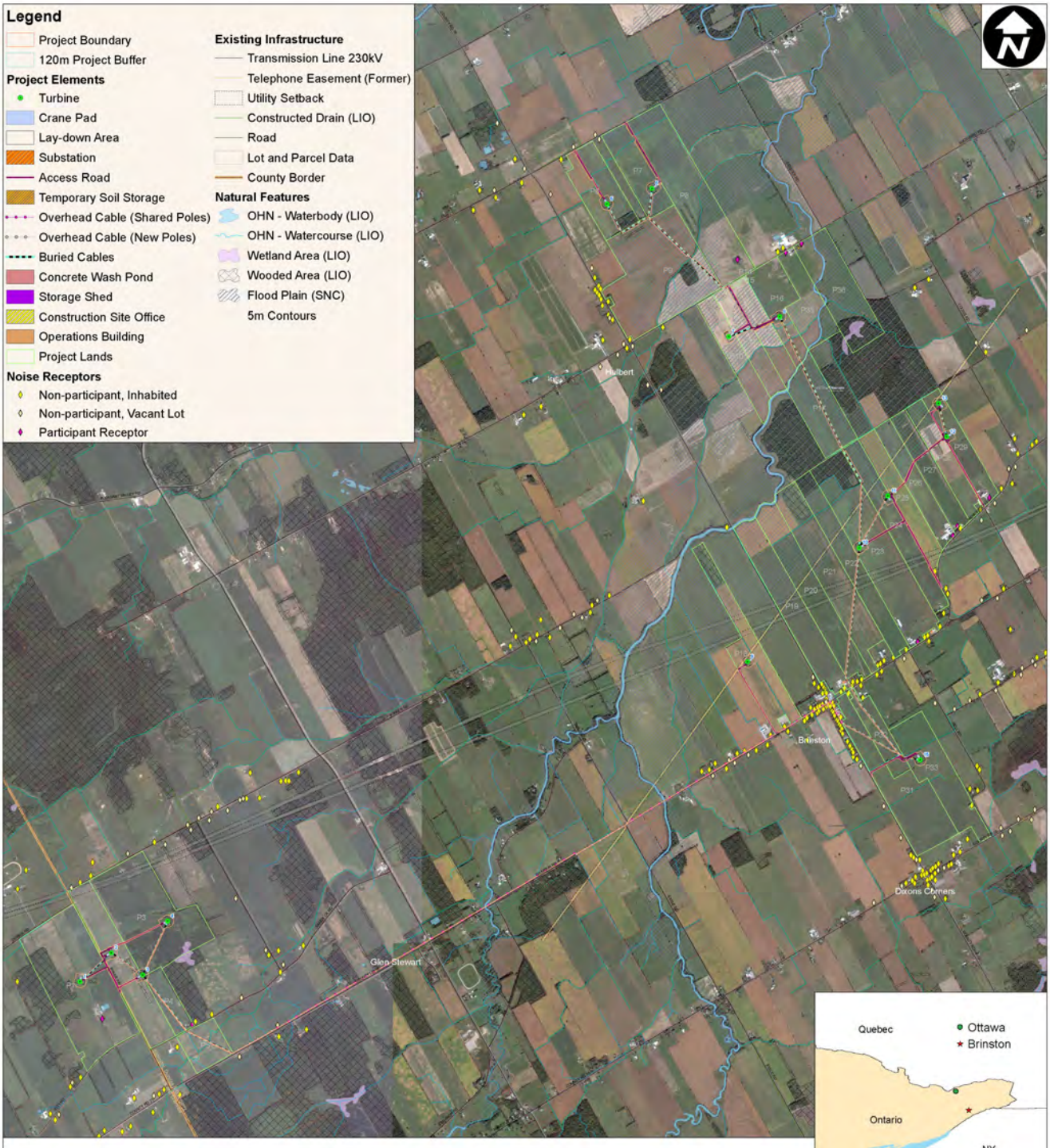
Sound

The wind farm is required by law to adhere to the regulated sound limit of 40 A-weighted decibels at all times. Even though sound is modeled prior to construction using very conservative numbers, real life experience is the only true measure.

People are invited to send their concerns via the website. They will be responded to by a company representative and reported to the Ministry of the Environment. Mitigation measures will be instigated if sound is found to be exceeding allowable limits.

Television

It is possible that the turbines may interfere with direct television signals received through antennae. Television signals have recently changed from analog to digital; it is expected that digital signals are less prone to interference from wind turbines than analog, but interference is still a possibility. Concerns will be received and addressed via the website.



South Branch Wind Farm - Construction Site Plan

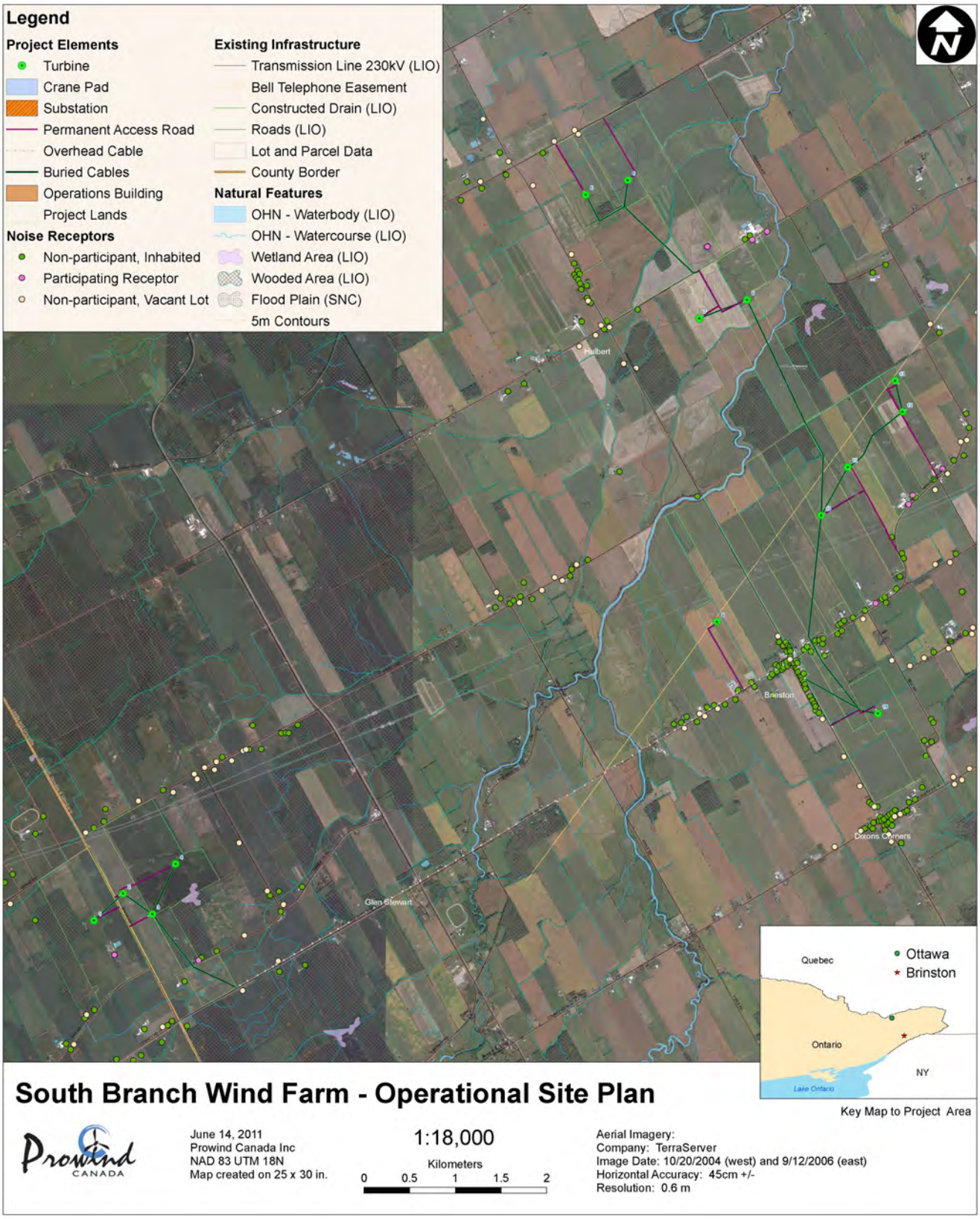
Key Map to Project Area

June 14, 2011
Prowind Canada Inc
NAD 83 UTM 18N
Map created on 24 x 36 in.

1:18,000

Kilometers
0 0.5 1 1.5 2

Aerial Imagery:
Company: TerraServer
Image Date: 10/20/2004 (west) and 9/12/2006 (east)
Horizontal Accuracy: 45cm +/-
Resolution: 0.6 m



Key Map to Project Area

South Branch Wind Farm - Operational Site Plan

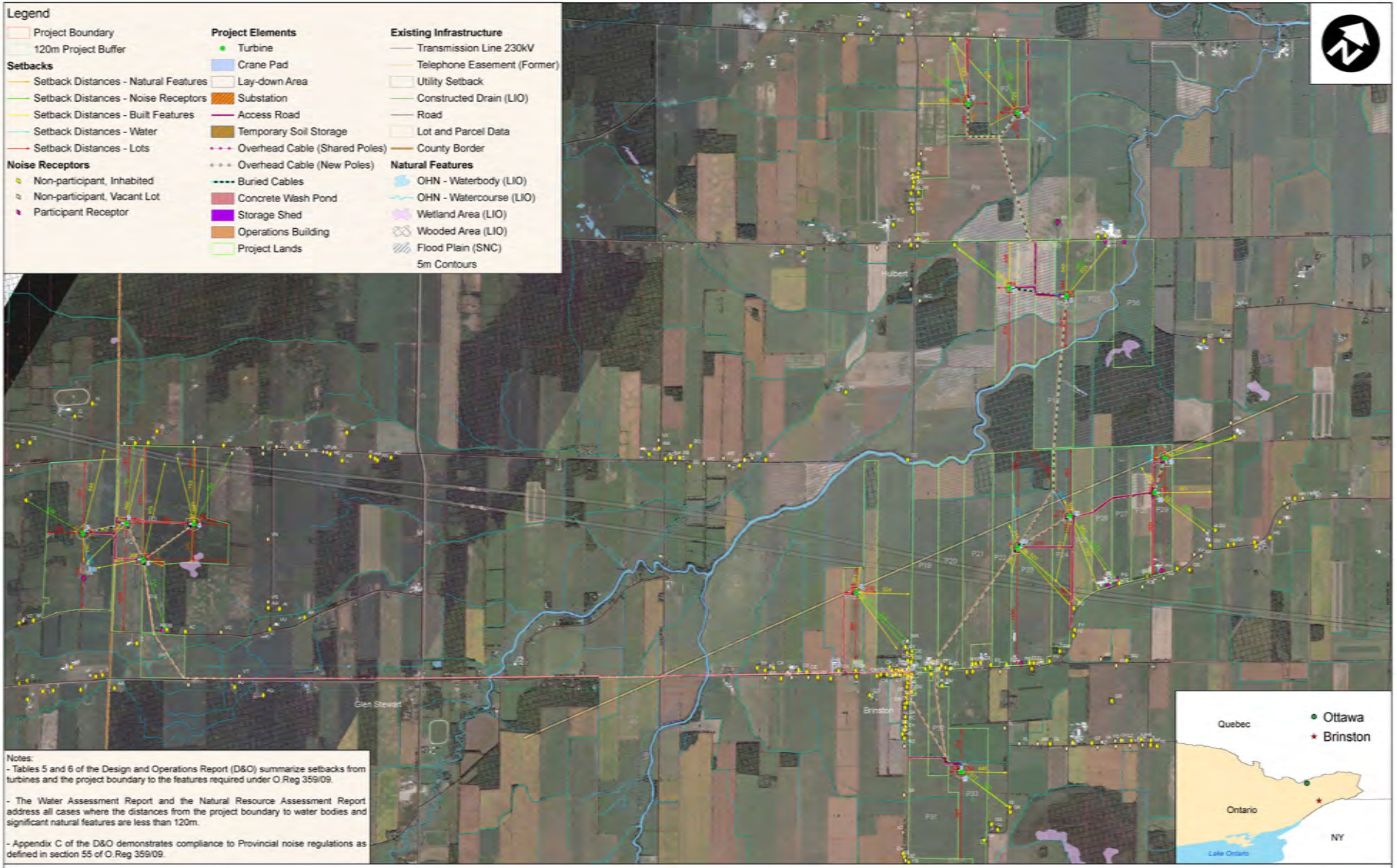
Prowind CANADA

June 14, 2011
Prowind Canada Inc
NAD 83 UTM 18N
Map created on 25 x 30 in.

1:18,000

Kilometers
0 0.5 1 1.5 2

Aerial Imagery:
Company: TerraServer
Image Date: 10/20/2004 (west) and 9/12/2006 (east)
Horizontal Accuracy: 45cm +/-
Resolution: 0.6 m



Notes:
- Tables 5 and 6 of the Design and Operations Report (D&O) summarize setbacks from turbines and the project boundary to the features required under O.Reg 359/09.

- The Water Assessment Report and the Natural Resource Assessment Report address all cases where the distances from the project boundary to water bodies and significant natural features are less than 120m.

- Appendix C of the D&O demonstrates compliance to Provincial noise regulations as defined in section 55 of O.Reg 359/09.

South Branch Wind Farm - Setback Site Plan

June 14, 2011
Prowind Canada Inc

NAD 83 UTM 18N
Map created on 24 x 36 in.
All distances presented in metres

1:16,000

Kilometers
0 0.5 1 1.5 2

Aerial Imagery:
Company: TerraServer
Image Date: 10/20/2004 (west) and 9/12/2006 (east)
Horizontal Accuracy: 45cm +/-
Resolution: 0.6 m

Key Map to Project Area

Prowind CANADA

South Branch Wind Farm

The South Branch Wind Farm is proposed as a 30 megawatt (MW) renewable energy generation facility. Once constructed, the facility will be able to produce enough renewable electricity to power approximately 7,500 homes per year.

Project Schedule

Fall 2011	Submit Renewable Energy Approval (REA) application
Summer 2012	REA approval
Fall 2012	Detailed design and engineering Building permit and other permits secured
Spring 2013	Construction begins
Fall 2013	Wind farm commissioning

Turbine Specifications

Make and model	To be determined
Maximum rated output	2.0 to 3.0 MW per turbine
Tower and blade height	≤ 199 m
Rotor diameter	≤ 118 m
Blade sweep area	≤ 10,930 m^2
Range of rotational speeds	5-20 RPM
Approximate foundation diameter	22 m
Maximum quantity required for South Branch project	14

Location

Brinston, Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, theTownship of Edwardsburgh/Cardinal, United Counties of Leeds and Grenville

Capacity

30 megawatts (MW)

Wind turbines

Up to 14 (make and model to be determined)

Power purchase agreement

Ontario Power Authority

Study area

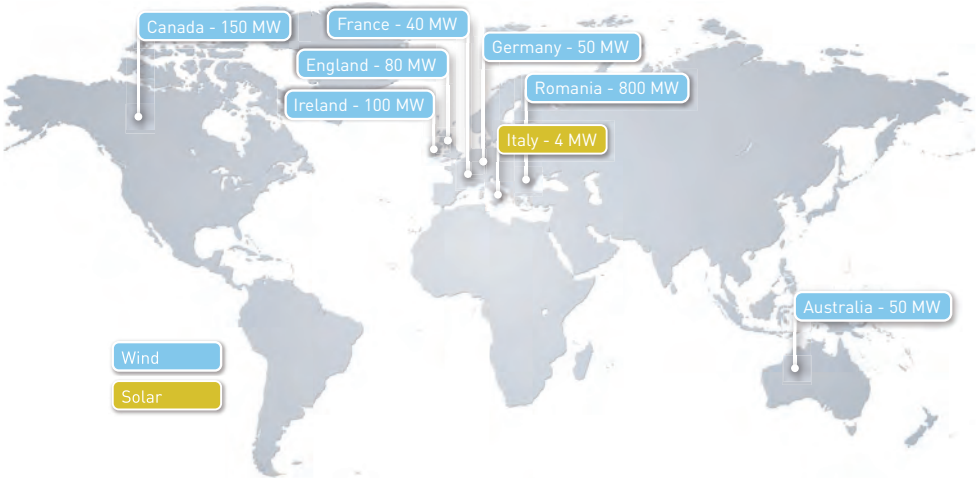
1,413 hectares

Full commercial operation

Fall 2013

Prowind

Global development projects



About Prowind

Prowind Canada Inc. is a Canadian corporation based in Hamilton, Ontario with a mandate to develop and operate wind power generation facilities in Ontario and across Canada. Prowind Canada is a wholly owned subsidiary of Prowind GmbH (Osnabrück, Germany). Prowind has successfully developed 22 wind power projects in Germany for a total of over 114 megawatts (MW) of installed capacity. Global expansion includes development in many countries across four continents with over 1,000 MW of wind and solar projects at various stages of development.

Developing for the future

We develop and operate power plants driven by renewable sources. We have over 10 years' experience planning, financing, constructing, building and operating power plants that produce renewable energy. Wind energy is our focus, and we plan to develop and operate wind farms across Canada for years to come.

Development approach

We develop renewable power generation in close consultation with landowners. Our responsible approach to development has gained us a reputation regionally, nationally and internationally as trustworthy and competent.

The construction of a wind farm is not only assembling a group of wind turbines - it is building relationships with the community and the landowners that will last for generations.

Contact Information

Prowind Canada Inc.
226 ½ James St. North, Unit A
Hamilton, Ontario L8R 2L3
T: 905.528.1747 F: 866.203.6516

For media:
Cathy Weston
cweston@prowind.ca
T: 613.894.4656

For all other inquiries:
Rochelle Rumney
rrumney@prowind.ca
T: 905.528.1747

Prowind CANADA

SOUTH BRANCH WIND FARM PUBLIC INFORMATION OPEN HOUSE

Date: Dec. 12, 2011 Time: 6 pm to 9 pm Location: Spenceville

	Name* (Please print clearly)	Place of Residence (Town/City)	Can we add you to the project mailing list?	E-mail or mailing address* (for mailing list)
1	PATRICK SAYEAU	CARDINAL	☑ Yes ☐ No	[redacted]
2	RYAN BROWN	TORONTO	☑ Yes ☐ No	[redacted]
3	Ken Little	Toronto	☑ Yes ☐ No	[redacted]
4	AL BARCLAY	SPENCERVILLE	☐ Yes ☑ No	
5	Bob FRY	Spencerville	☐ Yes ☑ No	
6	GERRIT LUNDS	SPENCERVILLE	☐ Yes ☐ No	[redacted]
7	DOUG GILMER	SPENCERVILLE	☑ Yes ☐ No	[redacted]
8	Angie Bernard	Spencerville	☑ Yes ☐ No	[redacted]
9	BARRY THOMPSON	KEMPTVILLE	☑ Yes ☐ No	[redacted]
10	BILL AHERN	SPENCERVILLE	☑ Yes ☐ No	[redacted]
11	VIC ALLEN	SPENCERVILLE	☑ Yes ☐ No	[redacted]
12	RUSSELL TRIVETT	SPENCERVILLE	☑ Yes ☐ No	[redacted]
13	Rose Wickwire	Brinston	☐ Yes ☐ No	
14	Susan Terry	Brinston	☑ Yes ☐ No	[redacted]
15	Larry Terry	Brinston	☑ Yes ☐ No	[redacted]
16	RICKY LEE	BRINSTON	☐ Yes ☐ No	
17	F. CRAVEN	Shanley	☐ Yes ☐ No	
18	K. Craven	Shanley	☐ Yes ☐ No	
19	K. HUBBARD	BRINSTON	☑ Yes ☐ No	[redacted]
20	Mark + Lisa Simzer	Brinston	☑ Yes ☐ No	[redacted]

* Personal information collected by Prowind is for **internal office use only** and will not be published or made available to anyone.

Prowind CANADA

South Branch Wind Farm – Public Information Open House

Date: Monday, December 12, 2011 **Location:** Drummond Building
Time: 6:00 pm to 9:00 pm 22 Ryan Street, Spencerville, ON

Please return completed surveys to Prowind Canada Inc.

Address: 226 ½ James Street North, Unit A, Hamilton, ON L8R 2L3 **Fax:** 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? ✓ YES NO

5. How close to the South Branch Wind Farm do you live? 0-2km ✓ 2-5km 5-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

medical issues, property value.

7. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients. I could give lots of suitable recipients but me know its going to the Township

8. The majority, but not all, of construction activity will occur at the proposed turbine sites and away from residences. This will help mitigate sound impacts from machinery at residences. There will be periods, such as when frequent deliveries are being made by heavy trucks on some local roads, that sound impacts will be greater. At what time in the morning do you consider it appropriate for noise producing construction activity to begin?

7:00 AM 7:30 AM 8:00 AM → 2030 year

If you feel there should be a different time for weekends please indicate the time: ✓ 0000 - 0004

9. At what time in the evening do you consider it appropriate for noise producing construction activity to conclude?

8:00 PM 9:00 PM (10:00 PM)

If you feel there should be a different time for weekends please indicate the time:_____

~~12~~ 0100 - 0400.

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

Subject: South Branch Wind Farm - Requested Information
From: Rochelle Rumney <rrumney@prowind.ca>
Date: 12-02-14 10:25 AM
To: [redacted]

Hello [redacted]

Thanks for attending one of the previous open houses for the South Branch Wind Farm. You requested some additional information on medical issues, and property value.

Health

The first report is titled *"Health effects and wind turbines: A review of the literature"*. The report was written by Loren Knopper and Chris Ollson. If you attended the public meeting on January 10th or 11th of this year, you'll recall that Mr. Knopper was there presenting the findings of this report and addressing health related questions.

Here is an excerpt from the report that highlights the results:

"In peer reviewed studies, wind turbine annoyance has been statistically associated with wind turbine noise, but found to be more strongly related to visual impact, attitude to wind turbines and sensitivity to noise. To date, no peer reviewed articles demonstrate a direct causal link between people living in proximity to modern wind turbines, the noise they emit and resulting physiological health effects. If anything, reported health effects are likely attributed to a number of environmental stressors that result in an annoyed/stressed state in a segment of the population."

Property Value

There have been recent numerous studies conducted in the vicinity of constructed wind farms that indicate no distinct trend linking proximity to wind farms to property value loss. I have attached a recent report on this topic. This is a 2010 report from Chatham-Kent, Ontario that concludes:

"No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis. Furthermore, this study did not find any consistent evidence from the analyzed data that such a negative correlation exists in the municipality of Chatham-Kent. During the course of gathering data, there were no unusual quantities of rural residential properties listed for sale in the study area. Four unrelated data processes were used in studying the property sales information for Chatham-Kent. The only consistency was that each evaluation methodology found that it was highly unlikely that any type of a causal relationship exists between wind farms and the market values of rural residential real estate."

There is also another study that is even more recent, 2011, but was conducted in Illinois. This study is titled "*The Effect of Wind Farms on Residential Property Values in lee County, Illinois*" written by J. Carter. Similar concerns about property devaluation arose in that area and this study was conducted in response to those concerns. The abstract from this study is copied below. It can be downloaded here: http://renewableenergy.illinoisstate.edu/wind/publications/2011%20Wind%20Farms%20Effect%20on%20Property%20Values%20in%20Lee%20County.pdf

"Lee County, Illinois experienced significant wind energy development over the last decade. The county is home to the first commercial wind farm constructed in Illinois, which began operation in November of 2003. Additional wind farms began operating in April of 2007 and December of 2009. Although the County has been living with wind development for several years, there is still debate about its effect on residential property values. This study utilizes a hedonic price model to assess the impacts on 1,298 real estate transactions from 1998 to 2010. The analysis indicates that residential properties located near wind turbines in Lee County have not been affected by their presence."

Additionally a large study was conducted in 2009 in the United States that looked at 10 different states and 14 different Counties to identify trends in property value near wind farms. The study is "*The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site hedonic Analysis"* by B. Hoen et al. It can be downloaded here http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf

Below is an excerpt from the Conclusion of the Executive Summary.

“Though each of the analysis techniques used in this report has strengths and weaknesses, the results as a whole are strongly consistent in that none of the models uncovers conclusive evidence of the presence of any of the three property value stigmas that might be present in communities surrounding wind power facilities. Therefore, based on the data sample and analysis presented here, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual homes or small numbers of homes have been or could be negatively impacted, it finds that if these impacts do exist, they are either too small and/or too infrequent to result in any widespread, statistically observable impact. Moreover, to the degree that homes and wind facilities in this sample are similar to homes and facilities in other areas of the United States, the results presented here are expected to be transferable to other areas.

I hope this information is helpful in addressing your concerns. If you’d like additional information on any topic, please don’t hesitate to contact me.

Thanks very much,

The Prowind Team

--

Prowind Canada Inc.
226 1/2 James St. N., Unit A
Hamilton, ON L8R 2L3
www.prowind.ca

Office: 905.528.1747
Fax: 866.203.6516

Attachments:

Health effects and wind turbines 2011 09 14.pdf	226 KB
Chatham Kent Property Value Study 2010.pdf	541 KB

South Branch Wind Farm – Public Information Open House

Prowind CANADA

Date: Thursday, September 29, 2011 **Location:** Matilda Hall

Time: 6:00 pm to 9:00 pm 4421 Brinston Rd. (CR 16), Dixon's Corners, ON

Please return completed surveys to Prowind Canada Inc.

Address: 226 ½ James St. N., Unit A, Hamilton ON L8R 2L3 **Fax:** 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? (YES) NO

5. How close to the South Branch Wind Farm do you live? (0-5km) 6-10km 11-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

BRAND AND TECKNICAL INFO ON CHOSEN UNITS

~~MAINTENANCE~~ MAINTENENCE PROGRAMS, AND WHAT IT CONSISTS OF. WHAT TEARDOWN CONSISTS OF WHEN 20 YEARS IS UP AND REMOVAL OF CEMENT BASE AND ROADS.

7. Do you have any comments about the South Branch Wind Farm?

I OBJECT TO THE VISUAL POLLUTION OF THESE THINGS. PROPERTY VALUES WILL DROP WITH HOUSES TAKING THE BIGGEST DROP, FARM LAND MIGHT DROP WHEN THE TURBINES MATURE, WHEN ALL THE POWER WE NEED CAN BE

→

This information is collected to help us understand your concerns and improve every aspect of our project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

BOUGHT FROM QUEBEC AS NEW YORK STATE DOES FOR A VERY LOW RATE IT IS INDEFENCABLE TO BE DOING THIS.

PEOPLE IN TORONTO WANT THESE THEN PUT THEM IN THE GREEN BELT.

Subject: South Branch Wind Farm - requested information
From: Rochelle Rumney <rrumney@prowind.ca>
Date: 12-02-14 1:53 PM
[redacted]

Hello [redacted]

Thank you for attending one of the previous open houses for the South Branch Wind Farm. You requested some additional information on the turbine unit details, maintenance programs and decommissioning process.

Turbine Selection

At this point in time we do not have a turbine model selected for the South Branch Wind Farm. Prowind wants to ensure that we find a turbine that is both right for the area's wind regime and that meets Ontario domestic content regulations. Domestic content regulations require that 50% of the project costs be spent in Ontario. Not all turbine manufacturers can meet this target today, although it's improving. Additionally, new technologies and quieter, more powerful machines are becoming available, so we want to make sure we have the best of all these options for the South Branch Wind Farm.

Maintenance Program

The turbine manufacturer is typically contracted to perform Operations and Maintenance (O&M) work for the first 2-15 years of the project. After that time, the services may be assumed directly by the project owner or contracted to another specialized company with the proper skills and infrastructure.

We have proposed to use a local building to serve as the O&M office for the project. Depending on the approach taken by the manufacturer, operations and maintenance staff can be stationed on-site at all times, or operate out of a regional service centre for all or part of the time. It is common for projects like the South Branch Wind Farm to have staff on-site for a portion of the day. In the early months of the project there tend to be more maintenance staff on-site as new turbines require a series of inspections and bolt re-tightening after the first few hundred hours of operation.

Once those types of activities are complete, maintenance is generally comprised of planned and unplanned activities:

- Planned maintenance can be activities such as lubrication of moving parts, fluid changes, replacement of certain parts after a set time span, or a reaction to advanced warning from sensors that a part is wearing out.
- Unplanned maintenance can be activities such as investigating sensor feedback, manually restarting turbines that go into an auto shutdown, or making repairs that become necessary with little warning. The vast majority of these activities can be addressed using on-site equipment such as the hoists installed in the turbine nacelle. However, if a major component such as a blade, gearbox, or generator needs replacement, a crane may need to be brought to the site. It is possible that this could occur several times over the existing 20-year contract.

Decommissioning

The contract for the power purchase agreement with the Province for this project is 20 years, but the project will not necessarily be decommissioned in 20 years. At that time the wind farm operator may be able to sign a new contract and continue the wind farm for another contract length. That is a policy decision at the Provincial level and we are unable to predict what the appetite for wind energy will be at that time.

When the wind farm does get decommissioned, it is essentially the reverse of the construction process and include the following activities:

- lay-down area is reconstructed and a crane brought in
- blades are removed and dismantled
- nacelle is removed and dismantled
- tower sections are removed in pieces
- foundation is broken up to a depth of 3 or 4 feet (below plough depth) and the remainder of the foundation is left in the

ground

- cables can be left in the ground or removed
- aggregate from the roads and lay-down areas is removed and topsoil is returned to those areas
- any scrap material that can be sold (ie. gravel, steel, copper, etc.) will be sold to help with decommissioning costs

Money is set aside by Prowind in escrow to contribute to decommissioning costs. This is in the amount of $1,000/MW/yr for the lifetime of the project. At the end of 20 years this will be $600,000, not including interest.

Additional details about decommissioning can be found in the South Branch Wind Farm Decommissioning Report available for download on our website. (http://prowind.ca/downloads/SBWF_REA2_2/07_South_Branch_Wind_Farm_Decommissioning_Report_2011-07-30.pdf)

Property Values

There have been recent numerous studies conducted in the vicinity of constructed wind farms that indicate no distinct trend linking proximity to wind farms to property value loss. A report titled "Wind Energy Study – Effect on Real Estate Values in the Municipality of Chatham-Kent, Ontario" prepared by L.J. Simmons and G. Canning was written in 2010. I have attached this report to this email. The report concludes:

"No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis. Furthermore, this study did not find any consistent evidence from the analyzed data that such a negative correlation exists in the municipality of Chatham-Kent. During the course of gathering data, there were no unusual quantities of rural residential properties listed for sale in the study area. Four unrelated data processes were used in studying the property sales information for Chatham-Kent. The only consistency was that each evaluation methodology found that it was highly unlikely that any type of a causal relationship exists between wind farms and the market values of rural residential real estate."

There is also a more recent study from 2011, conducted in Illinois. This study is titled "*The Effect of Wind Farms on Residential Property Values in Lee County, Illinois*" written by J. Carter. Similar concerns about property devaluation arose in that area and this study was conducted in response to those concerns. The abstract from this study is copied below. The report in its entirety, can be downloaded here: http://renewableenergy.illinoisstate.edu/wind/publications/2011%20Wind%20Farms%20Effect%20on%20Property%20Values%20in%20Lee%20County.pdf

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Additionally a large study was conducted in 2009 in the United States that looked at 10 different states and 14 different Counties to identify trends in property value near wind farms. The study is titled "*The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site hedonic Analysis"* by B. Hoen et al. It can be downloaded here http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf

Below is an excerpt from the Conclusion of the Executive Summary.

"Though each of the analysis techniques used in this report has strengths and weaknesses, the results as a whole are strongly consistent in that none of the models uncovers conclusive evidence of the presence of any of the three property value stigmas that might be present in communities surrounding wind power facilities. Therefore, based on the data sample and analysis presented here, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual homes or small numbers of homes have been or could be negatively impacted, it finds that if these impacts do exist, they are either too small and/or too infrequent to result in any widespread, statistically observable impact. Moreover, to the degree that homes and wind facilities in this sample are similar to homes and facilities in other areas of the United States, the results presented here are expected to be transferable to other areas."

I hope this information is helpful in addressing your concerns. If you'd like additional information on any topic, please don't hesitate to contact us.

Thanks very much,

The Prowind Team

--

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www.prowind.ca

Office: 905.528.1747
Fax: 866.203.6516

Attachments:

Chatham Kent Property Value Study 2010.pdf	541 KB

Prowind CANADA

South Branch Wind Farm – Public Information Open House

Date: Monday, December 12, 2011 **Location:** Drummond Building
Time: 6:00 pm to 9:00 pm 22 Ryan Street, Spencerville, ON

Please return completed surveys to Prowind Canada Inc.

Address: 226 ½ James Street North, Unit A, Hamilton, ON L8R 2L3 **Fax:** 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: _____

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? (YES) NO

5. How close to the South Branch Wind Farm do you live? (0-2km) 2-5km 5-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

_____

_____

7. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients. _____

_____

8. The majority, but not all, of construction activity will occur at the proposed turbine sites and away from residences. This will help mitigate sound impacts from machinery at residences. There will be periods, such as when frequent deliveries are being made by heavy trucks on some local roads, that sound impacts will be greater. At what time in the morning do you consider it appropriate for noise producing construction activity to begin?

7:00 AM 7:30 AM 8:00 AM

If you feel there should be a different time for weekends please indicate the time:_____

9. At what time in the evening do you consider it appropriate for noise producing construction activity to conclude?

8:00 PM 9:00 PM 10:00 PM

If you feel there should be a different time for weekends please indicate the time:_____

_____

_____

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

10. We will conduct a formal question-and-answer session during our final meetings in January to be held between 6 and 7:30pm on each night. Priority will be given to advance questions in writing from local residents. Please provide any questions you would like us to answer at this session.

11. Do you have additional comments about South Branch Wind Farm that you wish to share with us?

Concerns: (A) Health Issues
(B) Devaluation of property
(C) Herd health (IE) CATTLE POULTRY ED
(D) Vibrations/ Sound-
(E) Contamination of well water.

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal**

Prowind CANADA

226½ James Street North, Unit A, Hamilton, ON L8R 2L3

Phone: 905-528-1747
Fax: 866-203-6516

Email: info@prowind.ca
Web: www.prowind.ca

[redacted]

February 13, 2012

Dear [redacted]

Thank you for attending the Open House for the South Branch Wind Farm. At the meeting in December, you completed a survey requesting additional information.

You asked about the following subjects:
1) Health Effects
2) Devaluation of Property
3) Herd health (ie cattle and poultry)
4) Vibration of Ground
5) Contamination of well water

Health Effects

An excellent resource for information related to health effect from wind turbines is titled *"Health effects and wind turbines: A review of the literature"* by Loren Knopper and Chris Ollson. If you attended the public meeting on January 10th, you may recall that Mr. Knopper was there presenting the findings of this report and addressing health related questions. I have included this report with this letter.

Here is an excerpt from the report that highlights the results:

"In peer reviewed studies, wind turbine annoyance has been statistically associated with wind turbine noise, but found to be more strongly related to visual impact, attitude to wind turbines and sensitivity to noise. To date, no peer-reviewed articles demonstrate a direct causal link between people living in proximity to modern wind turbines, the noise they emit and resulting physiological health effects. If anything, reported health effects are likely attributed to a number of environmental stressors that result in an annoyed/stressed state in a segment of the population."

Additionally, a study from Massachusetts was just released in January 2012 and comes to a similar conclusion. That study can be downloaded here:
http://www.mass.gov/dep/energy/wind/turbine_impact_study.pdf

Devaluation of Property

There have been recent numerous studies conducted in the vicinity of constructed wind farms that indicate no distinct trend linking proximity to wind farms to property value loss. A 2010 report from Chatham-Kent, Ontario that concludes:

"No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis. Furthermore, this study did not find any consistent evidence from the analyzed data that such a negative correlation exists in the municipality of Chatham-Kent. During the course of gathering data, there were no unusual quantities of rural residential properties listed for sale in the study area. Four unrelated data processes were used in studying the property sales information for Chatham-Kent. The only consistency was that each evaluation methodology found that it was highly unlikely that any type of a causal relationship exists between wind farms and the market values of rural residential real estate."

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Additionally a large study was conducted in 2009 in the United States that looked at 10 different states and 14 different Counties to identify trends in property value near wind farms. The study is "*The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site hedonic Analysis"* by B. Hoen et al. It can be downloaded here: http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf

Below is an excerpt from the Conclusion of the Executive Summary.

"Though each of the analysis techniques used in this report has strengths and weaknesses, the results as a whole are strongly consistent in that none of the models uncovers conclusive evidence of the presence of any of the three property value stigmas that might be present in communities surrounding wind power facilities. Therefore, based on the data sample and analysis presented here, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual homes or small numbers of homes have been or could be negatively impacted, it finds that if

these impacts do exist, they are either too small and/or too infrequent to result in any widespread, statistically observable impact. Moreover, to the degree that homes and wind facilities in this sample are similar to homes and facilities in other areas of the United States, the results presented here are expected to be transferable to other areas."

Herd Health

We are not aware of any credible evidence to suggest that farm animals are negatively impacted by sound from wind turbines, and current Renewable Energy Approval requirements do not identify farm animal health as a potential impact from wind projects. We note that many farm animals are exposed to sound and vibration from barn ventilation systems, milking equipment, tractors, corn dryers etc. And livestock can often be found grazing beneath wind turbines in their pastures.

A study from Norway in 2004 titled *"Effects of wind turbines on area use and behaviours of semi-domestic reindeer in enclosures"* written by K. Flydal, S. Eftestøl, E. Reimers & J. E. Colman, looks at just this with a popularly farmed species that is very similar to cows/horses in this area. This report can be downloaded here:
http://septentrio.uit.no/index.php/rangifer/article/viewFile/301/282.

An excerpt from the abstract is below:

"Five different groups of reindeer in a 450 m long, 8 hectare, enclosure close to a wind turbine were manipulated by turning the wind turbine rotor on and off, and compared with reindeer in a control enclosure without wind turbine exposure. When exposed to rotor movement, two groups used locations farther from the wind turbine, two groups showed no shift, while one group moved closer to the wind turbine. The reindeer showed no systematic differences in the measured behaviour patterns between the two enclosures that could indicate fright or stress as a consequence of the wind turbine or rotor movement. We conclude that semi-domestic reindeer in an enclosure showed no negative behavioural response and little or no aversion towards a wind turbine."

Vibration of ground

Any vibration transferred from a wind turbine to the ground is expected to be dampened by the surrounding soil and mitigated by the setbacks from residences.

Contamination of well water

The possibility of contamination of surface water was investigated in the Design and Operations report, the Construction Report, and the Decommissioning Report. You can find these reports at: http://prowind.ca/?page=projects-south-branch-REA.

You can also view a hard copy of the reports at:

- Township of South Dundas Municipal Office, 4296 County Road 31, Williamsburg
- Township of Edwardsburgh/Cardinal Municipal Office, 18 Centre Street, Spencerville

The project was designed to minimize any impacts to surface water. Impacts to underground water are no more likely than they are with regular building construction. Best practices will be followed during all construction works to ensure that no contamination occurs.

I hope this information is helpful in addressing your concerns. If you'd like hard copies of any of the above referenced reports, please let us know. Please don't hesitate to contact us if you require additional information on any topic.

Thanks very much,

The Prowind Team

Encl.:
Knopper, L and Ollson, C. (2011). Health effects and wind turbines: A review of the literature. *Environmental Health* 2011, 10:78.

Prowind CANADA

South Branch Wind Farm – Public Information Open House

Date: Monday, December 12, 2011 **Location:** Drummond Building
Time: 6:00 pm to 9:00 pm 22 Ryan Street, Spencerville, ON

Please return completed surveys to Prowind Canada Inc.

Address: 226 ½ James Street North, Unit A, Hamilton, ON L8R 2L3 **Fax:** 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? already YES NO

5. How close to the South Branch Wind Farm do you live? (0-2km) 2-5km 5-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

ice throw and blades breaking off

7. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients. Would have to be decided between the Council of property owners directly effected

8. The majority, but not all, of construction activity will occur at the proposed turbine sites and away from residences. This will help mitigate sound impacts from machinery at residences. There will be periods, such as when frequent deliveries are being made by heavy trucks on some local roads, that sound impacts will be greater. At what time in the morning do you consider it appropriate for noise producing construction activity to begin?

7:00 AM 7:30 AM (8:00 AM)

If you feel there should be a different time for weekends please indicate the time: No construction at all on the weekend.

9. At what time in the evening do you consider it appropriate for noise producing construction activity to conclude?

(8:00 PM) 9:00 PM 10:00 PM

If you feel there should be a different time for weekends please indicate the time: No construction at all on the weekend

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

10. We will conduct a formal question-and-answer session during our final meetings in January to be held between 6 and 7:30pm on each night. Priority will be given to advance questions in writing from local residents. Please provide any questions you would like us to answer at this session.

More information on a real life Ugpow Study not just math theory.

11. Do you have additional comments about South Branch Wind Farm that you wish to share with us?

how do you get approval to install a wind farm such in a wetland area?

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal**

Subject: South Branch Wind Farm - requested information
From: Rochelle Rumney <rrumney@prowind.ca>
Date: 12-02-14 11:21 AM
[redacted]

Hello [redacted]

Thank you for attending our previous open houses for the South Branch Wind Farm. At the meeting in December you requested some additional information on ice throw and blade throw.

Ice Throw

In response to some concerns by both the municipalities and comments like your own, we commissioned an ice throw report from a specialized consultant, Zephyr North. Their analysis used several conservative assumptions along with the wind and weather conditions in this area and came up with a statement of risk for ice throw at the South Branch Wind Farm.

The report included an analysis of the risk to Byker Rd. To account for future upgrades and increased future traffic flow, the risk included the assumption that 100 cars a day traveled down this road.

If ice is thrown from a blade while the turbine is spinning, *"…the annual likelihood of an ice-vehicle impact is 0.0013, i.e., one impact every 785 years."* As discussed at the previous meeting, it is preferable and good practice for safety and to prevent machine damage to shut the turbine down if ice is detected. When the turbine is stationary, *" …the annual likelihood of vehicle impact … reduces to 0.0010, or one impact every 985 years."*

As you can see, the risk from ice throw is very low even when traffic conditions are assumed to be higher than the current volume. I have attached the full report for your review.

Blade Throw

Blade throw is a very rare occurrence, but has happened at other wind farms in the past. I do want to stress that it is very rare considering the number of turbines in the world. A literature review titled *"Recommendations for Risk Assessments of Ice Throw and Blade Failure in Ontario"* was prepared by Garrard Hassan and can be downloaded here: http://www.canwea.ca/images/uploads/File/GH-RiskAssessment-38079or01a(1).pdf.

It states that the maximum distance a full blade can be thrown is 150 m from the tower and the maximum distance that a piece of the blade can be thrown is 500 m from the tower, which is less than the minimum setback in Ontario between a turbine and non-participating residence.

Floodplain

You also asked how we attained permission to build turbines in a floodplain.

We have had extensive consultation with South Nation Conservation regarding the floodplain. It was verified that turbines are not allowed to be placed within the floodplain, but roads and cables are allowed, with the proper permitting. We must ensure we do not change the grade of the surface so as to not impact drainage patterns of the land.

I hope this information is helpful in addressing your concerns. If you'd like additional information on any topic, please don't hesitate to contact us.

Thanks very much,

The Prowind Team

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Prowind Canada Inc.
226 1/2 James St. N., Unit A
Hamilton, ON L8R 2L3
www.prowind.ca

Office: 905.528.1747
Fax: 866.203.6516

Attachments:

South Branch Wind Farm Ice Throw Report 2012 01 23.pdf 490 KB

Prowind CANADA

South Branch Wind Farm – Public Information Open House

Date: Monday, December 12, 2011 **Location:** Drummond Building
Time: 6:00 pm to 9:00 pm 22 Ryan Street, Spencerville, ON

Please return completed surveys to Prowind Canada Inc.

Address: 226 ½ James Street North, Unit A, Hamilton, ON L8R 2L3 **Fax:** 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: _____

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? YES ✓ NO

5. How close to the South Branch Wind Farm do you live? 0-2km 2-5km (5-20km) >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

Bird & Bat Kill

7. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients. _____

8. The majority, but not all, of construction activity will occur at the proposed turbine sites and away from residences. This will help mitigate sound impacts from machinery at residences. There will be periods, such as when frequent deliveries are being made by heavy trucks on some local roads, that sound impacts will be greater. At what time in the morning do you consider it appropriate for noise producing construction activity to begin?

7:00 AM 7:30 AM 8:00 AM NA

If you feel there should be a different time for weekends please indicate the time:_____

9. At what time in the evening do you consider it appropriate for noise producing construction activity to conclude?

(8:00 PM) 9:00 PM 10:00 PM

If you feel there should be a different time for weekends please indicate the time:_____

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

Prowind CANADA

226½ James Street North, Unit A, Hamilton, ON L8R 2L3

Phone: 905-528-1747
Fax: 866-203-6516
Email: info@prowind.ca
Web: www.prowind.ca

[redacted]

February 14, 2012

Dear [redacted]

Thank you for attending the Open House for the South Branch Wind Farm.

At the meeting in December, you completed a survey requesting additional information about bird and bat kills.

The area around the South Branch Wind Farm has been investigated for the presence of birds and bats. Results of both studies indicate that the site is in an area of low risk to bird and bat populations. Further information can be found in the Natural Heritage Report. The Bird and Bat Pre-construction Survey Reports can be accessed online at the following links:

http://prowind.ca/downloads/SBWF_REA2_2/03_C-SBWF_Pre-Construction_Avian_Surveys.pdf
http://prowind.ca/downloads/SBWF_REA2_2/03_D-SBWF_Pre-Construction_Bat_Surveys.pdf

or viewed in hard copy a the following locations:

- Township of South Dundas Municipal Office, 4296 County Road 31, Williamsburg
- Township of Edwardsburgh/Cardinal Municipal Office, 18 Centre Street, Spencerville

Investigation and monitoring of the situation continues after the project is constructed. A protocol for post-construction monitoring of bird and bat mortality has been developed in consultation with the Ministry of Natural Resources (MNR). This protocol involves regular surveys searching for bird and bat carcasses for the first three years following construction. The results of these surveys are summarized in a report that will be submitted annually to the MOE and MNR. The monitoring protocol contains a contingency plan should an unforeseen large-scale mortality event occur. If this occurs, MNR and/or MOE will be notified and mitigation measures will be considered. Some mitigation measures, approved by MNR are discussed in the South Branch Avian and Chiropteran Post-Construction Monitoring Plan. You can see hard copies at the locations noted above or download a copy of the Post-Construction Monitoring Plan here: http://prowind.ca/downloads/SBWF_REA2_2/03_I-SBWF_PostConstructionMonitoring-Birds_and_Bats_2011-10-27.pdf.

Contingency plans to mitigate large number of bird and bat kills include feathering the blades of the turbines or stopping the turbines at certain times of the day or year when high mortality has been recorded. High mortality of birds and bats are not expected at the South Branch Wind Farm, and a plan is in place to verify that expectation.

Thank you again for your comments. I hope that this letter has answered your questions. Should you have any further questions or comments, please don't hesitate to contact us.

Sincerely,

The Prowind Team

Prowind CANADA

South Branch Wind Farm – Public Information Open House

Date: Monday, December 12, 2011 **Location:** Drummond Building
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[redacted] of the form if additional space is needed. All responses are optional

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address: _____

4. Would you like to be added the mailing list to receive future updates on the project? YES NO

5. How close to the South Branch Wind Farm do you live? 0-2km 2-5km 5-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

_____

_____

7. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients. _____

_____

8. The majority, but not all, of construction activity will occur at the proposed turbine sites and away from residences. This will help mitigate sound impacts from machinery at residences. There will be periods, such as when frequent deliveries are being made by heavy trucks on some local roads, that sound impacts will be greater. At what time in the morning do you consider it appropriate for noise producing construction activity to begin?

7:00 AM 7:30 AM 8:00 AM

If you feel there should be a different time for weekends please indicate the time:_____

9. At what time in the evening do you consider it appropriate for noise producing construction activity to conclude?

8:00 PM 9:00 PM 10:00 PM

If you feel there should be a different time for weekends please indicate the time:_____

_____

_____

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10. We will conduct a formal question-and-answer session during our final meetings in January to be held between 6 and 7:30pm on each night. Priority will be given to advance questions in writing from local residents. Please provide any questions you would like us to answer at this session.

What are your plans for dealing with:
(1) Noise & shadow flicker effects on people
(2) Vibration & low frequency noise on farm animals

~~11. Do you have additional~~ comments about South Branch Wind Farm that you wish to share with us?

(3) Flight paths of ducks & geese & bats (Spring & Fall).
(4) Proven health issues that are aggravated or arise
(5) Devaluation of property values short & long term.

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal**

Subject: South Branch Wind Farm - requested information
From: Rochelle Rumney <rrumney@prowind.ca>
Date: 12-02-14 10:19 AM
[redacted]

Hello [redacted]

Thank you for attending our previous open houses for the South Branch Wind Farm. At the meeting in December you requested some additional information on:

1. Noise and Shadow Flicker effects on people
2. Vibration and low frequency noise on farm animals
3. Flight paths of ducks and geese and bats (spring and fall)
4. Proven health issues that are aggravated or arise
5. Devaluation of property values short and long term

1. Noise and Shadow Flicker effects on people

In Ontario the regulated setback is 550 m from any non-participating residence and the noise limit is 40 decibels (dB). The 40 dB number is based on the World Health Organizations' Night Noise Guidelines for Europe. This can be downloaded here: http://www.euro.who.int/__data/assets/pdf_file/0017/43316/E92845.pdf.
Within the introduction of the report it is stated:

"Considering the scientific evidence on the thresholds of night noise exposure ... 40 dB should be the target of the night noise guideline (NNG) to protect the public, including the most vulnerable groups such as children, the chronically ill and the elderly."

Setbacks are above the minimum required by the Province and all non-participating residences are below 40 dB, using conservative modeling. At 550 m and 40 dB the local area residents should not experience and negative effects, health or otherwise, from noise.

Shadow flicker is most concentrated in the area immediately surrounding a turbine and this impact is heavily mitigated by the setbacks in Ontario. The shadow flicker effect decreases in intensity as distance from the turbine increases. Based on local meteorological conditions, shadow flicker is expected to be less than an average of 20 hours annually at any non-participating residence. According to the Epilepsy Foundation of America, flickering or flashing light can trigger seizures at frequencies of 5-30 Hz, while other sources cite frequencies as low as 3 Hz as being problematic. The maximum RPM of a wind turbine at the South Branch Wind Farm is proposed to be 20 RPM, which corresponds to a flicker frequency of 1 Hz, well below the 3 Hz threshold. (Epilepsy Foundation of America. 2010. Accessed Jan 5, 2012 from www.epilepsyfoundation.org/aboutepilepsy/seizures/photosensitivity/index.cfm).

2. Vibration and Low frequency Noise of farm animals

We are not aware of any credible evidence to suggest that farm animals are negatively impacted by sound from wind turbines, and current Renewable Energy Approval requirements do not identify farm animal health as a potential impact from wind projects. We note that many farm animals are exposed to sound and vibration from barn ventilation systems, milking equipment, tractors, corn dryers etc. And livestock can often be found grazing beneath wind turbines in their pastures. A study from Norway in 2004 titled *"Effects of wind turbines on area use and behaviours of semi-domestic reindeer in enclosures"* written by K. Flydal, S. Eftestøl, E. Reimers & J. E. Colman, looks at just this with a popularly farmed species that is very similar to cows/horses in this area. This report can be downloaded here: http://septentrio.uit.no/index.php/rangifer/article/viewFile/301/282. From the abstract:

"Five different groups of reindeer in a 450 m long, 8 hectare, enclosure close to a wind turbine were manipulated by turning the wind turbine rotor on and off, and compared with reindeer in a control enclosure without wind turbine exposure. When exposed to rotor movement, two groups used locations farther from the wind turbine, two groups showed no shift, while one group moved closer to the wind turbine. The reindeer showed no systematic differences in the measured behaviour patterns between the two enclosures that could indicate fright or stress as a consequence of the wind turbine or rotor movement. We conclude that semi-domestic reindeer in an enclosure showed no negative behavioural response and little or no aversion towards a wind turbine."

3. Flight paths of ducks and geese and bats (spring and fall)

Please refer to the South Branch Wind Farm documents outlining the details of the pre-construction bird survey and the pre-construction bat surveys. All reports indicate the site is in an area of low risk to bird and bat populations. http://prowind.ca/downloads/SBWF_REA2_2/03_C-SBWF_Pre-Construction_Avian_Surveys.pdf http://prowind.ca/downloads/SBWF_REA2_2/03_D-SBWF_Pre-Construction_Bat_Surveys.pdf

Investigation and monitoring of the impact to birds and bats continues after the project is constructed. A protocol for post-construction monitoring of bird and bat mortality has been developed in consultation with the Ministry of Natural Resources (MNR). This protocol involves regular surveys searching for bird and bat carcasses for the first three years following construction. The results of these surveys are summarized in a report that will be submitted annually to the MOE and MNR. The monitoring protocol contains a contingency plan should an unforeseen large-scale mortality event occur. If this occurs, MNR and/or MOE will be notified and mitigation measures will be considered. Some mitigation measures, approved by MNR are discussed in the South Branch Avian and Chiropteran Post-Construction Monitoring Plan. These include feathering the blades of the turbines to reduce likelihood of collision or stopping the turbines at certain times of the day or year when high mortality has been recorded. You can access hard copies of these reports at the above noted locations or download a copy of the Post-Construction Monitoring Plan here: http://prowind.ca/downloads/SBWF_REA2_2/03_I-SBWF_PostConstructionMonitoring-Birds_and_Bats_2011-10-27.pdf.

High mortality of birds and bats are not expected at the South Branch Wind Farm, and a plan is in place to ensure that expectation is accurate.

4. Proven health issues that are aggravated or arise

This question assumes that there are proven health issues from wind turbines, which is not true at this point. Evidence continues to come in supporting that "health issues" from wind turbines are more closely linked to attitude toward wind turbines and annoyance from environmental change than anything the turbine itself is emitting. A report is attached titled *"Health effects and wind turbines: A review of the literature"* by Loren Knopper and Chris Ollson. I recall that you attended the public meeting on January 10th, so you know that Mr. Knopper was there presenting the findings of this report and addressing health related questions. Here is an excerpt from the report that highlights the results:

"In peer reviewed studies, wind turbine annoyance has been statistically associated with wind turbine noise, but found to be more strongly related to visual impact, attitude to wind turbines and sensitivity to noise. To date, no peer-reviewed articles demonstrate a direct causal link between people living in proximity to modern wind turbines, the noise they emit and resulting physiological health effects. If anything, reported health effects are likely attributed to a number of environmental stressors that result in an annoyed/stressed state in a segment of the population."

Additionally, a study from Massachusetts was just released in January 2012 and comes to a similar conclusion. That study can be downloaded here: http://www.mass.gov/dep/energy/wind/turbine_impact_study.pdf

5. Devaluation of property values short and long term

There have been recent numerous studies conducted in the vicinity of constructed wind farms that indicate no distinct trend linking proximity to wind farms to property value loss. A 2010 report from Chatham-Kent, Ontario that concludes:

"No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis. Furthermore, this study did not find any consistent evidence from the analyzed data that such a negative correlation exists in the municipality of Chatham-Kent. During the course of gathering data, there were no unusual quantities of rural residential properties listed for sale in the study area. Four unrelated data processes were used in studying the property sales information for Chatham-Kent. The only consistency was that each evaluation methodology found that it was highly unlikely that any type of a causal relationship exists between wind farms and the market values of rural residential real estate."

There is also another study that is even more recent, 2011, but was conducted in Illinois. This study is titled "*The Effect of Wind Farms on Residential Property Values in lee County, Illinois*" written by J. Carter. Similar concerns about property devaluation arose in that area and this study was conducted in response to those concerns. The abstract from this study is copied below. It can be downloaded here: http://renewableenergy.illinoisstate.edu/wind/publications

/2011%20Wind%20Farms%20Effect%20on%20Property%20Values%20in%20Lee%20County.pdf

"Lee County, Illinois experienced significant wind energy development over the last decade. The county is home to the first commercial wind farm constructed in Illinois, which began operation in November of 2003. Additional wind farms began operating in April of 2007 and December of 2009. Although the County has been living with wind development for several years, there is still debate about its effect on residential property values. This study utilizes a hedonic price model to assess the impacts on 1,298 real estate transactions from 1998 to 2010. The analysis indicates that residential properties located near wind turbines in Lee County have not been affected by their presence."

Additionally a large study was conducted in 2009 in the United States that looked at 10 different states and 14 different Counties to identify trends in property value near wind farms. The study is "*The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site hedonic Analysis"* by B. Hoen et al. It can be downloaded here http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf

Below is an excerpt from the Conclusion of the Executive Summary.

"Though each of the analysis techniques used in this report has strengths and weaknesses, the results as a whole are strongly consistent in that none of the models uncovers conclusive evidence of the presence of any of the three property value stigmas that might be present in communities surrounding wind power facilities. Therefore, based on the data sample and analysis presented here, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual homes or small numbers of homes have been or could be negatively impacted, it finds that if these impacts do exist, they are either too small and/or too infrequent to result in any widespread, statistically observable impact. Moreover, to the degree that homes and wind facilities in this sample are similar to homes and facilities in other areas of the United States, the results presented here are expected to be transferable to other areas."

I hope this information is helpful in addressing your concerns. If you'd like additional information on any topic, please don't hesitate to contact us.

Thanks very much,

The Prowind Team

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226 1/2 James St. N., Unit A
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www.prowind.ca

Office: 905.528.1747
Fax: 866.203.6516

Attachments:

Health effects and wind turbines 2011 09 14.pdf 226 KB

Prowind CANADA

South Branch Wind Farm – Public Information Open House

Date: Monday, December 12, 2011 **Location:** Drummond Building
Time: 6:00 pm to 9:00 pm 22 Ryan Street, Spencerville, ON

Please return completed surveys to Prowind Canada Inc.

Address: 226 ½ James Street North, Unit A, Hamilton, ON L8R 2L3 **Fax:** 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? (YES) NO

5. How close to the South Branch Wind Farm do you live? (0-2km) 2-5km 5-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

EMERGENCY PREPAREDNESS & FIRE PREVENTION - ANY PLANS (INCLUDING TRAINING PLANS) ON INTEGRATION WITH LOCAL EMERGENCY SERVICES.

7. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients. _____

8. The majority, but not all, of construction activity will occur at the proposed turbine sites and away from residences. This will help mitigate sound impacts from machinery at residences. There will be periods, such as when frequent deliveries are being made by heavy trucks on some local roads, that sound impacts will be greater. At what time in the morning do you consider it appropriate for noise producing construction activity to begin?

7:00 AM 7:30 AM (8:00 AM)

If you feel there should be a different time for weekends please indicate the time: 9:00 AM.

9. At what time in the evening do you consider it appropriate for noise producing construction activity to conclude?

(8:00 PM) 9:00 PM 10:00 PM

If you feel there should be a different time for weekends please indicate the time: 6:00 PM.

THIS SHOULD INCLUDE NOISE PRODUCED BY THE TURBINES.

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

Subject: South Branch Wind Farm - requested information
From: Rochelle Rumney <rrumney@prowind.ca>
Date: 12-02-14 2:37 PM
[redacted]

Dear [redacted]

Thank you for attending the Open Houses for the South Branch Wind Farm. At the meeting in December, you completed a survey requesting additional information regarding emergency preparedness and fire prevention.

As part of the approvals process for the South Branch Wind Farm, we will be required to create an emergency response and communication plan closer to the construction date. Some procedures will be finalized in collaboration with the turbine manufacturer, the local emergency services, and the turbine construction, operation, and decommissioning team. A sample Emergency Preparedness and Fire Prevention template as adapted by General Electric to each specific wind farm is included as an appendix to the Design and Operations report for reference. This template gives the general idea of what will be prepared once a turbine model is selected and negotiations with local services have been completed.

Local emergency services will not be responsible for emergencies within the turbines itself. The trained Operations and Maintenance staff will be solely responsible for turbine emergencies. Local emergency services may be responsible for ensuring fires do not spread to areas outside the turbine and/or taking over a designated point on the ground.

Thank you again for your comments. I hope that this message has answered your questions. Should you have any further questions or comments, please don't hesitate to contact us.

Sincerely,

The Prowind Team

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Prowind Canada Inc.
226 1/2 James St. N., Unit A
Hamilton, ON L8R 2L3
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Office: 905.528.1747
Fax: 866.203.6516

Prowind CANADA

South Branch Wind Farm – Public Information Open House

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Address: 226 ½ James Street North, Unit A, Hamilton, ON L8R 2L3 **Fax:** 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? (YES) NO

5. How close to the South Branch Wind Farm do you live? (0-2km) 2-5km 5-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

attached copy

7. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients. _____

8. The majority, but not all, of construction activity will occur at the proposed turbine sites and away from residences. This will help mitigate sound impacts from machinery at residences. There will be periods, such as when frequent deliveries are being made by heavy trucks on some local roads, that sound impacts will be greater. At what time in the morning do you consider it appropriate for noise producing construction activity to begin?

7:00 AM 7:30 AM (8:00 AM)

If you feel there should be a different time for weekends please indicate the time:_____

9. At what time in the evening do you consider it appropriate for noise producing construction activity to conclude?

(8:00 PM) 9:00 PM 10:00 PM

If you feel there should be a different time for weekends please indicate the time:_____

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

10. We will conduct a formal question-and-answer session during our final meetings in January to be held between 6 and 7:30pm on each night. Priority will be given to advance questions in writing from local residents. Please provide any questions you would like us to answer at this session.

11. Do you have additional comments about South Branch Wind Farm that you wish to share with us?

Attached. copies

[redacted]

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal**

DO YOU STILL OWN THE RIGHTS TO THE PROJECT OR HAVE YOU SOLD TO ANOTHER COMPANY TO INSTALL ?

WHO PAYS THE AMOUNT OF TAXES ON THE WIND TURBINES - IS IT BASED ON MARKET VALUE OR HOW IS IT ASSESSED.
IS IT BASED ON REAL VALUE OF THE INSTALLATION?

WHY IS THE TURBINES SPREAD OUT? IT THEIR A SECOND PHAZE.

DO YOU CHANGE THE LAND OWENSHIP TO COMMERCIAL PROPERTY OR DOES THE LANDOWNER CHANGE THE ZONNING.

DEBRIS,EG ICE THROW HOW FAR CAN IT FLY IF NOT TURNED OFF IMMEDICIATELY?

WHY IS THERE NO LOCAL PLANNING FOR WIND TRUBINES EVEN THE NUMBER OF TURBINES BY THE LOCAL PUBLIC. WE CANNOT SEEM TO CHANGE ANYTHING ONCE IT IS IMPLEMENTED. I HAVE EXPRESSED CONCERN ABOUT PLACEMENT IN THE BRINSTON , DIXON AREA AS IT AFFECTES A NUMBER OF HOMES.
MANY OF THE EUROPEAN COUNTY'S ARE USING A LARGER SET BACK FROM THE HOMES , WHY ARE NOT INCORPERATING THIS IN YOUR PLANS. MOST WOULD LIKE TO SEE 2 K OR 1.5 K AWAY FROM BUILDINGS. SHOULD NOT THE SET BAC K BE BASED ON THE SIZE OF WIND TURBINE.
HOW FAR DOES THE FLICKER REACH?

EVEN THOUGH YOU EXPRESS IT WILL NOT AFFECT THE PROPERTY VALES IT HAS BEEN PROVEN THAT HOMES CLOSES TO THE TURBINES ARE SLOW TO SELL AND USUALLY SOLD AT A REDUCED RATE. SOMETIMES THE TURBINES COMPANY'S HAS PURCHASED THE HOMES WITH A CLAUSE THAT THE PURCHASER CAN NOT COMPLAIN. NO RECOURSE.
WHAT ABOUT COMPENSATION FOR THE HOUSES NEAREST TO THE WIND TURBINES. MOST OF US ARE NEAR RETIREMENT AND PLAN TO SELL PROPERTY FOR A RETIREMENT INCOME. HOW DO YOU PLAN TO HELP US. IT HAS BEEN PROVEN THAT HOMES CLOSEST TO THE TURBINES ARE REDUCED DO TO PEOPLE NOT WANTING TO PURCHASE HOME CLOSE TO THE TURBINES.

BY PLACING THIS TURBINE THERE CAN BE NO MORE NEW CONSTRUCTION IN THE BRINSTON DIXON AREA DUE TO PLACMENT OF THE WIND TURBINE. FUTURE LOSS OF INCOME FOR THE TOWNSHIP. IF THE TURBINES WERE MOVED TO THE FARM LAND TO THE NORTH IT WOULD PROVIDE A OPEN AREA TO POSSIBLE DEVELOPMENT.

WHAT IS THE DOTTED LINES AREA AROUND OUR HOMES.

HOW FAR ARE THE WIND TURBINES FROM MY PROPERTY. HOW FAR FROM MY FARM LAND – IT IS ACROSS THE ROAD FROM MY PROPERTY

[redacted]

SUBSTATION – HOW MUCH MORE NOISE POLUTION WILL BE HEARD FROM IT. HOW LARGE IS THE OVERHEAD CABLES RUNNING ALONG THE ROADWAYS. \

WOULD YOU CONSIDER DROPPING THE TURBINE BETWEEN BRINSTON AND DIXON DUE TO NUMBER OF HOMES LOCATED IN THE AREA. I AM CONCERNED ABOUT HEALTH EFFECTS NOW IT HAS BEEN DOCUMENTED THAT IT CAN AFFECT OUR HEALTH AND PROPERTY VALUES. PLEASE RECONSIDER OUR REQUEST AS I WILL REGISTURE A FORMAL REQUEST.

COPY

DOUG PRICE, Director of Public Works
ROADS TELEPHONE: (519) 941-1065
FAX: (519) 941-1802

SUSAN M. STONE, C.A.O./Clerk-Treasurer
TELEPHONE: (519) 941-1007
FAX: (519) 941-1802
email: suestone@amaranth-eastgary.ca

TOWNSHIP OF AMARANTH

RR 7, Orangeville, ON L9W 2Z3

April 5, 2011

Honourable John Wilkinson
Minister of the Environment
77 Wellesley Street West
11th Floor, Ferguson Block
Toronto, Ontario M7A 2T5

Honourable John Wilkinson:

Let us first express our appreciation for the time that you and your colleagues spent with us at the Good Roads Conference in Toronto. We would like to take this opportunity to summarize our presentation and our understanding of the many discussion points.

Points to Register:

1. The Amaranth Council has always been fully in support of all Green Energy sources. The question is where are these projects best located so that they do not negatively affect neighbouring residents.
2. Amaranth Council at the start of the Environmental Assessment process for a wind turbine farm many years ago formally requested by motion to your Ministry that human and animal health baseline studies and real estate baseline studies be included in the Environmental Assessment Process. The need for these studies was rejected.
3. The current wind farm in the Township of Amaranth was approved through an Ontario Municipal Board process.

4. There is no question that the impact of wind turbines and the transformer that connects this power to the grid have negatively affected the health and wealth of neighbouring residents.
5. The Council of the Township of Amaranth is opposed to any further wind turbine projects until the negative impacts of the current wind farm are corrected.

Issue 1:

We cannot support any development project where the tenants (lessee's) have more power under the Green Energy Act to negatively disrupt the health and wealth of permanent long-term residents of this Province. It is incumbent upon you and your Ministry to force wind farms into permanent land ownership arrangements whereby the disruption to neighbours is minimized. In other words, wind farm owners should be forced to buy the land like any other developer with appropriate compensation for adjacent neighbours. Spreading wind turbines across the landscape negatively impacts the health and wealth of 5-10 neighbouring landowners per turbine/transformer, their families and their animals. **This solution of land ownership and amalgamation of turbines on that land is clearly within your Provincial powers and a moratorium should be enacted immediately to implement this solution.**

Issue 2:

The health and wealth impacts of the transformer on three neighbouring families has been well documented and repeatedly articulated by this Council, the residents and your Ministry representatives. Your Ministry failed to issue a Certificate of Approval nor did they undertake a thorough Environmental Assessment at the time of installation and operation of the transformer. This was discovered much later during the Ontario Municipal Board hearings. In other words, due diligence, procedures and rules were not followed by your Ministry and three families are suffering the consequence. Two of the families have had to leave their homes. Many expert solutions have been tried to alleviate the low frequency noise and vibration problems and all have failed. In other words, there is no question that the

transformer is negatively impacting the health and wealth of three neighbouring families. **The solution is really quite simple - It is clearly your Ministry's responsibility to find the ways and means to either relocate the transformer or the neighbouring families.**

Issue 3:

The setbacks in the Green Energy Act are not sufficient to protect the health and wealth of neighbouring families. The 5 km. setback in the lake directly invalidates the setback of 550 meters on land. The excuse that the science is not well understood to protect drinking water in the lake is no different from that on land. In this area, we all drink from the groundwater and if 73,000 litres of radioactive water spilled into Lake Ontario and apparently this will not damage the drinking water, then clearly a 5 km. offshore wind farm is the least of your worries. Clearly, the setbacks of wind turbines on land are not sufficient from houses, property lines and roadways. Our experience supports this conclusion and the impacts of wind turbines have negatively affected the health and wealth of neighbouring families. **The wind turbines need to relocate onto lands purchased by the developer with appropriate compensation for neighbourning families along with greater setbacks.** For example, the newly proposed Whittington wind farm in the municipality of Amaranth will negatively impact workers in the neighbouring industrial spinach farm operations. Workers will not work in conditions detrimental to their health.

Issue 4:

Why would anyone locate wind turbines in the tornado capital of Canada? Yes, Dufferin County is the tornado capital of Canada. The atmospheric wind studies that are undertaken for two years on site are incapable of detecting long term repetitive extreme wind and freezing rain/icing conditions. Only through long-term climatological studies do the risk to human and animal lives become apparent and hence, the reasons to avoid spreading turbines across the landscape in the tornado capital of Canada. These facts should have emerged during the Environmental Assessment process conducted by your Ministry. **Not only should**

this area be prohibited from the development of future wind turbines but the existing need to be relocated together and away from neighbouring families.

Issue 5:

Because the wind turbines are scattered throughout the landscape, adjacent properties and their future building envelopes have been sterilized by the nearness to the existing wind turbines. This reverse setback has negative impacts on property owners wishing to develop their properties and in many cases to build their retirement home. These sterilized properties of landowners, owing to adjacent wind turbines tenants, are clearly a negative impact and again raises the fundamental question of the rights of a permanent landowner versus a tenant in the Province of Ontario under the Green Energy Act. **The solution is simple - Force the wind farm developers to adhere to the same planning process as other developers.**

Issue 6:

As you are aware, there has been a 50% reduction in landowner's property taxes because of the noise and vibration impacts on his property, his health and wealth. This adds to the undisputed proof and responsibility for your Ministry to take action. In addition, houses have been purchased by the wind farm because of the noise and vibration from the nearby turbines. Likewise, the hours of operation of a number of wind turbines have been curtailed, and one house adjacent to a turbine was deemed uninhabitable and the company bought out the owners. It is unacceptable that an industrial use should force the residents to have to uproot and leave the area. **Collectively, your Ministry, knowing all of this information, need not sidestep the negative impacts on neighbours' health and wealth issues any longer. The time for serious corrective action is already overdue.**

Issue 7:

It was reassuring to hear you indicate that the views and conclusion of our municipality will be taken into account in any new proposed wind energy development. **Given the negative impacts of the current wind farm in the Township of Amaranth, it is understandable that this Council does not support any future wind turbine installations (eg. Whittington Wind Farm) until significant problems with the current wind turbines and transformer are resolved by the Ministry.**

Thank you again for the opportunity to meet with you and your colleagues during the Ontario Good Roads conference in Toronto. We look forward to your response to our many issues and if we can assist with further explanations or discussions please let us know.

Sincerely

Mayor Don MacIver
Council of the Township of Amaranth
Province of Ontario

Subject: South Branch Wind Farm - requested information
From: Rochelle Rumney <rrumney@prowind.ca>
Date: 12-02-14 2:48 PM
[redacted]

Dear [redacted]

Thank you for attending the Open Houses for the South Branch Wind Farm. I understand that you have had the chance to ask many of these questions in person. I hope the included information below is also helpful. Please don't hesitate to contact us if you have any further questions.

At the meeting in December, you completed a survey requesting additional information, and attached a number of questions. I have included these questions and our answers below:

1. *"Do you still own the rights to the project or have you sold to another company to install?"*

Prowind is currently the owner of the South Branch Wind Farm.

2. *"Who pays the amount of taxes on the wind turbines - is it based on market value or how is it assessed. Is it based on the real value of the installation?"*

In Ontario, wind turbines have an assessed value of $40,000 per megawatt plus the equivalent of an acre of industrial zoned land per turbine. Property tax is based on this assessed value. Prowind will be paying the property tax due on the wind farm.

3. *"Why is the turbines spread out? It their a second phaze."*

The turbine locations were determined based on the following factors:
* location of interested landowners
* location of sensitive features (eg: floodplain, forests, streams)
* location of nearby residences
* wind resource

There is no second phase planned for this project.

4. *"Do you change the land ownership to commercial property or does the landowner change the zonning."*

The Green Energy Act eliminated the need for the zoning changes for renewable energy projects. No zoning change is required.

5. *"Debris, eg ice throw how far can it fly if not turned off immediciately?"*

In response to some concerns by both the municipalities and the public, we commissioned an ice throw report from a specialized consultant, Zephyr North. Their analysis used several conservative assumptions along with the wind and weather conditions in this area and came up with a statement of risk from ice throw at the South Branch Wind Farm.

The report included an analysis of the risk to Byker Rd. To account for future upgrades and increased future traffic flow, the risk included the assumption that 100 cars a day travelled down this road.

If the turbine is spinning and ice is thrown from a blade, *"…the annual likelihood of an ice-vehicle impact is 0.0013, i.e., one impact every 785 years."* As discussed at the previous meeting, it is good practice, for safety and to prevent machine damage, to shut the turbine down if ice is detected. When the turbine is stationary, *" …the annual likelihood of vehicle impact … reduces to 0.0010, or one impact every 985 years."*

As you can see, the risk from ice throw is very low even when traffic conditions are assumed to be higher than the current volume. I have attached the full report for your review.

6. *"Why is there no local planning for wind turbines even the number of turbines by the local public. We cannot seem to change anything once it is implemented. I have expressed concern about placement in the Brinston, Dixon area as it affectes a number of homes. Many of the European county's are using a larger set back from the homes, why are not incorperating this in your plans. Most would like to see 2 k or 1.5 K away from buildings. Should not the set bac k be based on the size of wind turbine."*

Consultation with the public, and response by the developer, is a mandatory part of developing a wind farm and a priority for Prowind. More than the required two public meetings have been held for the South Branch Wind Farm. Concerns about legislation needs to be addressed to the Ministry of the Environment, as Prowind is not able to change legislation.

The minimum setback set out by the Ministry of the Environment is 550 m. However, the actual setback can be greater depending on the results of noise modeling. In this way, the setback depends on the size of the wind turbine, as larger turbines produce more noise. Prowind has performed noise modeling to ensure that the wind farm meets the Ministry of the Environment noise guidelines.

If you have concerns about these guidelines, you should contact the Ministry of the Environment directly, as Prowind has no ability to change legislation.

7. *"How far does the flicker reach?"*

The distance at which shadow flicker is visible depends on the size of turbine and the size of blade. Once the turbine covers less than 20% of the visible sun, shadow flicker is not easily noticeable. For a turbine with a 100 m rotor diameter - the largest proposed at South Branch - shadow flicker is not noticeable when you are over 2 km from the turbines.

Shadow flicker is not produced everywhere within 2 km of each turbine. The locations affected by shadow flicker are determined by the passage of the sun. Fortunately, the location of the sun relative to the turbines is a well understood geometric problem. Shadow flicker modeling has been undertaken to determine the areas in which shadow flicker will be experienced.

In this area, based on the historical sunshine data, no more than 20 hours of shadow flicker should be experienced at any household in the local area, usually only a few minutes a day. This is primarily during the early and late sunshine hours of the day, when the sun is lowest on the horizon.

8. *"Even though you express it will not affect the **property vales** it has been proven that homes closes to the turbines are slow to sell and usually sold at a reduced rate. Sometimes the turbines company's has purchased the homes with a clause that the purchaser can not complain. No recourse.*
"What about compensation for the houses nearest to the wind turbines. Most of us are near retirement and plan to sell property for a retirement income. How do you plan to help us. It has been proven that homes closest to the turbines are reduced do to people not wanting to purchase home close to the turbines."

There have been recent numerous studies conducted in the vicinity of constructed wind farms that indicate no distinct trend linking proximity to wind farms to property value loss. I have attached a recent report on this topic. This 2010 report from Chatham-Kent, Ontario that concludes:

"No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis. Furthermore, this study did not find any consistent evidence from the analyzed data that such a negative correlation exists in the municipality of Chatham-Kent. During the course of gathering data, there were no unusual quantities of rural residential properties listed for sale in the study area. Four unrelated data processes were used in studying the property sales information for Chatham-Kent. The only consistency was that each evaluation methodology found that it was highly unlikely that any type of a causal relationship exists between wind farms and the market values of rural residential real estate."

There is also another study that is even more recent, 2011, but was conducted in Illinois, USA. This study is titled "*The Effect of Wind Farms on Residential Property Values in Lee County, Illinois*" by J. Carter. Similar concerns about property devaluation arose in that area and this study was conducted in response to those concerns. The abstract from this study is copied below. It can be downloaded here: http://renewableenergy.illinoisstate.edu/wind/publications/2011%20Wind%20Farms%20Effect%20on%20Property%20Values%20in%20Lee%20County.pdf

“Lee County, Illinois experienced significant wind energy development over the last decade. The county is home to the first commercial wind farm constructed in Illinois, which began operation in November of 2003. Additional wind farms began operating in April of 2007 and December of 2009. Although the County has been living with wind development for several years, there is still debate about its effect on residential property values. This study utilizes a hedonic price model to assess the impacts on 1,298 real estate transactions from 1998 to 2010. The analysis indicates that residential properties located near wind turbines in Lee County have not been affected by their presence.”

Additionally a large study was conducted in 2009 in the United States that looked at 10 different States and 14 different Counties to identify trends in property value near wind farms. The study is “*The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site hedonic Analysis”* by B. Hoen et al. It can be downloaded here http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf

Below is an excerpt from the Conclusion of the Executive Summary of the above noted report:

“Though each of the analysis techniques used in this report has strengths and weaknesses, the results as a whole are strongly consistent in that none of the models uncovers conclusive evidence of the presence of any of the three property value stigmas that might be present in communities surrounding wind power facilities. Therefore, based on the data sample and analysis presented here, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual homes or small numbers of homes have been or could be negatively impacted, it finds that if these impacts do exist, they are either too small and/or too infrequent to result in any widespread, statistically observable impact. Moreover, to the degree that homes and wind facilities in this sample are similar to homes and facilities in other areas of the United States, the results presented here are expected to be transferable to other areas.”

9. *"By placing this turbine there can be no more new construction in the Brinston Dixon area due to placement of the wind turbine. Future loss of income for the township. If the turbines were moved to the farm land to the North it would provide an open area to possible development."*

Turbine placement must take into account any vacant lots that are zoned to allow construction. Any vacant lot was treated as though it already had a residence built on it. This was done to ensure that future development is possible on neighbouring lands.

10. *"What is the dotted lines area around our homes."*

As discussed at the open house, the dotted line you refer to is the “study area”. This is an area that comes within 120 m of any infrastructure that is part of the project, such s roads, cables, overhead cables, turbines, etc. Within the Town of Brinston itself, where most of the homes are located, will be an overhead line, added to the existing Hydro One poles. We are required to study 120 m from that line and the dotted line identifies this study area.

11. *"How far are the wind turbines from my property. How far from my farm land - it is across the road from my property"*

These are the numbers we discussed at the meeting in January:

- 4178 Brinston Road: approximately 700 m
- 11032 Gilmour Road: approximately 830 m
- 11022 Gilmour Road: approximately 850 m
- 11039 Gilmour Road: approximately 830 m

12. *"Substation - How much more noise polution will be heard from it."*

Transformers of the size to be installed at the South Branch Wind Farm generally emit sound levels of 70 dB or below. The relatively low sound levels in combination with their location near the ground mean that they do not tend to produce sound that is discernable at residences nearby. This transformer is considered too quiet to require modeling by the Ministry of the Environment.

For reference, the Melancthon substation is many times larger, and operates at a much higher voltage and sound level than the one to be used at the South Branch Wind Farm.

13. *"How large is the overhead cables running along the roadways."*

The grounding cable will be the same size as the existing Hydro One cable. Other cables will be either the same size as cables already running along the road or smaller.

It is possible that these cables will be buried. Consultation with the municipality and Hydro One is ongoing.

14. *"Would you consider dropping the turbine between Brinston and Dixon due to the number of homes located in the area. I am concerned about health effects now it has been documented that it can affect our health and property values. Please reconsider our request as I will registure a formal request."*

The area around the turbine between Brinston and Dixon has been studied in depth by our team and our hired consultants. The location is appropriate, and complies with all relevant legislation.

Property values are discussed above.

I have attached a report for your review that discusses the latest findings with respect to wind turbines and health effects. Here is a summary of this document:

Health effects and wind turbines: A review of the literature
A review of available scientific and popular literature was published by Ontario analysts in September 2011. In the words of the authors "The purpose of this paper is to review the peer-reviewed scientific literature, government agency reports, and the most prominent information found in the popular literature." Some of the important results and conclusions are:

"To date, no peer reviewed articles demonstrate a direct causal link between people living in proximity to modern wind turbines, the noise they emit and resulting physiological health effects. If anything, reported health effects are likely attributed to a number of environmental stressors that result in an annoyed/stressed state in a segment of the population. In the popular literature, self reported health outcomes are related to distance from turbines and the claim is made that infrasound is the causative factor for the reported effects, even though sound pressure levels are not measured."

"…it appears that it is the change in the environment that is associated with reported health effects and not a turbine specific variable like audible noise or infrasound."

Letter to Hon. John Wilkinson from Amaranth Council
Finally, you included a letter from the Amaranth Council to the Honourable John Wilkinson expressing various concerns regarding wind power. This letter covered various issues:

The main concern of this letter seems to be health effects. See above for our summary of the latest peer-reviewed scientific studies of health effects due to turbines.

Issue 1: The Green Energy Act: The provincial government is, indeed, the correct body to address these concerns. We are unable to effect changes to legislation.

Issue 2: Transformer noise effects: As mentioned above, the transformer(s) used at the Melancthon project are significantly larger and louder than those proposed for the South Branch Wind Farm. Under current rules, the Melancthon transformer would need to be included as a noise source in the required noise modeling for approval by the MOE. The South Branch transformer is much smaller, and is thus explicitly excluded from modeling by the MOE.

Issue 3: Setbacks: Again, this is an issue best addressed by the Ministry of the Environment, since the setback rules were generated by them. However, the 550 m setbacks are quite high relative to setbacks applied in other countries. Additionally, the actual resultant setbacks may be higher, depending on the noise level of the turbine and the available space. Prowind has performed noise modeling studies based on a worst case scenario. This modeling must be approved by the Ministry of the Environment prior to turbine construction.

Prowind is committed to ensuring that the South Branch Wind Farm meets or does better than the standards for noise laid out by the Ministry.

Issue 4: Extreme weather and long term predictions: Knowledge about long term weather patterns is important when selecting a turbine model. Specific models are rated for specific maximum wind gusts. In order to calculate this, long term data is examined. Typically, Environment Canada weather data is used to supplement the data collected by on-site meteorological towers. This allows the manufacturer to know what long term weather patterns will be like, so that they can ensure that an appropriate turbine is installed.

Issue 5: Property "sterilization": This issue poses a question that is very similar to yours above in Question 9. When performing noise modeling, Prowind assumed that any lot without a residence that was nonetheless zoned to permit construction of a residence, should be modeled as if a residence were constructed in a likely position on this lot. This approach ensures that landowners continue to be able to construct residences on vacant lots should they so choose.

Issue 6: Property values and noise: Please let us know if you have questions that have not been addressed above.

Issue 7: Public/municipal consultation: The views and conclusions of the municipality and the public must be taken into account in any new proposed wind energy development. Public consultation is a mandatory part of the Renewable Energy Approval process that is mandatory for any new wind farm.

Thank you again for your comments. I hope that this message has answered your questions. Should you have any further questions or comments, please don't hesitate to contact us.

Sincerely,

The Prowind Team

--

Prowind Canada Inc.
226 1/2 James St. N., Unit A
Hamilton, ON L8R 2L3
www.prowind.ca

Office: 905.528.1747
Fax: 866.203.6516

Attachments:

South Branch Wind Farm Ice Throw Report 2012 01 23.pdf	490 KB
Chatham Kent Property Value Study 2010.pdf	541 KB
Health effects and wind turbines 2011 09 14.pdf	226 KB

Prowind CANADA

South Branch Wind Farm – Public Information Open House

Date: Monday, December 12, 2011 **Location:** Drummond Building
Time: 6:00 pm to 9:00 pm 22 Ryan Street, Spencerville, ON

Please return completed surveys to Prowind Canada Inc.

Address: 226 ½ James Street North, Unit A, Hamilton, ON L8R 2L3 **Fax:** 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name [redacted] 2. Email: [redacted]

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? (YES) NO

5. How close to the South Branch Wind Farm do you live? (0-2km) 2-5km 5-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

on all topics.

7. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients.

8. The majority, but not all, of construction activity will occur at the proposed turbine sites and away from residences. This will help mitigate sound impacts from machinery at residences. There will be periods, such as when frequent deliveries are being made by heavy trucks on some local roads, that sound impacts will be greater. At what time in the morning do you consider it appropriate for noise producing construction activity to begin?

7:00 AM 7:30 AM (8:00 AM)

If you feel there should be a different time for weekends please indicate the time: 9:00am - 4pm

9. At what time in the evening do you consider it appropriate for noise producing construction activity to conclude?

8:00 PM 9:00 PM 10:00 PM (5pm)

If you feel there should be a different time for weekends please indicate the time: 3pm

The times I have stated are the time's when most homeowners start to enjoy the country home.

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

10. We will conduct a formal question-and-answer session during our final meetings in January to be held between 6 and 7:30pm on each night. Priority will be given to advance questions in writing from local residents. Please provide any questions you would like us to answer at this session.

- what % of people have Ill health affects. and how do you plan to react to that #
- tell me how you feel about the fact that my family could become a statistic for Ill side affects.

11. Do you have additional comments about South Branch Wind Farm that you wish to share with us?

at the meetings I have attended you stated that "some people can have ill affects" to me & I don't want my 14 year old son, my 10 year old dwgter or my wife to be one of those people. Please don't make my family a statistic.

[redacted]

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal**

Subject: South Branch Wind Farm - requested information
From: Rochelle Rumney <rrumney@prowind.ca>
Date: 12-02-14 10:56 AM
[redacted]

Hello [redacted]

Thank you for attending our previous open houses for the South Branch Wind Farm. You requested information on all topics. We have included recent and relevant reports on health, property value, ice throw, birds and sound/infrasound.

Health

A report is attached titled *"Health effects and wind turbines: A review of the literature"* by Loren Knopper and Chris Ollson. I recall that you attended the public meeting on January 10th, so you know that Mr. Knopper was there presenting the findings of this report and addressing health related questions. Here is an excerpt from the report that highlights the results:

"In peer reviewed studies, wind turbine annoyance has been statistically associated with wind turbine noise, but found to be more strongly related to visual impact, attitude to wind turbines and sensitivity to noise. To date, no peer-reviewed articles demonstrate a direct causal link between people living in proximity to modern wind turbines, the noise they emit and resulting physiological health effects. If anything, reported health effects are likely attributed to a number of environmental stressors that result in an annoyed/stressed state in a segment of the population."

Additionally, a study from Massachusetts was just released in January 2012 and comes to a similar conclusion. That study can be downloaded here: http://www.mass.gov/dep/energy/wind/turbine_impact_study.pdf

Property Value

There have been recent numerous studies conducted in the vicinity of constructed wind farms that indicate no distinct trend linking proximity to wind farms to property value loss. I have attached a recent report on this topic. This 2010 report from Chatham-Kent, Ontario that concludes:

"No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis. Furthermore, this study did not find any consistent evidence from the analyzed data that such a negative correlation exists in the municipality of Chatham-Kent. During the course of gathering data, there were no unusual quantities of rural residential properties listed for sale in the study area. Four unrelated data processes were used in studying the property sales information for Chatham-Kent. The only consistency was that each evaluation methodology found that it was highly unlikely that any type of a causal relationship exists between wind farms and the market values of rural residential real estate."

There is also another study that is even more recent, 2011, but was conducted in Illinois, USA. This study is titled "*The Effect of Wind Farms on Residential Property Values in Lee County, Illinois*" by J. Carter. Similar concerns about property devaluation arose in that area and this study was conducted in response to those concerns. The abstract from this study is copied below. It can be downloaded here: http://renewableenergy.illinoisstate.edu/wind/publications/2011%20Wind%20Farms%20Effect%20on%20Property%20Values%20in%20Lee%20County.pdf

"Lee County, Illinois experienced significant wind energy development over the last decade. The county is home to the first commercial wind farm constructed in Illinois, which began operation in November of 2003. Additional wind farms began operating in April of 2007 and December of 2009. Although the County has been living with wind development for several years, there is still debate about its effect on residential property values. This study utilizes a hedonic price model to assess the impacts on 1,298 real estate transactions from 1998 to 2010. The analysis indicates that residential properties located near wind turbines in Lee County have not been affected by their presence."

Additionally a large study was conducted in 2009 in the United States that looked at 10 different States and 14 different Counties to identify trends in property value near wind farms. The study is "*The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site hedonic Analysis"* by B. Hoen et al. It can be downloaded here http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf

Below is an excerpt from the Conclusion of the Executive Summary of the above noted report:

"Though each of the analysis techniques used in this report has strengths and weaknesses, the results as a whole are strongly

consistent in that none of the models uncovers conclusive evidence of the presence of any of the three property value stigmas that might be present in communities surrounding wind power facilities. Therefore, based on the data sample and analysis presented here, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual homes or small numbers of homes have been or could be negatively impacted, it finds that if these impacts do exist, they are either too small and/or too infrequent to result in any widespread, statistically observable impact. Moreover, to the degree that homes and wind facilities in this sample are similar to homes and facilities in other areas of the United States, the results presented here are expected to be transferable to other areas."

Ice Throw

In response to some concerns by both the municipalities and the public, we commissioned an ice throw report from a specialized consultant, Zephyr North. Their analysis used several conservative assumptions along with the wind and weather conditions in this area and came up with a statement of risk from ice throw at the South Branch Wind Farm.

The report included an analysis of the risk to Byker Rd. To account for future upgrades and increased future traffic flow, the risk included the assumption that 100 cars a day traveled down this road.

If the turbine is spinning and ice is thrown from a blade, *"…the annual likelihood of an ice-vehicle impact is 0.0013, i.e., one impact every 785 years."* As discussed at the previous meeting, it is good practice, for safety and to prevent machine damage, to shut the turbine down if ice is detected. When the turbine is stationary, *" …the annual likelihood of vehicle impact … reduces to 0.0010, or one impact every 985 years."*

As you can see, the risk from ice throw is very low even when traffic conditions are assumed to be higher than the current volume. I have attached the full report for your review.

Birds

The area around the South Branch Wind Farm has been investigated for the presence of birds and bats. Results of both studies indicate that the site is an area of low risk to bird and bat populations. Further information can be found in the Bird and Bat Pre-construction Survey reports that can be accessed online at the following links:

http://prowind.ca/downloads/SBWF_REA2_2/03_C-SBWF_Pre-Construction_Avian_Surveys.pdf
http://prowind.ca/downloads/SBWF_REA2_2/03_D-SBWF_Pre-Construction_Bat_Surveys.pdf

or viewed in hard copy a the following locations:

- Township of South Dundas Municipal Office, 4296 County Road 31, Williamsburg
- Township of Edwardsburgh/Cardinal Municipal Office, 18 Centre Street, Spencerville

Investigation and monitoring of the impact to birds and bats continues after the project is constructed. A protocol for post-construction monitoring of bird and bat mortality has been developed in consultation with the Ministry of Natural Resources (MNR). This protocol involves regular surveys searching for bird and bat carcasses for the first three years following construction. The results of these surveys are summarized in a report that will be submitted annually to the MOE and MNR. The monitoring protocol contains a contingency plan should an unforeseen large-scale mortality event occur. If this occurs, MNR and/or MOE will be notified and mitigation measures will be considered. Some mitigation measures, approved by MNR are discussed in the South Branch Avian and Chiropteran Post-Construction Monitoring Plan. These include feathering the blades of the turbines to reduce likelihood of collision or stopping the turbines at certain times of the day or year when high mortality has been recorded. You can access hard copies of these reports at the above noted locations or download a copy of the Post-Construction Monitoring Plan here: http://prowind.ca/downloads/SBWF_REA2_2/03_I-SBWF_PostConstructionMonitoring-Birds_and_Bats_2011-10-27.pdf.

High mortality of birds and bats are not expected at the South Branch Wind Farm, and a plan is in place to ensure that expectation is accurate.

Sound/Infrasound

A report commissioned by the Ontario Ministry of the Environment in 2010 looks at literature of sound and infrasound from wind turbines. Below is an excerpt from the Executive Summary of the report titled *"Low Frequency Noise and Infrasound Associated*

with Wind Turbine Generator Systems: A literature review". This report can be downloaded here: http://www.ene.gov.on.ca/stdprodconsume/groups/lr/@ene/@resources/documents/resource/stdprod_092086.pdf

"Modern wind turbines produce broadband noise. In relation to human perception of the sound, the dominant frequency range is not in the low frequency or infrasonic ranges. Nonetheless, in the low frequency range, it should be expected that low frequency sound due to aerodynamic sources will routinely be an audible component of the acoustic impact. In instances where audible acoustic tones are present, these tones are typically in the low frequency range.

In the infrasonic range, at frequencies less than about 20 Hz, there is strong evidence that the sound pressure levels produced by modern upwind turbines will be well below the average threshold of human hearing at the setback distances typical in Ontario. Although some authors have concerns, most literature dealing with the subject indicates that infrasonic noise below the threshold of hearing will have no effect on health. As such, infrasound from wind turbines is not normally expected to be heard by humans or pose an issue for human health."

Ontario's noise regulations call for a maximum 40 dB at the outside of the house at a second story level under foreseeable worst-case scenario. This number is based on the World Health Organizations' Night Noise Guidelines for Europe. This guideline document can be downloaded here: http://www.euro.who.int/__data/assets/pdf_file/0017/43316/E92845.pdf. Within the introduction of the report it is stated:

"Considering the scientific evidence on the thresholds of night noise exposure … 40 dB should be the target of the night noise guideline (NNG) to protect the public, including the most vulnerable groups such as children, the chronically ill and the elderly"

The project is conservatively designed to meet provincial regulations.

You also had the following questions:

- *What percentage of people have ill health effects and how do you plan to react to that number?*

There are no studies available that look at the percentage of people who claim ill health effects from wind turbines. The statistic that is available is the number of people that are annoyed and that seems to be about 10%. This corresponds to a general annoyance level in the wider population of about 8-10% of people who are annoyed by any external sound that exists in the environment, be it traffic, planes, etc.

- *Tell me how you feel about the fact that my family could become a statistic for ill side effects.*

According to all available research, there is no reason to believe you or your family will become ill from the wind farm. According to our mapping, your home is more than 1.5 km from the nearest turbine, which is well above the minimum required setback of 550 m. This Provincial regulation is a conservative setback distance and based on all available global information for sufficient setback distances.

If you or your family do have complaints about the wind farm during construction or operation please do contact us through the website or toll-free telephone number we will have available to you for documenting complaints.

I hope this information is helpful in addressing your concerns. If you'd like additional information on any topic, please don't hesitate to contact us.

Thanks very much,

The Prowind Team
--

Prowind Canada Inc.
226 1/2 James St. N., Unit A
Hamilton, ON L8R 2L3
www.prowind.ca

Office: 905.528.1747
Fax: 866.203.6516

Attachments:

Health effects and wind turbines 2011 09 14.pdf	226 KB
Chatham Kent Property Value Study 2010.pdf	541 KB
South Branch Wind Farm Ice Throw Report 2012 01 23.pdf	490 KB

Prowind CANADA

South Branch Wind Farm – Public Information Open House

Date: Monday, December 12, 2011 **Location:** Drummond Building
Time: 6:00 pm to 9:00 pm 22 Ryan Street, Spencerville, ON

Please return completed surveys to Prowind Canada Inc.

Address: 226 ½ James Street North, Unit A, Hamilton, ON L8R 2L3 **Fax:** 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? (YES) NO

5. How close to the South Branch Wind Farm do you live? (0-2km) 2-5km 5-20km >20 km

6. Would you like any additional information (studies, reports, handouts, etc.) sent to you? If yes, on what topic(s)? Please be sure to include your contact information above.

7. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources or events. Please provide your suggestions for suitable recipients. Fund for those whose properties become devalued

8. The majority, but not all, of construction activity will occur at the proposed turbine sites and away from residences. This will help mitigate sound impacts from machinery at residences. There will be periods, such as when frequent deliveries are being made by heavy trucks on some local roads, that sound impacts will be greater. At what time in the morning do you consider it appropriate for noise producing construction activity to begin?

7:00 AM 7:30 AM (8:00 AM)

If you feel there should be a different time for weekends please indicate the time: No weekend Activity

9. At what time in the evening do you consider it appropriate for noise producing construction activity to conclude?

8:00 PM 9:00 PM 10:00 PM 5 PM

If you feel there should be a different time for weekends please indicate the time: No weekend Activity

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

10. We will conduct a formal question-and-answer session during our final meetings in January to be held between 6 and 7:30pm on each night. Priority will be given to advance questions in writing from local residents. Please provide any questions you would like us to answer at this session.

11. Do you have additional comments about South Branch Wind Farm that you wish to share with us?

I became aware of the project only recently. The notices should have included postage paid return cards and there should never been a requirement for Provincial to receive a certain # of cards back or the notices have to be sent out again

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal**

10. We will conduct a formal question-and-answer session during our final meetings in January to be held between 6 and 7:30pm on each night. Priority will be given to advance questions in writing from local residents. Please provide any questions you would like us to answer at this session.

11. Do you have additional comments about South Branch Wind Farm that you wish to share with us?

How are you addressing the health related issues caused by Wind Turbines?
To whom do I report and how do I contact with related concerns and complaints related to ill effects of Wind turbines and electrical problems?

This information is collected to help us record and understand your questions and concerns about the project. Personal information collected is for **internal**

APPENDIX E2

RESULTS OF FINAL PUBLIC MEETING IN TOWNSHIP OF SOUTH DUNDAS

Welcome to South Branch Wind Farm's Public Information Open House

Prowind Canada Inc. is a Canadian corporation based in Hamilton, Ontario with a mandate to develop and operate wind power generation facilities in Ontario and across Canada.

Prowind Canada is a wholly owned subsidiary of Prowind GmbH (Osnabrück, Germany), a full service company whose core competencies are the planning, financing, construction and operation of power plants driven by renewable energy.

Prowind has strong relationships with the farming community. We believe wind energy and agriculture make great partners.

Company history

Prowind was established in 2000 by dairy farmer and lawyer Johannes Busmann. It has since completed 22 successful wind power projects in Germany for a total of over 114 megawatts (MW) of installed capacity and over 1,200 MW of projects under development around the world.

Canadian presence

Prowind established operations in Canada in 2007 to respond to the growing need for responsible development of large-scale sustainable energy solutions in the Province of Ontario.

Global development projects

"Prowind seeks to develop viable wind farms that produce clean, renewable power in agricultural settings. Our projects are designed to both support and preserve farming operations and to continually provide revenue for rural communities in Canada." (Cathy Weston, President)

Contact information

Prowind Canada Inc.
226 ½ James St. North, Unit A
Hamilton, Ontario L8R 2L3
T: 905.528.1747 F: 866.203.6516

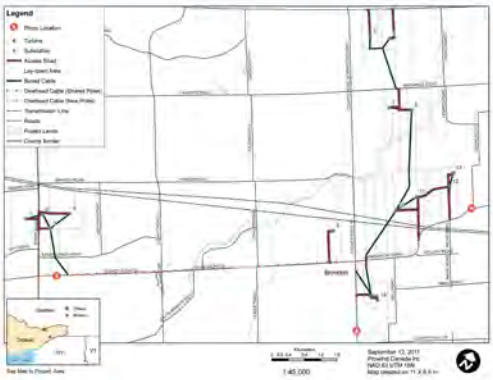
info@prowind.ca
www.prowind.ca

South Branch Wind Farm

The South Branch Wind Farm is proposed as a 30 megawatt (MW) renewable energy generation facility. Once constructed, the facility will be able to produce enough renewable electricity to power approximately 7,500 homes per year.

Project area – 14 turbines maximum

South Branch Wind Farm - photo montage vantage points



Project requirements

- Turbine access roads;
- Switching substation;
- Overhead and underground electrical cabling; and
- Operations and maintenance facility.

Construction stage

Temporary facility will include concrete wash ponds, construction site office and storage sheds.

Economy

Typically, each 100 MW of new wind energy capacity in Ontario creates over 250 jobs per year during the development phase and 18 permanent operations and maintenance jobs, many in rural areas of the province. Nearly $270 million in total private sector investment, including over $20 million in payments to landowners and municipalities will be made over the life of each 100 MW of wind energy capacity.

Local economy

South Branch Wind Farm will create 2-3 permanent jobs and up to 200 during planning, development and construction. These jobs will be locally sourced where possible.

Municipal taxes paid by the wind farm will provide benefits to the community with annual taxes estimated at $70,000.

Community investment

Prowind takes pride in being a responsible local business and community member. In order to give back to the community, Prowind will establish an annual fund of $25,000 for the community, commencing when the wind farm begins operation and lasting throughout the life of the project – a total of approximately $500,000. The community fund will be allocated through a citizens' group to be comprised of residents, business owners and local government who will allow the community to decide how these funds are best distributed.

Join our mailing list!

Keep informed of future milestones for South Branch Wind Farm. Add your name and contact information to the sign-in sheet at the front door.

Project timeline

Milestones reached

May 2007	MET tower erected
March 2008	Environmental monitoring began
January 2009	Initial public open house
April 2010	FIT contract awarded
July 2010	Notice of proposal issued
August 2010	Second public open house
June 2011	Environmental field work completed
July 2011	Draft Renewable Energy Approval (REA) reports published
September 2011	Third public open house

Future milestones*

Fall 2011	Submit Renewable Energy Approval (REA) application
Summer 2012	REA approval
Fall 2012	Detailed design and engineering Building permit and other permits secured
Spring 2013	Construction begins
Fall 2013	Wind farm commissioning

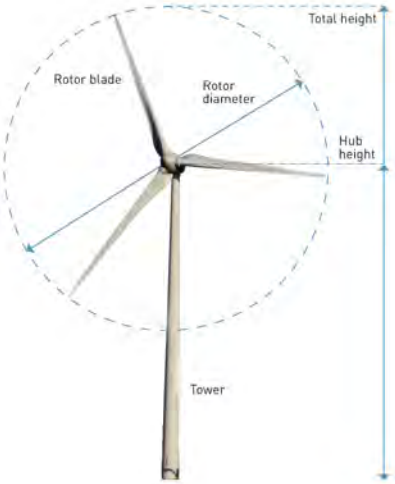
* Best estimates at this time

Technology

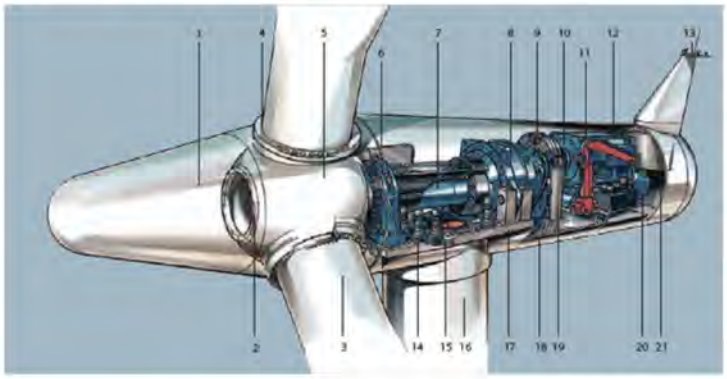
Prowind is in discussions with various turbine manufacturers to determine the best model for the South Branch Wind Farm. The information presented below incorporates the MAXIMUM parameters of any turbine model being considered for the site. The final turbine choice may have smaller features than those listed.

Turbine specifications

Make and model	To be determined
Maximum rated output	2.0 to 3.0 MW per turbine
Tower and blade height	≤ 199 m
Rotor diameter	≤ 118 m
Blade sweep area	≤ 10,930 m²
Range of rotational speeds	5-20 RPM
Approximate foundation diameter	22 m
Maximum quantity required for South Branch project	14



Nacelle arrangement



1 Spinner
2 Spinner bracket
3 Blade
4 Pitch bearing
5 Rotor hub
6 Main bearing
7 Main shaft
8 Gearbox
9 Brake disc
10 Coupling
11 Service crane
12 Generator
13 Meteorological sensors
14 Yaw gear
15 Yaw ring
16 Tower
17 Nacelle bedplate
18 Canopy
19 Oil filter
20 Generator fan
21 Oil cooler

Source: Siemens

How a wind farm works

Wind: Wind is created by the sun through the uneven heating of the earth's surface.

Rotor: When the wind blows past a wind turbine blade, it creates lift and causes the rotor to turn. The blades on the rotor are able to control this lift by changing their angle.

Rotor Shaft: The rotor connects to a shaft that leads inside the nacelle (the box on top of the tower) that connects to a generator.

Generator: Modern generators are controlled by sophisticated electronics to match grid requirements.

Pad Mount Transformer: At the base of each turbine, there is a small transformer that increases the voltage to 34.5 kV.

Collection System: Turbines are joined together by a collection system made up of buried cables in fields and overhead lines along roadsides, allowing electricity to flow from each turbine to the substation.

Substation: The substation is the interface between the wind farm and the electrical grid.

South Branch Wind Farm

Photo montage vantage points - what the wind farm will look like.

Facing northwest from Gilmour Rd, east of Byker Rd

Facing north from Dixon's Corners

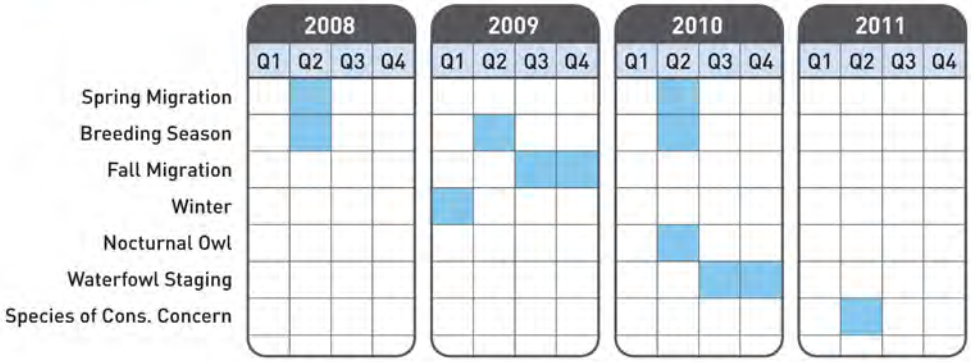
Facing northwest from Henderson & Coons Rd

Birds

Bird surveys at the South Branch Wind Farm

Numerous bird surveys have been conducted at the South Branch Wind Farm site to evaluate the sensitivity of the habitat for bird species. The South Branch Wind Farm is located in a highly active agricultural area, where much of the natural habitat has already been compromised and is of limited value to bird species. There are no national parks, provincial parks, important bird areas or migratory bird sanctuaries within 20 km of the project area.

Survey timeline



Survey results

In general, the following observations were made:

- There is a low diversity of all bird species and low abundance of species of conservation concern.
- The spring and breeding surveys had a higher diversity of species observed in the general project area, but only a few individuals that are less than *Very Common* in Ontario and Canada.
- No owls were observed during the owl survey.
- No waterfowl were observed at the "Waterfowl Staging Area" during fall migration season.
- Low abundance of raptors (birds of prey) were observed during fall migration.

Conclusion

- The South Branch Wind Farm will not pose a significant risk to birds.
- The low diversity and abundance of birds is typical of agricultural areas.
- Post-construction monitoring will be conducted to more accurately assess the impact of the operating wind turbines on bird species in the area.
    - For more details, see information board titled "Post-Construction Monitoring."

Details of each bird survey can be found within the South Branch Wind Farm Renewable Energy Approval, Natural Heritage Assessment Report, Appendix C.

Amphibians

Frog Monitoring

Habitat surveys completed at the South Branch Wind Farm indicated the potential for woodland amphibian breeding habitat. Surveys were conducted in the spring of 2011 by a professional biologist to determine the following:

- The abundance of frogs in the area;
- Type of species found; and
- If their habitat can be considered significant.

Frog surveys consisted of Call Counts conducted at 17 locations throughout the project area. The surveyor stood in each survey location for a minimum of three minutes and noted the species of frogs heard, the approximate number of each species and their approximate location. This survey was conducted twice during the frog breeding season (April to June) to capture species that breed at different times.

Survey results

Only three species were found in the area - American Toad, Spring Peeper and Leopard Frog. Species that were possible but not recorded include Gray Treefrog, Chorus Frog, Wood Frog, Pickerel Frog, Green Frog, Mink Frog and Bull Frog. Survey results indicate low diversity of frogs in the project area.

Conclusion

Frog habitat is protected by avoiding habitat removal during planning of the project. No frogs or frog habitat will be disturbed during the construction of the wind farm.

Salamander Monitoring

Surveys were conducted by a professional biologist to determine the presence and significance of salamander breeding in the area. Salamanders breed in ephemeral pools within woodlands and they live in damp woodlands, under logs and other detritus. Ephemeral pools are seasonal wet areas; depressions within woodlands where water collects during the spring melt.

Survey results

Surveys of these pools within the project area did not reveal any egg masses or salamanders. Logs were overturned in wet wooded areas to attempt to uncover any salamanders, but none were found.

Conclusion

No salamanders or salamander habitat was found in the project area.

Ephemeral pool

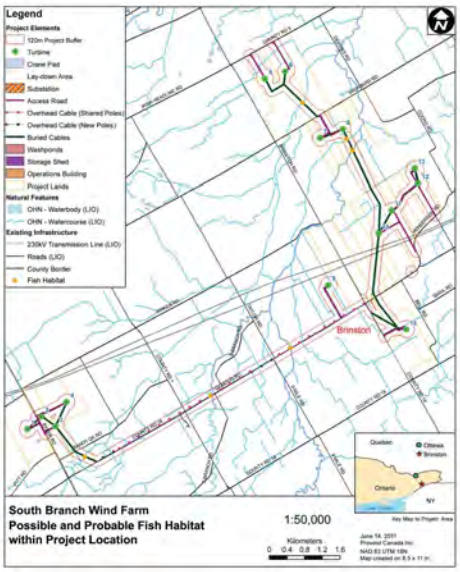
Aquatic habitats

Fish and Fish Habitat

There are several watercourses within the project area that were investigated for potential fish habitat. The South Branch of the South Nation River is located within the project area and intersects with project infrastructure in several locations.

Summary

Watercourses within the project area were assessed for their likelihood of containing fish habitat. It was determined that there are six locations where possible fish habitat and project infrastructure overlap. These locations are outlined on the map below.



At each location of intersection, the proposed infrastructure is electrical cabling - two locations will be overhead cabling and four locations will be buried cabling. The buried electrical cable will be bored underneath the surface water in order to not disrupt fish and fish habitat located within the watercourse.

Where the overhead electrical cabling intersects the watercourses, there will be no direct impact. Existing poles will be upgraded in their current locations, all of which are outside of surface watercourses.

Conclusion

There will be no impact on fish or fish habitat during construction or operation of the wind farm.

Wetlands

There were no wetlands previously identified by the Ministry of Natural Resources in the project area; however, several wetlands were identified within the project area during site investigation.

Summary

The wetlands are generally low wet areas within woodlands and likely ephemeral (temporary) and small in size, ranging from 0.04 ha (0.1 ac) to 3.66 ha (9.0 ac).

Conclusion

None of these wetlands will be directly disturbed during the construction or operation of the wind farm. The habitat and ecological functions they provide will not be altered by the presence of the wind farm.

Details on each wetland can be found in Natural Heritage Assessment Report, Appendix F

Bats

Combination radar/acoustic bat surveys were conducted at the South Branch Wind Farm in the fall of 2009 to determine diversity and abundance of species in the local area. A survey was conducted in both the western (Byker Road) and the eastern (Oak Valley Rd to Henderson Rd) project areas.

These surveys involved radar monitoring to capture flights of bats and birds in a 6.7 km^3 area. Acoustic monitoring was used to differentiate between birds and bats.

Summary of main results

Major findings from bat surveys at South Branch Wind Farm (2009)		
	Western	Eastern
Average flight height	132 m (± 39 m)	110 m (± 17 m)
Abundance	Low	Low
Diversity	Low	Low
Species observed	• Big Brown Bat/Silver-haired Bat Complex (52%) • Little Brown Bat (21%) • Hoary Bat (18%) • Eastern Red Bat (9%)	• Big Brown Bat/Silver-haired Bat Complex (52%) • Little Brown Bat (22%) • Hoary Bat (20%) • Eastern Red Bat (6%)
Habitats of concentration	Hedgerows and artificial lighting	Wooded areas and crop areas
Time of greatest risk	Mid-August, one hour after sunset	Early September, one hour after sunset
% of flights within blade sweep zone	15% (± 5%)	30% (± 10%)
Overall Risk	Low	Low

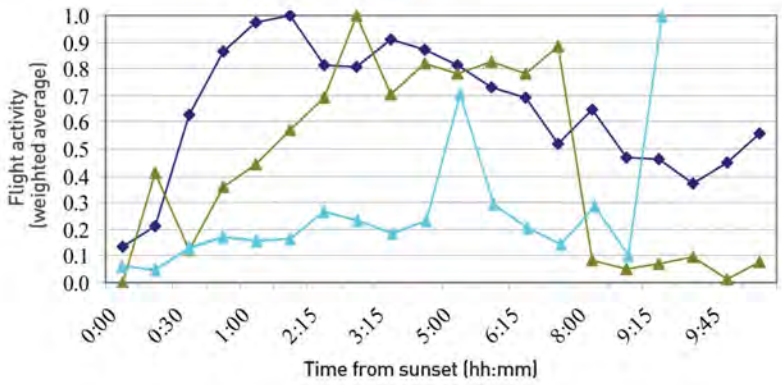
Studies found that in the west, bats were found predominantly near hedgerows and a few near pastures. In the east, there were a few found in various topographic areas, but were observed slightly more often around wooded areas and crops.

Complete results can be found in the Natural Heritage Assessment Report, Appendix D.

The line graph depicts the results from the radar survey monitoring flights of birds and bats over the course of the evening and overnight.

The graph shows both the eastern (light blue) and western (green) areas, as well as an area of typical bat activity in southern Ontario (dark blue) for comparison.

Noctural Bird and Bat Flights at South Branch Wind Farm



Conclusion

- Site investigations did not find any bat roosts where local bat populations would live.
- The project area is not a high density corridor used for migrating bats.
- Bats were found to fly within the blade sweep zone only 15% to 30% of the time.
- Risks to bat populations at the South Branch Wind Farm are low, primarily due to the low abundance of bats in the local area.

Archaeology

Prowind wants to ensure that the South Branch Wind Farm will not disturb any local archaeological heritage. Professional, licensed archaeology consultants are engaged to complete the following monitoring programs.

Stage 1

- Assessments consist of a background history search on the project area, seeking to determine areas of high potential for archaeological importance.
- Preliminary Stage 1 surveys were completed in 2009 by AMICK Consultants Ltd.
- Further Stage 1 studies on expanded project areas were completed by Archaeological Research Associates (ARA) in 2010.

Results

All lands with archaeological potential to be directly impacted by the project warranted a Stage 2 property survey.

Stage 2

- Consultants from ARA conducted the surveys.
- Pedestrian and test-pit (test holes dug out by shovel) studies looking for historical artifacts were completed of all areas impacted by project construction or operation in April – June 2011.
- Pedestrian surveys involve visual inspection of ploughable lands at 5 m transects. These lands must be recently ploughed, weathered and must also present at least 80% visibility of the soil.
- Areas not eligible for pedestrian survey were test-pitted at 5 m intervals. This requires that a 30 cm hole is dug out by shovel and screened through a mesh sieve.

Results

Two locations identified within the surveyed lands that contained artifacts and/or evidence of previous habitation – referred to as findspots.

Findspot 1 – Euro-Canadian artifact scatter broadly dating from mid-nineteenth century to late twentieth century. This findspot did not meet criteria for requiring further work – Stage 3 was not recommended.

Findspot 2 – Remnants of a Euro-Canadian homestead dating from mid-nineteenth to late twentieth century. The archaeologists recommended avoidance of the area. Consequently, turbine 14 and its infrastructure were removed from the project scope, thus removing the need for Stage 3 assessment on these lands.

Ministry of Tourism and Culture (MTC) response and conclusion

MTC reviewed the report and concurred with the survey conclusion. No further archaeological studies are required for this project.

Heritage Assessment

A professional heritage assessment team conducted a survey of homes, buildings and vistas surrounding the project during the summer and fall of 2010. The survey identified Built Heritage (BH) resources or Cultural Heritage Landscapes (CHL) with significant Cultural Heritage Value or Interest (CHVI) and completed impact assessments for each.

Results

- Three Cultural Heritage Landscapes with CHVI were identified (Brinston, Hulbert and Dixon's Corners).
- 19 BH resources with CHVI were identified both within and on property abutting the project site.
- The project will not have negative impacts on the identified BH resources and CHLs.

MTC response and conclusion

MTC reviewed the report and concurred with the survey conclusion. No further heritage assessment studies are required for this project.

Radar and Telecommunications

Radar

Wind turbines pose a unique difficulty for radar stations in North America and the world. This is because turbines are tall structures with moving components; when viewed on a radar screen, it can be difficult to distinguish between turbines and other moving objects in the sky[1].

Radar monitoring efforts near airports and airfields must be carefully examined to ensure the potential for interference is identified and mitigated.

All proposed turbines at South Branch Wind Farm are within line-of-sight of the Ottawa Primary Surveillance Radar[2]. This can increase the possibility of identification of false targets on the radar system.

Conclusion

Nav Canada has granted conditional approval for the project design with the condition that the developer is responsible for all costs associated with technical mitigation measures that may become necessary. No other agencies indicated likelihood of impact on existing systems.

Radio communication

Communication networks may be impacted by the development of a wind farm due to either signals being blocked by or reflected off the turbines[3]. A study was completed to identify any licensed broadcasters in the project area[4]. The study included the following types of radio communication:

- Land Mobile Networks, as registered on Industry Canada's Spectrum Direct;
- Radio and Television Broadcast Stations;
- Cellular Type Networks; and
- Point-To-Point Systems.

Conclusion

The project does not fall within the consultation zones for any of these communication systems – no impacts to these systems are anticipated.

Television and satellite reception

YRH & Associates (Montreal, QC) completed a survey[5] to determine the potential for impacts to reception of TV and satellite signals in the vicinity of the project.

Conclusion

No significant risk of interference to reception of digital or satellite TV signals.

Mitigation

Prowind has proposed a mitigation strategy that will be applied in the unlikely event that degradation in quality of digital signal reception is identified post-construction.

[1] Feasibility of Mitigating the Effects of Windfarms on Primary Radar, ETSU W/14/00623/REP, Alenia Marconi Systems Limited. 2003. http://www.bwea.com/pdf/AWG_Reference/0306%20BERR%20Feasibility%20of%20mitigating%20the%20effects%20of%20wind%20farms%20on%20primary%20radar.pdf

[2] Nav Canada consultation, Appendix E, *South Branch Wind Farm Design & Operations Report*

[3] *Technical Information and Guidelines on the Assessment of the Potential Impact of Wind Turbines on Radio Communication, Radar and Seismoacoustic Systems*, Radio Advisory Board of Canada and Canadian Wind Energy Association, Version 8.0

[4] Appendix E, *South Branch Wind Farm Design & Operations Report*

[5] Appendix D, *South Branch Wind Farm Design & Operations Report*

Construction Activities

There are three main components to construction:

1. Preparation of the land: removal and re-distribution of topsoil, excavation and removal of sub-surface earth;
2. Construction and erection of the wind farm: source local suppliers where possible for construction materials and labour; and
3. Site rehabilitation: restore ecosystem attributes and associated vegetation communities to pre-development conditions. All temporary structures and facilities are removed and the lands are returned to their pre-construction state. Damaged tile drains are repaired and construction debris is removed.

Duration

Construction is expected to take between six and eight months, starting either fall 2012 or spring 2013, depending on weather conditions when all permits for construction have been secured. Load restrictions on municipal roads from March to May will be respected.

Access road construction

Each turbine requires an access road to allow construction traffic and delivery of infrastructure. Access roads will be comprised of pressed gravel and will be built to a width of 6 m for construction and reduced to 5 m after construction is complete. Large delivery trucks must be able to complete wide turns to enter the work site – a temporary turning area with a radius of approximately 43 m is planned for each road entrance. Roads will be maintained through the life of the project.

Buried and overhead electrical cables

Electrical cables buried in fields are placed more than 1 m below the surface to permit farming activities to continue.

Overhead electrical cables will run along Gilmour Road as far as Brinston Road and then south along Brinston Road for approximately 300 m. Where possible, existing poles will be shared – this will likely require upgrades to the hydro poles in order to accommodate the new wires. Hydro One will coordinate upgrades to existing poles.

Substation

The substation contains the control system of the wind farm as well as an electrical transformer to convert the power from 27.6 kilovolt (kV) to 44 kV to match the distribution voltage on the existing power line. The substation will be fenced for security and safety purposes.

Turbine foundation

The foundation is a steel-reinforced concrete base that is poured into prepared ground at the base of the turbine. Up to 102 cement truckloads are required to deliver concrete for each foundation. Foundations will take approximately 13 weeks to prepare, followed by 5 weeks of curing before turbines can be assembled.

Turbine delivery and erection

Turbines arrive in several pieces on flatbed trailer trucks and are delivered directly to the lay-down area around each planned turbine location. Large cranes are used to pull tower pieces into position and to assemble and raise the nacelle and blades into position. As many as three cranes will be used to assemble each turbine.

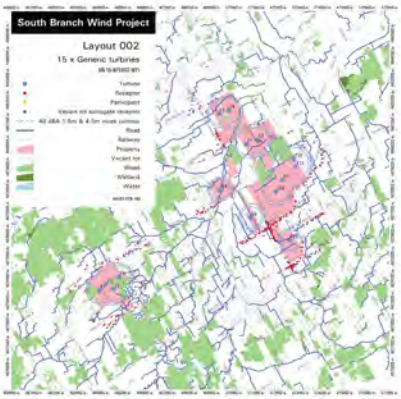
Sound Regulations and Setbacks

Sound regulations

The Ontario Ministry of Environment has established guidelines for sound level limits of wind farms[1]. The Developer must show that the proposed project will not create a noise output of more than 40 A-weighted decibels (dBA) in a 'predictable worst-case scenario' at any non-participating receptor.

What is a receptor?

Receptors or non-participating points of reception at the South Branch Wind Farm are residential dwellings of individuals and families who are not project participants. All receptors marked for this project have been designated as rural and are presented on the site plan diagrams.



What is 40 dBA?

This sound level is similar to that of a running refrigerator or a quiet library.

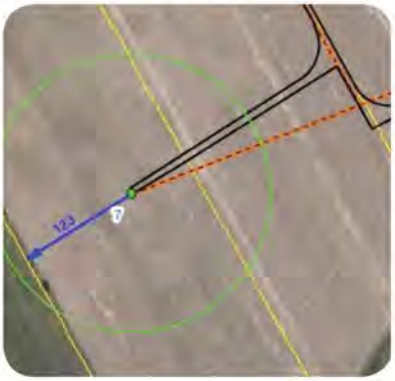
Noise assessment

Zephyr North Ltd. was engaged by Prowind to complete a study of the potential sound output of the proposed South Branch Wind Farm. A maximum sound output of 106.4 dBA was adopted as the maximum output level of any turbine considered for this project. Only turbines with maximum sound output equal to or less than 106.4 dBA are candidate turbines for this project. This ensures the sound output will remain within the regulated limits for all receptors.

Results of the Zephyr North study[2] show sound levels at all receptors are within the acceptable limit.

Setback regulation

Turbines must be situated at least 550 m from homes, although in many cases, the noise regulations have imposed greater restrictions and turbines are further than this minimum distance. The setback site plan shows the distance from turbines to the nearest receptor. All non-participant receptors are beyond this minimum setback.



Turbines must be far enough from property lines for safety of neighbouring residents and businesses. The minimum property line setback is the turbine height (excluding blades). The regulation permits for this minimum setback to be reduced to blade length plus 10 m if it can be shown that the proposed location will not result in adverse impacts on nearby infrastructure, properties or land use activities.

There are five locations at the South Branch Wind Farm where turbines are within the proposed turbine height as described in the Abutting Property Assessment Report - Turbines 4, 7, 9 and 13. All of these occurrences have been assessed and no detrimental impact to the neighbouring properties has been identified. In all cases, the neighbouring land parcels are used for agricultural operations and very minimal risk is presented by the turbines' proximity.

[1] Ontario MOE publications NPC-232 – Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), MOE Noise Guidelines for Wind Farms (October 2008) and in Ontario O.Reg 259/09 and proposed amendments.

[2] Appendix C, South Branch Wind Farm Design and Operations Report

Wind Farm Operation

How much power is produced?

We estimate that on average South Branch Wind Farm will produce a total of over 75,000 megawatt hours (MWh) of clean, renewable electricity in each year of operation.

Who controls the wind farm?

We plan to have an operations and maintenance building near the project area to control the power generated and delivered into the existing electrical power grid.

What are the reasons for temporarily removing a wind farm from the power system?

Several events may require that the wind farm generation be removed from the power system, or taken offline, including regular maintenance, equipment repair, inclement conditions (too much wind or ice), or planned or unplanned issues in the downstream power grid.

Safety Measures

Wind farm operators work with local services groups to identify when responsibility for emergency responses is transferred to a specialized team trained for emergencies occurring above ground level. Local services such as ambulance, police and fire will coordinate efforts with wind farm operators to practice established emergency response and communication plans.

Decommissioning

The feed-in-tariff or FIT contract at South Branch is valid for 20 years from the time of full commercial operation. After 20 years, the wind farm is either decommissioned or re-powered with updated technology under a new power purchase agreement.

When a farm is decommissioned, the goal is to return the land to its pre-construction state. Project infrastructure, including roads, cables, turbines, foundations and substation must be disassembled and removed from the site. To prepare for the removal of equipment, the access roads are widened to 6 m and turning areas are reinstated. Lay-down areas at the base of each turbine are reconstructed. Cranes are brought in to disassemble the turbines and substation and to load transport trucks for removal. Wherever possible, equipment and construction materials such as excess gravel are recycled, sold or given away.

Rehabilitation of project areas is completed and vegetation communities are reinstated where they have been disturbed.

Post-Construction Monitoring

Prowind wants to ensure that the South Branch Wind Farm is meeting its environmental and social expectations by conducting the following monitoring programs.

Birds and bats

Post-construction monitoring will be conducted at the South Branch Wind Farm for a minimum of three years. This monitoring program will survey the area within a 50 m radius around the base of 10 of the 14 proposed turbines. Surveys will be conducted every third day from April to November.

To ensure the accuracy of results, two other survey trials are conducted:

- Searcher Efficiency Trials: test the effectiveness of those conducting the searches; and
- Scavenger Trials: test the likelihood of animals scavenging the birds/bats before they can be found by the surveyor

The results of these trials are recorded and assessed for final impact evaluation.

Each year, after the surveys are complete, a final number is calculated that identifies the impact of the turbines on birds and bats. If the wind farm results in the mortality of more than 10 birds or bats per turbine per year, mitigation measures will need to be instigated. Mitigation measures can include slowing the turbine, increasing the cut-in speed (wind speed at which the turbine starts rotating), or stopping the turbine during times of increased bird and bat traffic.

Water quality

To ensure construction activities do not adversely affect the surface water quality in the area, water quality testing will be conducted on site, before and after the construction period. There is a slight risk of increased sedimentation and contamination from construction activities. Although risk is low, Prowind wants to ensure there are no adverse environmental impacts from the wind farm. Turbidity and hydrocarbons will be tested before construction to establish a base level, and again once construction activities are complete. If levels have increased, a rehabilitation plan will be established with the Ministry of Environment, Ministry of Natural Resources and South Nation Conservation to return water quality to base levels.

Sound and television reception

Website for reporting concerns

Prowind wants to ensure that the wind farm is not unduly impacting the lives of nearby residents. If the wind farm seems to be causing disruption, a website will be available to receive concerns 24 hours a day and a company representative will respond in a timely manner.

Sound

The wind farm is required by law to adhere to the regulated sound limit of 40 A-weighted decibels at all times. Even though sound is modeled prior to construction using very conservative numbers, real life experience is the only true measure.

People are invited to send their concerns via the website. They will be responded to by a company representative and reported to the Ministry of the Environment. Mitigation measures will be instigated if sound is found to be exceeding allowable limits.

Television

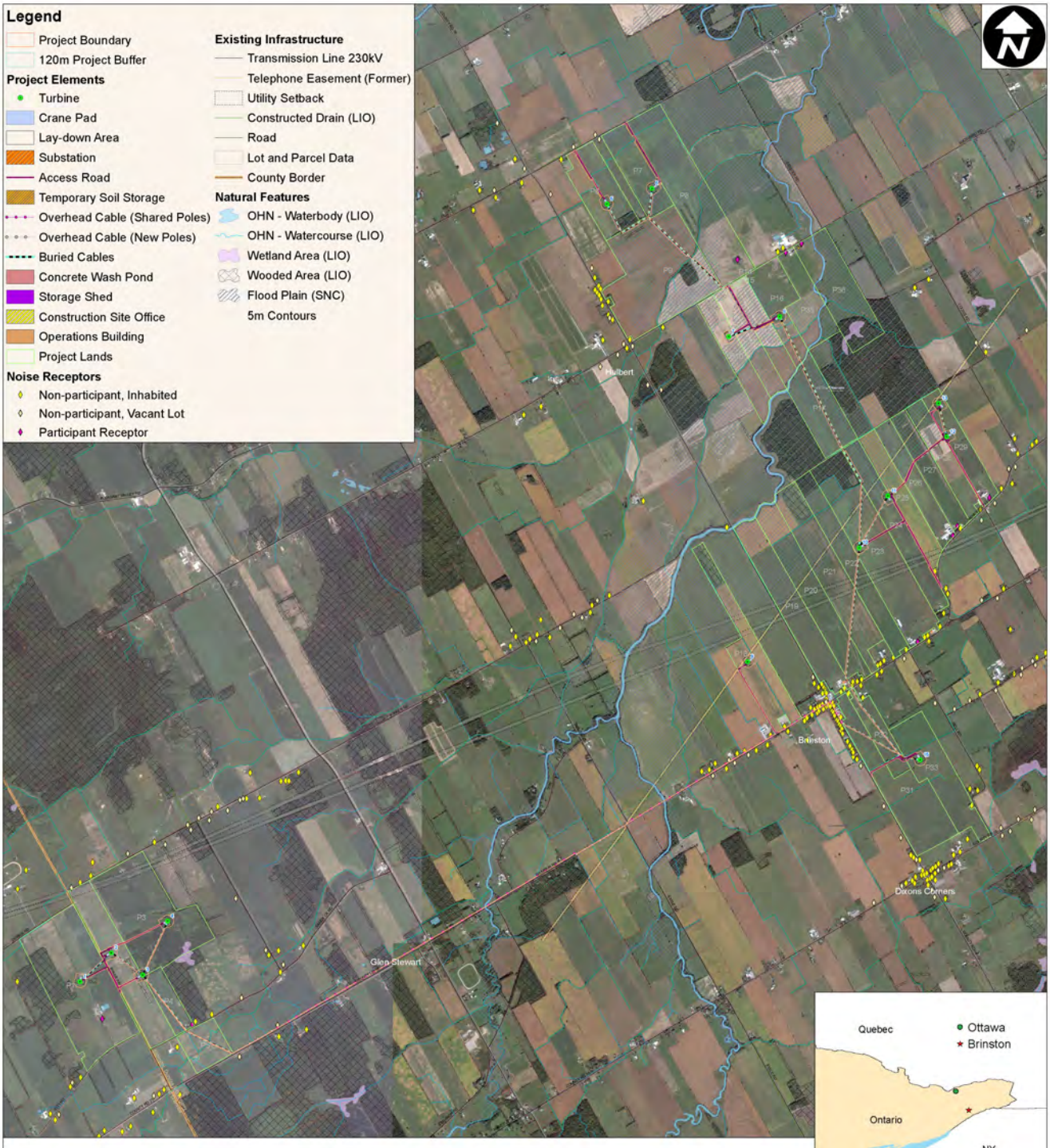
It is possible that the turbines may interfere with direct television signals received through antennae. Television signals have recently changed from analog to digital; it is expected that digital signals are less prone to interference from wind turbines than analog, but interference is still a possibility. Concerns will be received and addressed via the website.

Health and Wind Power

Public health and safety will be considered during all stages of the Project

- Many studies have been conducted world-wide to examine the relationship between wind turbines and possible human health effects.
- In Ontario "*Ontario doctors, nurses, and other health professionals support energy conservation combined with wind and solar power – to help us move away from coal.*" – Ontario College of Family Physicians, Registered Nurses Association of Ontario, Canadian Association of Physicians for the Environment, Physicians for Global Survival, the Asthma Society of Canada, and the Lung Association
- In "The Potential Health Impact of Wind Turbines" (May 2010), Ontario's Chief Medical Officer of Health recently examined the scientific literature related to wind turbines and public health, considering potential effects, such as dizziness, headaches, and sleep disturbance. The report concluded that:
    - The scientific evidence available to date, does not demonstrate a direct causal link between wind turbine noise and adverse health effects. The sound level from wind turbines at common residential setbacks is not sufficient to cause hearing impairment or other direct health effects, although some people may find it annoying.
    - Low frequency sound and infrasound from current generation upwind model turbines are well below the pressure sound levels at which known health effects occur.
    - There is no scientific evidence to date that vibration from low frequency wind turbine noise causes adverse health effects.
- Overall, health and medical agencies agree that the sound from wind turbines is not loud enough to cause hearing impairment and is not causally related to adverse effects.*
- Scientists and medical experts around the world continue to publish research in this area. Through our health consultants, Prowind Canada is committed to keeping informed on this issue.

*e.g., Chatham-Kent Public Health Unit, 2008; Minnesota Department of Health, 2009; Australian Government, National Health and Medical Research Council, 2010; Australian Government, 2011



South Branch Wind Farm - Construction Site Plan

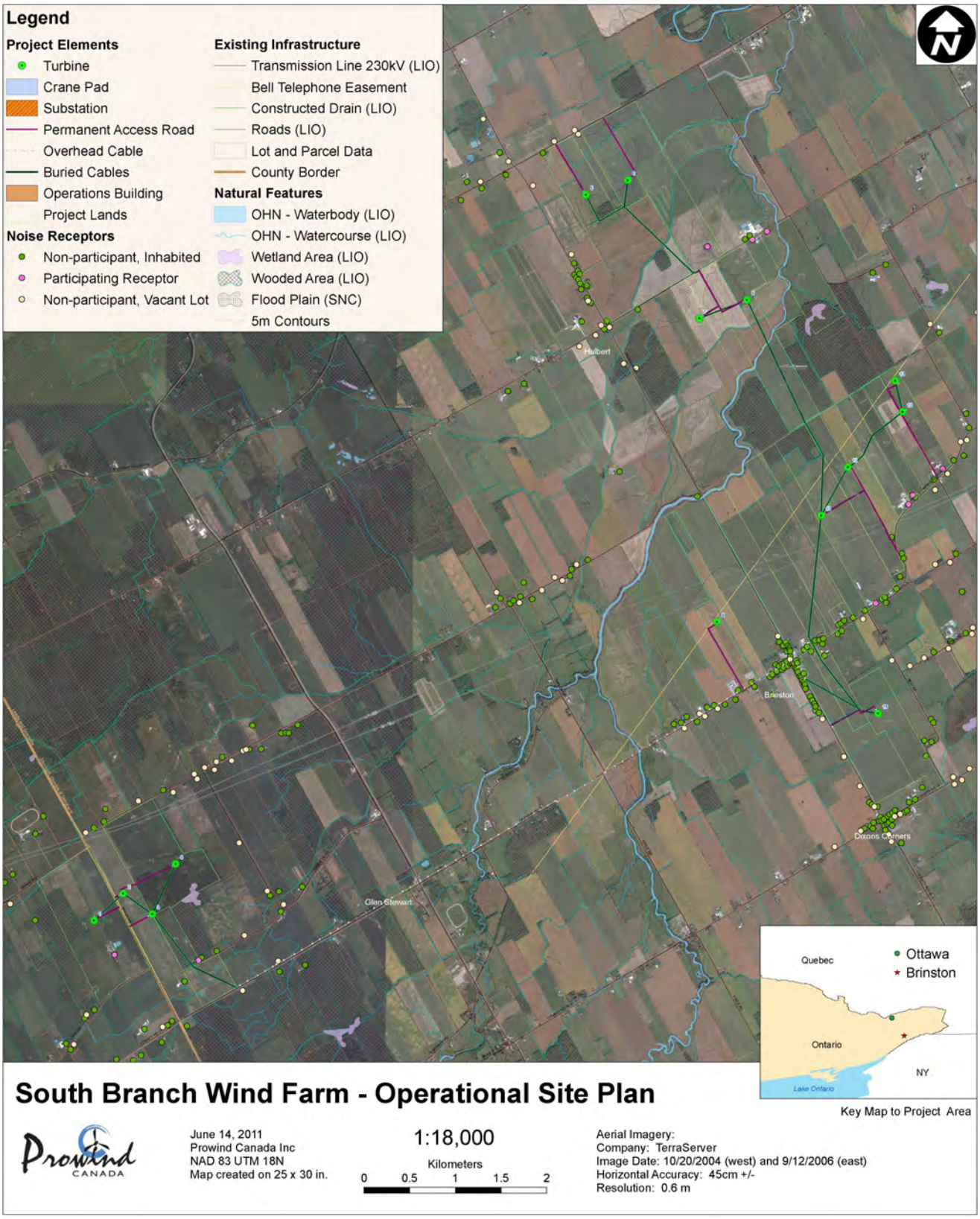
Key Map to Project Area

June 14, 2011
Prowind Canada Inc
NAD 83 UTM 18N
Map created on 24 x 36 in.

1:18,000

Kilometers
0 0.5 1 1.5 2

Aerial Imagery:
Company: TerraServer
Image Date: 10/20/2004 (west) and 9/12/2006 (east)
Horizontal Accuracy: 45cm +/-
Resolution: 0.6 m



Key Map to Project Area

South Branch Wind Farm - Operational Site Plan

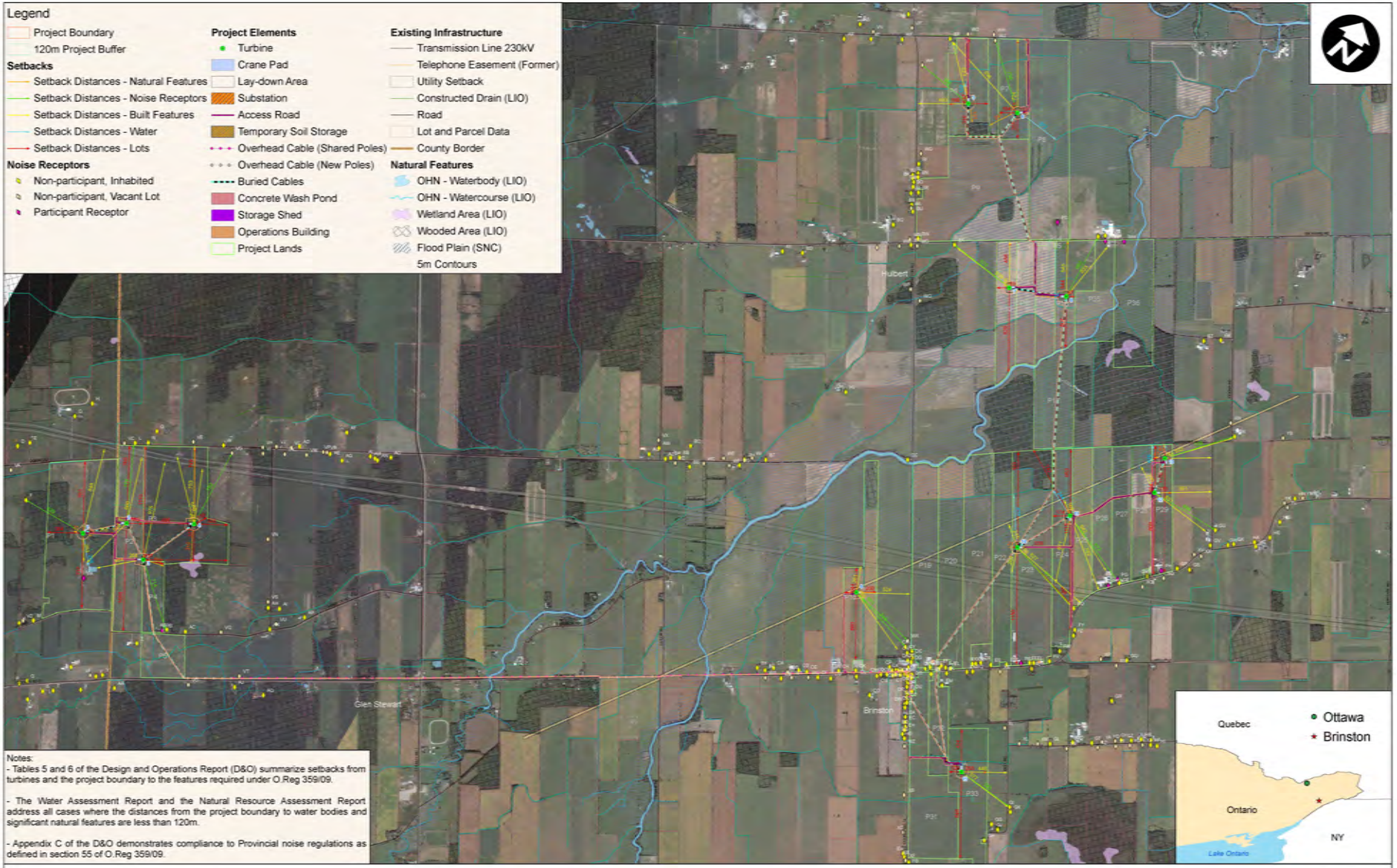
Prowind CANADA

June 14, 2011
Prowind Canada Inc
NAD 83 UTM 18N
Map created on 25 x 30 in.

1:18,000

Kilometers
0 0.5 1 1.5 2

Aerial Imagery:
Company: TerraServer
Image Date: 10/20/2004 (west) and 9/12/2006 (east)
Horizontal Accuracy: 45cm +/-
Resolution: 0.6 m



South Branch Wind Farm - Setback Site Plan

1:16,000

Kilometers
0 0.5 1 1.5 2

June 14, 2011
Prowind Canada Inc

NAD 83 UTM 18N
Map created on 24 x 36 in.
All distances presented in metres

Aerial Imagery:
Company: TerraServer
Image Date: 10/20/2004 (west) and 9/12/2006 (east)
Horizontal Accuracy: 45cm +/-
Resolution: 0.6 m

Key Map to Project Area

Prowind CANADA

South Branch Wind Farm – Public Information Open House

Date: Tuesday, January 10, 2012 **Location:** Matilda Hall

Time: 6:00 pm to 9:00 pm 4421 Brinston Rd. (CR 16), Dixon's Corners, ON

Please return completed surveys to Prowind Canada Inc. via:

Address: 226 ½ James St. N. Unit A, Hamilton, ON, K0G 1J0 **Fax**: 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: _____ 2. Email: _____

3. Mailing Address: _____

4. Would you like to be added the mailing list to receive future updates on the project? YES NO

5. Approximately how close to the South Branch Wind Farm do you live? 0-5km 6-10km 11-20km >20 km

6. Would you like any additional information (studies, handouts, etc.) sent to you? If yes, on what topic(s)? _____

_____

_____

_____

9. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources, or events. Please provide your suggestions for suitable recipients. _____

_____

_____

_____

10. Do you have any additional comments you wish to share with us? _____

_____

_____

_____

_____

_____

_____

_____

This information is collected to help us understand your concerns and improve every aspect of our project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

Prowind CANADA

SOUTH BRANCH WIND FARM FINAL PUBLIC INFORMATION MEETING

Date: Jan. 10 Time: 6 pm to 9 pm Location: Dixon's Corners

	Name* (Please print clearly)	Place of Residence (Town/City)	Can we add you to the project mailing list?	E-mail or mailing address* (for mailing list)
1	FRED VANBERGEN	BRINSTON	☐ Yes ☑ No	[redacted]
2	RENE + SUE VALIQUETTE	BRINSTON	☑ Yes ☐ No	
3	Ken Little	Toronto	☐ Yes ☑ No	
4	BRIAN COOMBS	IROQUOIS	☐ Yes ☑ No	
5	Paul Dentz	Dixon's Corners	☐ Yes ☑ No	
6	ROBERT PLUMMER	DUNDELA	☐ Yes ☑ No	
7	Oliver Thurler	Hulbert	☐ Yes ☐ No	
8	GERRY WHITTEKER	DIXONS CORNERS	☑ Yes ☐ No	
9	Cathy Dentz	Dixon's Corners	☑ Yes ☐ No	[redacted]
10	Calvin Dentz	Dixons Corners	☐ Yes ☐ No	
11	JACK A MCQUIAC	IROQUOIS	☐ Yes ☑ No	
12	LUKE GLEYNSE	KEMPTVILLE	☑ Yes ☐ No	
13	Jim Locke	IROQUOIS	☐ Yes ☐ No	
14	Steven Bywell	Iroquois	☐ Yes ☐ No	
15	ARON BRANAM	PORTLAND, OR	☐ Yes ☑ No	
16	Brian Antonich	Toronto	☐ Yes ☐ No	
17	Sandy Casselman	Morrisburg	☐ Yes ☐ No	
18	Hugh Connaughton	Twp of S. Dundas	☐ Yes ☐ No	
19	[illegible]	Brinston	☐ Yes ☐ No	
20	Ramona Dunshee	Brinston	☐ Yes ☐ No	

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Prowind CANADA

SOUTH BRANCH WIND FARM FINAL PUBLIC INFORMATION MEETING

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	Name* (Please print clearly)	Place of Residence (Town/City)	Can we add you to the project mailing list?	E-mail or mailing address* (for mailing list)
1	ALBERT ZANDBERGEN	BRINSTON	☐ Yes ☐ No	
2	V WELCH	SHANLY	☑ Yes ☐ No	[redacted]
3	JACK SULLIVAN	LONG SAULT	☐ Yes ☐ No	
4	Bobbie Giles	Brinston	☐ Yes ☐ No	
5	Ricky Lee	BRINSTON	☐ Yes ☐ No	
6	Gerry Murphy	11395 LAKESHORE Rd 194 Iroquois	☐ Yes ☑ No	
7	Betty Casselman	11096 Dundela Rd	☑ Yes ☐ No	[redacted]
8	Jim GRAHAM	GLEN BECKER	☐ Yes ☑ No	
9	[illegible]	Richmond	☐ Yes ☐ No	
10	Lorne Stander	Brinston	☑ Yes ☐ No	
11	Bill Horner	Iroquois	☑ Yes ☐ No	
12	Ralph A Dallaire	Brinston	☑ Yes ☐ No	
13	JOAN L. DEVRIES	WILLIAMSBURG.	☑ Yes ☐ No	[redacted]
14	HERMAN DEVRIES	Williamsburg	☐ Yes ☐ No	
15	Isaac Weatherhead	Iroquois	☑ Yes ☐ No	[redacted]
16	BILL Byker	Brinston	☑ Yes ☐ No	
17	Audrey Mullan	Brinston	☐ Yes ☐ No	
18	Francis Henderson	Brinston	☐ Yes ☐ No	
19	Keith Hubbard	BRINSTON	☑ Yes ☐ No	[redacted]
20	Tina Connolly	Brinston	☐ Yes ☐ No	

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Prowind CANADA

SOUTH BRANCH WIND FARM FINAL PUBLIC INFORMATION MEETING

Date: Jan. 10 Time: 6 pm to 9 pm Location: Dixon's Corners

	Name* (Please print clearly)	Place of Residence (Town/City)	Can we add you to the project mailing list?	E-mail or mailing address* (for mailing list)
1	Eric Wilson	Carsonby S	☐ Yes ☐ No	already on it
2	N "	"	☐ Yes ☐ No	
3	Sheryl Hubbard	Brinston	☐ Yes ☐ No	
4	Jeff adamson	South mountain	☑ Yes ☐ No	[redacted]
5			☐ Yes ☐ No	
6			☐ Yes ☐ No	
7			☐ Yes ☐ No	
8			☐ Yes ☐ No	
9			☐ Yes ☐ No	
10			☐ Yes ☐ No	
11			☐ Yes ☐ No	
12			☐ Yes ☐ No	
13			☐ Yes ☐ No	
14			☐ Yes ☐ No	
15			☐ Yes ☐ No	
16			☐ Yes ☐ No	
17			☐ Yes ☐ No	
18			☐ Yes ☐ No	
19			☐ Yes ☐ No	
20			☐ Yes ☐ No	

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SOUTH BRANCH WIND FARM FINAL PUBLIC INFORMATION MEETING

Date: Jan. 10 Time: 6 pm to 9 pm Location: Dixon's Corners

	Name* (Please print clearly)	Place of Residence (Town/City)	Can we add you to the project mailing list?	E-mail or mailing address* (for mailing list)
1	Grant MacDonald	Brinston	☐ Yes ☐ No	
2	BILL TIBBEN	BRINSTON	☐ Yes ☐ No	
3	Glen Tibben	Brinston	☐ Yes ☐ No	
4	Mike Tibben	Brinston	☐ Yes ☐ No	
5	Mark Tibben	Brinston	☐ Yes ☐ No	
6			☐ Yes ☐ No	
7			☐ Yes ☐ No	
8			☐ Yes ☐ No	
9			☐ Yes ☐ No	
10			☐ Yes ☐ No	
11			☐ Yes ☐ No	
12			☐ Yes ☐ No	
13			☐ Yes ☐ No	
14			☐ Yes ☐ No	
15			☐ Yes ☐ No	
16			☐ Yes ☐ No	
17			☐ Yes ☐ No	
18			☐ Yes ☐ No	
19			☐ Yes ☐ No	
20			☐ Yes ☐ No	

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Date: Tuesday, January 10, 2012 **Location:** Matilda Hall
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Please use the back of the form if additional space is needed. All responses are optional.

1. Name: [redacted] 2. Email: [redacted]

3. Mailing Address: [redacted]

4. Would you like to be added the mailing list to receive future updates on the project? (YES) NO

5. Approximately how close to the South Branch Wind Farm do you live? (0-5km) 6-10km 11-20km >20 km

6. Would you like any additional information (studies, handouts, etc.) sent to you? If yes, on what topic(s)? _____

9. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources, or events. Please provide your suggestions for suitable recipients. _____

- compensating residents for decreased property values

10. Do you have any additional comments you wish to share with us? _____

I don't like that residents did not hear about this until only recently. I understand that newspaper adds & notices at the township were attempted. BUT I didn't hear about it until this past August! A project of this magnitude should have phone notification to make sure all people know! I do not want windmills within 10km of my home!

This information is collected to help us understand your concerns and improve every aspect of our project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

South Branch Wind Farm Final Public Meeting in Township of South Dundas

Dixon's Corners – January 10, 2012

Meeting Transcription

Introductions:

Jeff Segal
New president of Prowind Canada. Provided a welcome to the crowd and set stage for event.

Juan Anderson, BEng.
Has worked for 4 years at Prowind as energy developer. Previously was engaged at Martin Ince & Associates, a consultant firm working on the South Branch wind farm. He has 6 years total experience in wind energy development.

Rochelle Rumney
Has served 3 years at Prowind as an Environmental Coordinator. She is responsible for REA and coordinates fieldwork and serves as the liaison between consultants, ministries and other external stakeholders.

Loren Knopper
Loren is a senior scientist at Intrinsic Environmental Sciences. He is here to talk about human health and wind turbines. Has been doing Environmental Health for many years, with a focus on wind energy environments for past 2 years. Lorne has a PhD in biology with emphasis on toxicology.

0. Q: What if all questions exceed the allotted time for the meeting, how will they be addressed, will the questions and answers be made available to the "stakeholders"?

A: We're going to try to get through them all tonight, but if we don't, leave us your questions and your contact info and we'll get back to you with the answer.

1. Q: Will there be an opportunity for concerned citizens/participants to challenge or rebut "experts" and their presented "facts" within the "controlled" design of this meeting?

A: Last meeting we had back and forth, but this format is used to get through as many questions as possible because we had a lot of pre-submitted questions. Follow up questions can be asked if written down and submitted.

2. Q: What other agencies has Prowind invited to participate in the Q & A session this evening (local health unit, MOE, MNR, etc.)? Please provide their names of contact.

A: It is not their role to attend these meetings. We did bring in someone on health because there were many questions regarding that topic.

3. Q: I would like to know how you feel about the possibility of your wind turbine's causing possible harm to my wife and children?

A: Turbines as regulated at 550 m and 40 dB will not be related to adverse health effects.

4. Q: How much do landowners receive from the wind turbines?

A: Private agreement btw landowners and Prowind and not something we discuss publicly.

5. Q: Where is the sub station being located? How much noise does it produce?

A: [Points to location on map]. Halfway between Brinston and Dixon's Corners and halfway back into the field from Brinston Rd; a little over 400 m from the nearest residence. As for sound – a substation of this size is not required to be included in the noise assessment. With its low height and shielding, it will not be a noise issue. Some substations of this size produce sound at 70-80 dB, but that is yet to be determined.

6. Q: What percentage of people have ill health effects from wind?

A: I can't answer that specifically with numbers relating to health effects. As for noise, the research has looked at annoyance from wind turbines, about 10% may be annoyed by the noise of wind turbines, but that is not the same as ill health effects from the turbines.

7. Q: Why are the turbines placed where they are when there is much more land available that is farther from homes?

A: One of the reasons is the floodplain, it is quite extensive and we need to locate turbines outside the floodplain. Nearest turbines to a non-participant home is just over 600 m. Average distance between the nearest non-participant and each turbines is over 720 m. We've done our best to maximize the distance between turbines and people living nearby that aren't participating.

8. Q: What degree of responsibility does Prowind have to share with the township on addressing emergency preparedness for residents living in the wind farm area?

A: There will be an agreement between the Township and the Operations and Maintenance (O&M) staff. There will be a transfer point on the ground where O&M staff hand over responsibility to the Township. The agreement is an absolute requirement of the approvals process and there is a template in our report that many of you have read, but before construction that will have to be agreed upon with the municipality.

9. Q: Will the construction impact my well water quality?

A: We are not doing any blasting. Preliminary geotech work did not reveal any bedrock, which would be the main reason for blasting and could have potential impacts to water. The foundation of the turbine requires excavation to about 3 m, pouring a mud slab, rebar and concrete foundation, similar to a large house and the impacts to the water table are similar as well.
Talks with South Nation conservation with regard to the floodplain confirmed the edges of the floodplain and that we are building outside it, which will reduce impacts to water table as well.

Follow up Q: The floodplain changes four times a year, what process are you doing for those changes?

A: South Nation Conservation defines the floodplain as the 100-year flood line, which accounts for those changes.

10. Q: Why doesn't Prowind do their own specific health studies?

A: Our development team is not in the business of doing health studies. Often time experts are commissioned by municipalities and the Province and the results of those are back fed into the rules and regulations that developers have to be compliant with to build a wind farm.

11. Q: What chance of more turbines over years to come?

A: It has happened in other areas where companies will get approval for more turbines than they originally build and then build additional phases. At this project we are using all the land we've signed and it's our plan to build all the turbines in one phase. So we have no other land signing activity, or environmental work going on. If that changes (and we have no plans to do so due to local grid capacity) we would have to go through the entire process again and it would take several years.

12. Q: What recourse is there for people living in the nearby area if they experience health impacts after the turbines are built?

A: There are two options: 1. Prowind has committed to answering people's questions with a website and hotline. 2. MOE has a hotline that is available 24 hrs a day and will

take complaints and have investigators look into concerns. There is a compliance document on the web that you can have a look at.

13. How far can ice be thrown from the blades if not turned off immediately?

A: There are several things that can be done to mitigate that. We've had a consultant look at the risk of ice throw at nearby properties and along Byker Road. We hope to have that report available very soon. Initial indications are that it will be extremely unlikely for ice to be thrown from a moving turbine and less so when it's stationary. When a turbine ices up, the wind turbine operator doesn't want the machine running for safety and because it's bad for the machine. Ice detection methods and preemptive shut down when ice is likely to form, etc. There are a number of ways to determine if there is ice on the blades. This area gets about 9 days of icing possibility.

Follow up Q: Who has the switch to turn them off?

A: The wind turbine operator can do that or the wind turbines will shut down automatically under certain conditions. It should be noted also that certain turbines have heating mechanisms in the blades to prevent ice build up, and that's a possibility here also. To add, the blades have to be balanced, so if ice accumulates it would put the machine out of balance and the sensors will automatically shut down the machine. In anticipation of an icing weather event, we have the ability to turn it off to avoid all issues whatsoever. Third option is to shut down the turbines remotely. If the sensory indicators determine the blades are out of balance, the operator would shut down the turbines instead of waiting for the turbines to shut themselves off. It's all monitored in real time.

14. Q: How much revenue "gross" is expected to be made over the lifetime (per turbine).

A: These are private financial details of the project and not something we will be commenting on.

15. Q: If 550 m is deemed sufficient, how come countries like Australia for example have changed their setbacks to 1½ km +?

A; Setbacks are based on different situations. In Ontario it is based on 40 dB, the World Health Organization's value for nighttime noise. South Australia has a much larger setback, but that's not based on health concerns, it's based on economics and social liability.

16. Q: Dr. Knopper: can you provide a definition of annoyance.

A: It's very personal. I can't think of a great definition right now, but I'll think about it and come up with one.

Clarification: This is a follow up question based on reactions to turbines, you said "annoyed". What did you mean?

A: Research by Peterson tried to quantify feelings toward turbines such as do you feel the wind turbines encroach on you, etc. That was defined as "annoyance".

17. Q: What if the blades break off?

A: This is a rare occurrence, but it has happened, but not that often. The setback of 550 m is set to address that, and the turbine would be shut down until repaired. A piece of a blade, instead of a whole blade is rare as well. There is a possibility, similar to a lightning strike and perhaps because of one. These things do happen and they are outside of our control.

18. Q: Why hasn't Prowind chosen a turbine model?

A: There is strict Ontario content regulations that outlines which turbines are ok to use in Ontario. Not all turbine manufactures can meet that. We need to balance finding the right turbine for the wind regime in this area and which manufactures can meet the Ontario content. We've elected to present a worst-case scenario (largest turbines possible) to allow us more time to find the right turbine manufacturer.

19. Q: So what responsibility does Prowind accept when a non-participant house ends up being exposed to infrasound after the turbines are turned on?
A: High levels of infrasound from a turbine is not a given at all, research indicates this is not an issue with modern turbines. If there is a problem from a turbine at a nearby residence there is a liability on Prowind's behalf through the protocol by the MOE. We'll do complaint monitoring and response. MOE will do noise monitoring at a nearby home and the wind farm will be forced to curtail if there is an issue. Infrasound is noise below the threshold of hearing – some people propose that that is an issue from turbines, but reports are finding that the levels from turbines are not an issue. It is a natural sound from wind and waves. There was a study done in Texas that measured infrasound from turbines inside and outside nearby homes and they found that even as close as 307 m, levels of infrasound were below national and international standards for allowable infrasound.

20. Q; People have moved away from their homes when industrial wind turbines are close by. Do you know of any communities where they are happy to have industrial wind turbines close to them?

A: I can think of two: Port Burwell, one of the earlier wind farms and the Town of Dorian,

21. Q: With health effects already proven to harm human health why is there not a hold on this project until you's can provide us with proper proof they will not harm us.

A: In my opinion, wind turbines at 550 m and 40 dB won't be related to adverse health effects. This opinion is formed by legal bodies, government health agencies, chief medical officer of health, Environmental Review Tribunal hearing, jurisdictions in Australia and other jurisdictions. They are finding that there won't be adverse health effects though some people will be annoyed. As long as we follow the regulations there should not be adverse health effects.

22. Q; Did you, yourself, not write that MORE research into the effects of wind turbines is warranted?

A: Yes. We published an article in Sept. in an open access journal to allow public comment and review and response. One conclusion we came up with is that more research is needed, specifically to do with communication issues and where people are getting their information from and how that relates to anxiety about wind farms.

23. Q: What are the impacts to birds and bats?

A: We've done extensive surveys on birds and bats in this area. There is a chance that birds and bats will collide with the turbines and the best mitigation for that is to place turbines where the abundance and diversity of species is already low. We've done three years of bird surveys and radar bat survey to determine this. There is generally low diversity and abundance in this area. This isn't a migration corridor, or special habitat, so in terms of impacts to birds and bats, this is a good area to place a turbine for low impacts. It is already an agricultural area and impacted in this way. We also have three years of post-construction monitoring to conduct once the turbines are built; looking for carcasses at the base of the turbines. If we hit a threshold which is about 10/birds or bats/turbine/year we are required to mitigation and that may require shutting down the turbines at certain times of the year or day. We have lots of work to do once the turbines are built to ensure that the wind farm isn't impacting bird and bat populations in the area.

24. Q; What are the health impacts of vibration and low frequency sound on livestock?

A: There's no evidence to suggest that livestock is impacted by the sound or infrasound from the wind turbines. Livestock experience sound all the time from ventilation systems in barns and other farm noise. There are many farms that have livestock grazing under the turbines and aren't impacted at all. There shouldn't be any impacts to livestock.

25. Q; WHAT ASSURANCE IS PROWIND PREPARED TO GIVE TO GUARANTEE THAT PROPERTY VALUES DO NOT DECLINE for property owners neighbouring the South Branch industrial wind project?

A: The empirical evidence from Ontario and elsewhere in the world indicates that there is no loss of property value from adjacency to a wind farm.

26. Q: Will the wind farm limit our ability to develop our property in Brinston in the future?

A: There are certain provisions we have to take into account when we are planning the wind farm. If there is a lot that is vacant near the wind farm, that gets counted as a noise receptor and there are noise limits that have to be met there. That is there to allow people to build in the future on these parcels in the future.

27. Q: Will the turbines be turned off if a non-participant is suffering from an ill health effect or does it keep operating while the person experiences ill health?

A: If there is a noise complaint the MOE will send noise monitoring equipment to your residence. Press a button it will record for ten minutes when you feel there is a noise exceedance. They will look at the data and if there is sound level above what is allowed then they'll look into it further. If it is found to be above allowable limits there will be forced curtailment. Modern turbines can be curtailed as need be, so that is an option.

28. Q: All commercial airlines are equipped with deicing systems, why can't wind turbines have this same idea?

A: Some turbines do have deicing in the sense that they have warm air circulating in the blades. Not all turbines have this technology. As far as the chemicals sprayed on at airports - that requires a containment system. You certainly wouldn't want to be spraying that over a farmer's field. Not really practical in this context.

29. Q; Mr. Knopper: are you aware of a letter sent by lawyer Eric Gillespie on behalf of the Alliance to Protect Prince Edward County to wind power developer WPD, saying that failure to fully disclose information on potential health effects could be seen as "negligent misrepresentation"? This letter references your article several times.

A: Yes, I am aware of that article. I am on record as being the health consultant for WPD. Yes, WPD sent me that letter and I am aware of it.

30. Q: Has Prowind petitioned the government for a third party epidemiological study on the health effects of industrial wind turbines? If so, what was the government's response? If not, why?

A: No Prowind hasn't that isn't really our role. We go by the existing research. Others have and that's fair and that's part of the Provincial process. I know of two studies that are ongoing or starting up: 1. Working on Wolfe Island and I'm unsure when the results will be released but it is underway. 2. University of Waterloo is doing a human health study with nurses and doctors and PhD students and that project is starting to get underway.

31. Q; With the fires in turbines being reported because of the brakes malfunctioning how do you's hope to deal with the burning turbine as our fire department is not capable of dealing with it.

A: That is covered in the emergency report template. Wind farm staff are the only ones that go up the tower. If they can get to a fire in the incipient stage they are permitted to do so. If the fire is out of control, similar to a tall building, they get out and try to prevent it from spreading to other areas. There is not a requirement that local services fight a fire at that height, just move to a position to prevent it from spreading. The main issue is timely and proper maintenance. For the turbine operator it is a sensible thing to do so that there aren't days of production lost. Prowind will aim to have a very good health and safety record and maintenance records at the wind farm. There is no way to put fires out in the nacelles. It just burns itself out and it is a very rare occurrence. With proper maintenance the probability is very, very low.

32. Q: What if my farm starts to experience stray voltage after the wind farm is built?

A: Stray voltage is not specifically associated to the wind farms. It is usually an existing problem to do with the distribution system. There have been recent upgrades to the electrical code to the size of the neutral conductor that wind farm must have. That's one effort to mitigation potential for stray voltage. If stray voltage is made worse by the wind farm, the wind farm owner is liable to correct that. Typically stray voltage issues are preexisting and have to do with bad grounding or no grounding with local hydro users.

33. Q: Question for all speakers: In relation to where you live – how many turbines are within 1 km of your house?
A: Juan – I live in a rural area and two projects have been proposed in my area, but I don't know exactly where the turbines are being proposed, but I do live near high ground, so there is potential for the turbines to be adjacent to me. I'm on the mailing list and am getting updates. I'm not really worried about it, but I'd be at the meetings and making sure that things are done properly.
Jeff – I live in Toronto, there is one turbine at the exhibition ground that I can see from my backyard. With relation to ice, that turbine spins 100 feet or so from the Gardiner and does not pose a problem with ice throw.

Rochelle – I live in Hamilton and that area is not suitable for wind turbines.
Loren – I live in Ottawa and there are no turbines near my home.
Randi – I did live within 1 km of the Toronto turbine and I was there when it was put up.

34. Comment: Infranoise, base sounds. subwoofers, diesel engines, forage blowers, smoke detectors emit 80-90dBs.

35. Q; Are Mr. Knopper and Ms. Rahamim being compensated for their appearance at this meeting?

A: Yes, they aren't being paid to say what we want but to provide their services and expertise. Loren has a PhD and he is not going to compromise his professional integrity to say what we want him to. He's here to handle your questions on health to a depth that our staff are probably not capable of handling.

36. Q: How will the windmills affect the viewscape and noise levels?

A; We've got three pictures on a poster board at the back of turbines placed in this setting. Turbines will have an impact on the viewscape, there's no hiding that. But your perception of that as positive or negative is up to the individual. Research from 2010 regarding your opinion of wind turbines indicates about 80% don't really care, 10% really like them and 10% really don't like them. Visually that's the best we can do, it's an individual thing. Sound wise there is a 40 dB noise limit and we have met or are below that at each of the turbines.

37. Q; Jeff – What studies are you referring to that indicates there will be no loss of property value?

A: A report from Chatham-Kent in 2010. The report is peer-reviewed and can stand on its on in that regard. It is on the back table if anyone wants to have a look at it or we can send copies if anyone would like one. There are two more from the USA that are fairly large that we can send to you.

38. Q; Will you please comment on the following from a CBC news report:

> 'Armstrong's experience is backed up in a study by Brampton-based realtor Chris Luxemburger. The president of the Brampton Real Estate Board examined real estate listings and sales figures for the Melancthon-Amaranth area, home to 133 turbines in what is Ontario's first and largest industrial wind farm.
> "Homes inside the windmill zones were selling for less and taking longer to sell than the homes outside the windmill zones," said Luxemburger.
> On average, from 2007 to 2010, he says properties adjacent to turbines sold for between 20 and 40 per cent less than comparable properties that were out of sight from the windmills.'

(http://www.cbc.ca/news/canada/story/2011/09/30/ontario-wind-power-property-values.html)

A: I'd like to read that report first hand and I need to know a little bit more about the real estate agent that wrote the report. Without knowing more about the report I can't really comment. Whoever wrote the question, please do get in touch with me and we'll talk more once I've read it.
One thing to note about the Melanchthon project is that it was permitted under the old noise rules and you could be a lot closer than allowed today, around 350 m. So you have to be careful of comparing apples to apples. There is also a report from the Melanchthon area that refutes any impact to property value.

39. Q: Why are the taxpayers paying high prices for green energy when we can buy cheap hydro power from Quebec? **And**
Q: Why should taxpayers pay more for wind energy than nuclear energy, especially when we have an excess of energy in our province? Nuclear energy runs around $0.06 kWH and wind is approximately $0.80 kWh.

A: Wind energy at this project and across the province is being sold at 13.5¢/kWh and that rate goes up by 20% of inflation. So over time the value of that 13.5¢ will go down. By the end of the 20-year contract, the Province will be getting a good deal for this energy. Also the province owns any sort of carbon credits that may be created in the future for the wind turbines. As for nuclear energy there are a lot of ways to spin that. For example does that cost account for long term storage of nuclear waste, etc.?

40. Q: How did you get approval to build a wind farm in a watershed area?

A: We assume that means floodplain. There are no turbines in the floodplain. There are roads and cables within the floodplain, but no turbines.

41. Q: Your bat and bird survey was done over what period of time? 3 years at one hour a year?

A: The bird surveys were done over several different seasons according to MNR protocols. There is a grid on the poster back there that shows what surveys were done in each year. Each survey is conducted over a few days or sometimes months. The bat surveys were conducted with radar surveys and were able to capture a lot of data in a short amount of time and I think was just a few days. Our monitoring protocols were submitted to the MNR for approval so their expertise guided the monitoring process.

42. Q: The chief medical officer of the province has never ordered a study on health issues. Are you aware she has only done a "review"?

A: I am aware of the Chief Medical Officer of Health's work, that they did a review of health effects and wind turbines, but I'm not aware of anything else that they have done in this regard. They didn't do a study, just a review of previous studies.

43. Q: Is Prowind prepared to pay for citizen appointments with their physicians and real estate agents to "baseline" the current health status and property values for those within a 5 km. radius of proposed industrial wind turbines?

A: No, visits to physicians are covered by OHIP. Property transactions are part of the public records and are available to the public at any time.

44. Q: Infrasound has been used as a war "tool" against the enemy. How do you measure this infrasound? Are you aware that animals are more sensitive to infrasound and shadow flicker?

A: If a military is using infrasound as a weapon, it's obviously at an intensity that does harm to humans. As already indicated, there was a study at nearby homes and human health was not affected by infrasound from wind turbines.

45. Q: What assurances can Mr. Knopper or Prowind provide that residents will not suffer negative health effects from the presence of industrial wind turbines?

A: It is my opinion that at the setbacks as regulated by the Province there won't be adverse health effects related to wind turbines. Can I assure that someone won't experience health effects or sleep a little less? No. 60% of Canadians identify themselves as excessively tired, so I can't make that kind of assurance.

46. Q: Wind turbines should be filled with auto fire suppression system.

A: Perhaps, but then we'd need municipal water hookups and not something Prowind has a lot of control over.

47. Q: Why has Prowind decided to notify the "stakeholders" 24 hrs prior to the meeting that all questions must be submitted in writing?

A: We did send out a notice on Jan 4th to notify everyone that pre-submitted questions will be prioritized, so there was about a week's notice. We did send out another reminder yesterday to let you know our agenda and the format of the evening. We changed the format of the meeting to the Q&A panel based on a small number of requests last fall.

48. Q: How far does shadow flicker reach?

A: Shadow is very specific to the turbine. It is the strongest when the sun is lowest on the horizon, early in the morning and in the evening. In the farthest area it reaches about 700 m from a turbine, less than 20 hrs per year if you are in the worst location, which is WSW or ESE. This is using sunshine data from this area and wind data from this project.

49. Q: Wind turbines need an auto brake should blades come loose.

A: Yes, they do have automatic braking systems in a large numbers of scenarios. There are about 500 parameters being monitored. If something is out of spec, the turbines will shut down. This is why proper maintenance is important.

50. Q: Why are the turbines so spread out? Is there a second phase being proposed in the future?

A: The turbines at this project are more spread out than you typically see. The distance between the two groupings of turbines dates back to the early stages of the project when it was actually three separate ten MW projects. Between the turbines themselves – we use fairly conservative sound models and because we are using the largest turbine size. We also have the floodplain in the middle, which spreads them out in a N-S direction. Most people would consider it a positive thing to have a less dense layout.

51. Comment: Wind energy spells green energy.

52. Q: Question for Dr. Knopper: The Environmental Review Tribunal, held in 2011, concluded that there is no question as to whether "wind turbines can cause harm to humans. The evidence presented to the Tribunal demonstrates that they can, if facilities are placed too close to residents." Dr Knopper's co-author and colleague Christopher Ollson testified at that Tribunal and said, "What is clear is that some people living near wind turbines experience annoyance due to wind turbines" and that the sound is "correlated with annoyance" with the result that "some people are also disturbed in their sleep by wind turbines." He also said that "annoyance is a health effect." Given this testimony, and the fact that more than jurisdictions in North America have setbacks greater than 550 meters (Nova Scotia at 1,000 meters for example), Dr Knopper, CAN YOU SAY WITH CERTAINTY THAT NO ONE WILL BE ANNOYED OR EXPERIENCE INDIRECT HEALTH EFFECTS FROM THE SOUTH BRANCH WIND PROJECT?

A: I agree that it’s a matter of degree; noise can be problematic. As heard earlier, it’s about intensity. There was a study from 2004 in Holland about a project in Germany that was bugging people in Netherlands, across the road. The turbines were 15 dB louder than expected. In general every 3 dB of noise is a halving or doubling of noise, so a 15 dB increase is a lot of noise. So loud noise can be problematic. That’s why Ontario has such strict regulations for noise. 40 dB is based on the WHO nighttime noise value. The Kent Breeze project was approved and then appealed under the regulation and

went to the ERT. You should read the appeal. The conclusions of the expert witnesses on each side of the argument are in there. Different jurisdictions have different setbacks as mentioned before based on different circumstances, but in my opinion, projects at 550 m and 40 dB will not be related to adverse health effects.

53. Q: You said there is no property value loss. Why is it then that real estate appraisals have added a line asking if there is a wind farm coming to your area?

A: I'm not aware of that question on the sheet. Can someone clarify what this is?

Clarification: It's actually on the SPIS and it's in the category of quarries and garbage dumps, specifically for rural properties.

A: I'll take a look at that.

54. Q: If I have my property assessed now and its assessment is less after turbines go up who is responsible for the difference? Prowind or the landowner with turbines on his land?
A: Property assessment is based on a number of different circumstances. Maybe the appraisal has nothing to do with the turbines. Empirical evidence shows that there is no loss in property value with adjacency to wind farms. Just today I was looking at Geowarehouse and properties around wind farms, and the properties in that area all went up in value.

55. Q: I would like to know if your company has conducted, or intends to conduct, independent environmental/health and safety studies on the impact of your proposed wind turbine installations and make the results of these studies widely available to residents?

A: Prowind is not in business of doing health studies. It's beyond the expertise of our staff. We rely on the medical community and the public bodies to oversee and to provide guidance on issues with health and that's quite common among all development in the province.

56. Comment: Nuclear power needs to be dismantled. Coal fired energy is the dirtiest energy.

57. Q: How long (period of time) will Prowind control the South Branch Wind Farm? When will it be sold to another company?

A: Generally speaking, irrespective of who owns the project, any agreements made with the province remain in tact for the duration of the wind farm. The most recent requirements in the Green Energy Act, there are structures in place that requires ownership to remain for a certain period of time. If there is concern that Prowind sits

here and tells you one thing and someone comes in and buys the project, just know that all the commitments remain in tact throughout the lifetime of the project and do not change with ownership.

Follow up Q: But how long are you required by law to own it, to retain a portion?

A: To retain a portion, I believe that's two years. There are two types of developers – some companies like to develop and some companies like to buy developed projects and some do both. There are rules in Ontario about how these projects can be bought and sold.

58. Q: Who pays the taxes on the turbines? How are they calculated? AND

Q: Will Prowind pay industrial rate property tax?

Prowind is responsible for the taxes. There is a formula that MPAC has - $40,000/MW + value of an acre of land /turbine and the acreage of the substation and the value of the structures of the turbine and the industrial rate gets applied to that which is 4.5% or so. And that adds up to $60,000+/ year for the project.

59. Comment: dry chemical extinguishers (regarding fire suppression in nacelles)

A: There are extinguishers kept in the nacelle of the turbine and at the base of the turbine. Wind turbine O&M are not obligated to fight fires that are out of control. It might be possible to have a sprinkler system with dry chemicals, but I'm not aware of the technology.

60. Q: Technical question: With respect to 40 dB noise threshold, what frequency span is measured? Does the measurement include noise below 20 cycles? I.e. infrasound?

A: We contract out our noise study; they look at 63 Hz, 125 Hz, 250 Hz, 500 Hz, 1000 Hz, 2000 Hz, 4000 Hz. It does not look at anything below 63 Hz. But post-construction sound monitoring does measure below 63 Hz.

Follow up: That puts the noise study totally out to lunch if it doesn't measure infrasound.
A: The study that measured infrasound in Texas used Siemens and GE turbines and is applicable because those turbines are being used here. And the infrasound levels there were below US, UK and Japanese guidelines.

61. Q: Mr. Knopper: in your recent review paper, you and Dr Ollson conclude that there are health effects from exposure to the environmental noise produced by industrial wind turbines but that there must be a "trade-off" for renewable energy technologies. Are you telling us here that we must sacrifice our community and our health to a

"greater good" when in fact, wind power has never replaced fossil-fuel power generation anywhere in the world?

A: Environmental noise can be related to health effects, but our conclusion is not that noise from wind turbines causes health effects, unless you had very loud turbines, but in Ontario at 40 dB we do not believe it will have any impact to human health. In fact from studies in Sweden and Holland, noise doesn't seem to be much of an indicator. People who economically benefit from the turbines don't feel health effects from noise.
With regard to "trade off" – you don't have to sacrifice your community or your health because at 40 dB they will not have adverse health effects. The province is investing in the idea of green energy and it's up to the province to decide if it's the right route.

62. Q: What is involved in tear down of the wind farm? **AND**

Q: After 20 years who is responsible for de-commissioning and what does it entail? What responsibilities does the landowner have at this point?

A: Decommissioning of the wind farm today is of net financial benefit. The scrap value of the copper and steel that goes into it is worth more than cost to take it down. It makes sense that in the future these materials will be worth more and the decommissioning process will never be in the red. Additionally, we are placing money in escrow, $1000/MW/yr, so $600,000, not counting interest. So there is no reason to think that once the turbines are done operating that they'll be left abandoned.

Follow up Q: so at the end of 20 year the wind farm is done?

A: At the moment the PPA is for 20 years but there's no reason to expect that that wouldn't be offered again. But if that doesn't happen, the cost to take down the turbines will be less than the value of the scrap material. And in 20 years the technology will be different and new components may be applied. In Europe they are removing smaller turbines and putting up fewer larger turbines that produce equal power, that is called repowering. Newer turbines are also more efficient, so repowering after 20 years may be a good idea. At the end of the 20 years we'll know better what the options are.

Follow up Q: but what are ALL the costs? Will the Township be left to clean up?

A: Prowind will be responsible for all the costs even if it is more than what is in escrow because there is net gain to taking down the wind farm and selling the scrap. The township will not be responsible. That commitment is made with the Province.

Follow up: Can you provide us with the break down of the $600,000? Where did you come up with that number?

A: I'll take your name and get back to you.

63. Comment: Cows mooing can exceed 40 dB quickly. Feed carts exceed 40 db. PTO farm generators under full load over 80 dBs.

Comment: Household forced air furnace systems produce low noise. Grain elevators. Plow trucks going down the road with plow down.

Comment: Have variable blade pitch. Prime annoyance example: the milk board.

Comment: Farms produce deafening noise levels. tractors, combines, milker pumps, agri-vacs, manure pumps, barn cleaners, fans, milk tank compressor.

64. Q: Why has Prowind chosen this Q & A format, one where questions must be submitted in writing, and where the opportunity for re-buttle is lost?

A: There are various formats we can choose for this meeting. In the past we've had open houses and there is good opportunity one on one conversations. This format is better for large groups and one of the sacrifices is that there's not as much opportunity for back and forth. I think you can appreciate that we wouldn't have been able to get through all the questions if we did. That is why we asked for questions in advance so that we know how many questions we're dealing with and can try to get them all addressed in the time we have.

65. Q: We can hear the 401 where we live and it's 5 km away. If we're "annoyed" by the constant hum of an industrial wind turbine what can we do about it?

A: If there is a sound problem at your house, there are ways to document your complaint. If you are annoyed, that's a very personal thing. The sound limits are where there is there is room for real legal recourse, in my opinion.

Follow up: It'd be nice to hear what the turbines sound like here. To have a recording at 40 dB playing in the back.

A: There is definitely no replacement for personal experience, go visit a wind farm and listen to them up close. Try to get a distance that you'd be living from the turbines and see what it's like.

66. Q: Were health studies performed on children or adults?

A: Most studies look at adults, I'm not sure the lowest age surveyed and I'm not aware of studies specifically focused on children.

67. Q: Who do I contact if I have problems from the wind farm in the future?

A: In the REA there are provisions for complaints. The proponent is required to respond to complaints. Noise complaints are very prescribed by the Province, for other complaints, it's more of an open process. There will be a phone number and email to use to contact us. You can also complaint to the MOE if you feel the proponent isn't doing a good job of responding.

68. Q: What are setbacks from the turbines to the nearest home?

A: Distance to nearest home is 614 m. The average between each turbine and closest home is 729 m. Without the floodplain we could be much further, but this the environment we're in.

69. Q: Should Prowind go bankrupt who takes over?

A: Creditors will step in and operate the wind farm as per requirements laid out in the REA.

70. Q: Are there any "environmentally sensitive" components in any parts of a turbine? Also how and who will be responsible to remove the base in order to return the land in its "before" state to the landowner?

A: I imagine you're referring to something that can be environmentally damaging, depends on the turbine model. If the turbine has a gearbox, not all of them do, the gearbox has a lubricant, about 200-500 L. That gets replaced sometimes and someone qualified needs to do that. This would be disposed of a according to Provincial regulations. Our permitting has a proposal for a storage shed that may be used to store some fluids until they can be removed from the site, but in rural areas this is quite familiar. Lubricants and oils are what we're dealing with, same as big farming machines. Removal of the turbine base requires a jackhammer to remove the base. Typically the base is not removed in entirely. What is typically accepted is that you remove the top portion to 3 or 4 feet and the remainder is left.

71. Comment: Helicopter pilots experience this flicker effect. main rotors RPM is way faster than blade rotation on wind turbines.

Comment: Corn dryers are noisy.

72. Q: What professional body has deemed Mr. Knopper as a "health and wind turbine expert"?

A: There is no professional body that governs what I do. I have a PhD in biology with an emphasis in toxicology, Master's degree in biology with an emphasis on sociology, and an undergraduate degree in biology. There is no governing body that deems me as an expert. I've published on the subject in a very credible journal that has been referenced

many times and can be accessed online for free. I've been to numerous public meetings and talked about wind turbines and health effects. I've been doing environmental health studies that look at variables in human and ecological health for over 13 years. I'm an adjunct professor at the RMC and the University of Ottawa.

73. Q: Why has Prowind chosen to use a researcher who's training is in toxicology as a "health and wind turbine expert"?

A: I think Loren's answered the question. He's a well-respected academic who as published credible scientific papers that is available to anyone for peer reviewing. He's looked at a lot of the studies that are out there, so when you have questions about those studies, chances are he's read them and that's why he's here to talk you.

74. Q: Prowind is a German company. Ontario is in deep debt. Should subsidies be removed what would Prowind do and how would it compensate the landowners?

A: Prowind Canada is a Canadian company and its parent company is in Germany. Prowind has contracts to sell power for this project, but if they decide to remove the FIT program, then there's not much work for folks like us. Currently this is not the case and there are ambitious goals to build wind energy in the Province.

75. Q: Juan told me at the last meeting that it could be possible that my children could have adverse health effects. Why today is that now different.

A: That's not exactly what I said. What I said was that I'm personally not a medical expert and I can't make any guarantees about what will happen to anyone whether the wind farm is built or not. If you are annoyed, there is a potential you'll experience health impacts from being highly annoyed. There is nothing directly from the turbines that will cause health effects.
Studies from Sweden looked at various inputs, such as attitude and visual cues and how they relate back to wind turbines. It shows that at different noise levels people can be annoyed by wind turbines, but what the driver of that is, is actually visual cues and attitude, especially attitude. So statically the driver of noise annoyance is not noise, but attitude. I've spoken to a lot of people, and generally the more information they have about the project, that level of annoyance goes down which is why we have these meetings.

Follow up: so you're saying that kids know stress?

A: Definitely. I don't see why not. Anxiety and stress can be due to environmental change and the effects from stress (sleeplessness, etc) tie back into a range of environmental changes.

76. Q: Why has Prowind chosen to use a moderator who works for a company that has obvious ties to the wind industry?

A: The role of a moderator, someone with experience with energy and wind and this type of meeting is important. The role that you play is to read the questions and keep the meeting rolling and I think you've served that function well.

77. Q: Who is responsible for changing the land use zoning?

A: That is not part of the REA process anymore decided at the provincial level. Agricultural land is allowed to be used for renewable energy projects. For wind energy, any agricultural land is fine as long as it meets the setbacks. For solar, only class 3 and 4 land can be used.

78. Q: Given the fact that Mr. Knopper's paper that has been referenced by Prowind (http://www.ehjournal.net/content/10/1/78) states: "Conducting further research into the effects of wind turbines (and environmental change) on human health, emotional and physical, as well as the effect of public consultation with community groups in reducing pre-construction anxiety, is warranted." and the fact that a significant portion of the population living near industrial wind turbines are reporting negative health effects (not to mention world-wide), why has Prowind decided to move forward with this project?

A: We're under the impression that a fair number of studies have been conducted. Not everyone feels that way. But there is a fair amount of research that has been done. As long as they are in compliance with the regulation, then they are in compliance with the regulation and there is no onus on the company. In 2004 when we started this research there was only 14 articles regarding this issue and there are a lot more today.

79. Q: How many "permanent" jobs are going to be created directly linked to the project?

A: When the wind farm is commissioned there are a higher number of jobs needed for maintenance, etc. In the beginning, permanent jobs are about 10 for a given period. Ongoing permanent jobs are expected to be 2-3 with period of higher number of people required for large maintenance jobs. During construction you can have up to 200 people for a 6-month period working on the site.

80. Q: What are the economic benefits of the project for the local community?

A: There are Municipal taxes at $60,000 +/ year, building permit one time fee at $55-75,000 range. We are proposing a community development fund $25,000/year to be decided upon by a local committee to a cause that helps the wider community. Further than that we can say clean energy for about 7500 homes.

81: Q: What happens if in the future we discover that human health has been affected. What is our recourse?

A: Scientific studies need to be conducted and peer reviewed and look at the techniques and the conclusions need to be evaluated.

82: Q: How can the dialogue between the public and Prowind be considered open if you haven't allowed any concessions in the process with regard to our feedback?

A: There actually have been a number of changes made to the project; some of them may not be obvious. The floodplain is one, the icing report as well, one turbine location was dropped, road entrances were adjusted, request for cables to be buried. We are taking information and reacting to it. This meeting itself is a request from the public to have someone here that can answer health questions. So we have made some changes based on public feedback.

APPENDIX E3

RESULTS OF FINAL PUBLIC MEETING IN EDWARDSBURGH/CARDINAL

South Branch Wind Farm – Public Information Open House

Date: Wednesday, January 11, 2012 **Location:** Drummond Building
Time: 6:00 pm to 9:00 pm 22 Ryan St. Spencerville, ON

Please return completed surveys to Prowind Canada Inc. via:

Address: 226 ½ James St. N. Unit A, Hamilton, ON, K0G 1J0 **Fax**: 866-203-6516 **Email:** info@prowind.ca

Please use the back of the form if additional space is needed. All responses are optional.

1. Name: _____ 2. Email: _____

3. Mailing Address: _____

4. Would you like to be added the mailing list to receive future updates on the project? YES NO

5. Approximately how close to the South Branch Wind Farm do you live? 0-5km 6-10km 11-20km >20 km

6. Would you like any additional information (studies, handouts, etc.) sent to you? If yes, on what topic(s)? _____

_____

_____

_____

9. A portion of the annual revenue of the completed wind farm will be donated to community-based programs, organizations, resources, or events. Please provide your suggestions for suitable recipients. _____

_____

_____

_____

10. Do you have any additional comments you wish to share with us? _____

_____

_____

_____

_____

_____

_____

_____

This information is collected to help us understand your concerns and improve every aspect of our project. Personal information collected is for **internal office use only** and will not be published or otherwise disclosed. Your comments may be **anonymously** published in our Consultation Report.

Prowind CANADA

SOUTH BRANCH WIND FARM PUBLIC INFORMATION OPEN HOUSE

Date: Jan 11 Time: 6 pm to 9 pm Location: Spencerville

	Name* (Please print clearly)	Place of Residence (Town/City)	Can we add you to the project mailing list?	E-mail or mailing address* (for mailing list)
1	KEES VAN EMGEN	FINCH	☒ Yes ☐ No	[redacted]
2	[illegible]	[illegible]	☐ Yes ☐ No	
3	[illegible] Reeves	"	☐ Yes ☐ No	
4	BRANDON STONE	JOHNSTOWN	☐ Yes ☐ No	
5	Brian Antonich		☐ Yes ☐ No	
6	Ken Little	Toronto	☐ Yes ☐ No	
7	ARON BRAHAM	PORTLAND	☐ Yes ☐ No	
8	Albert + Betty de Wit	Spencerville	☐ Yes ☐ No	
9	Carol + Mark Packwood	"	☐ Yes ☐ No	
10	Gerry Morrell	Johnstown	☐ Yes ☐ No	
11	Bill + Cindy Byker	Brinston	☐ Yes ☐ No	
12	RICK DOUMA	IROQUOIS	☐ Yes ☒ No	
13	LUKE GELEYNSE	KEMPTVILLE	☐ Yes ☐ No	
14			☐ Yes ☐ No	
15			☐ Yes ☐ No	
16			☐ Yes ☐ No	
17			☐ Yes ☐ No	
18			☐ Yes ☐ No	
19			☐ Yes ☐ No	
20			☐ Yes ☐ No	

* Personal information collected by Prowind is for **internal office use only** and will not be published or made available to anyone.

Final Public Meeting in Township of Edwardsburgh/Cardinal

Spencerville, January 11, 2012

Meeting Transcription

Introductions:

Jeff Segal
New president of Prowind Canada. Provided a welcome to the crowd and set stage for event.

Juan Anderson, BEng.
Has worked for 4 years at Prowind as energy developer. Previously was engaged at Martin Ince & Associates, a consultant firm working on the South Branch wind farm. He has 6 years total experience in wind energy development.

Rochelle Rumney
Has served 3 years at Prowind as an Environmental Coordinator. She is responsible for REA and coordinates fieldwork and serves as the liaison between consultants, ministries and other external stakeholders.

Loren Knopper
Loren is a senior scientist at Intrinsic Environmental Sciences. He is here to talk about human health and wind turbines. Has been doing Environmental Health for many years, with a focus on wind energy environments for past 2 years. Lorne has a PhD in biology with emphasis on toxicology.

Other third-party consultants that have been engaged as part of the Renewable Energy Approval process for this project are listed here.

- Dan G. Busby – coordinated and managed bird surveys
- EchoTrack - Dr. Rhonda Milliken – radar monitoring of bats
- Beacon Environmental - environmental consultants and field experts, Ron Huizer and Dan Westerhof
- Zephyr North – noise assessments and reports, Dr. Jim Salmon
- YRH et. Associates – Telecommunications and TV reception study
- Archaeological Research Associates Ltd. - Archaeology and Heritage Impact Assessment, Mr. Paul Racher

Randi – Introduced herself as moderator, presented instructions for questions and described the intended meeting format.

1. Why has Prowind chosen this Q & A format, one where questions must be submitted in writing, and where the opportunity for rebuttal is lost?

JA: The format of the meeting was from a small number of requests to have a Q&A session as opposed to the open house style. We agreed to do that, based on the small number of requests, but at the same time, to allow everyone to have their questions answered we requested the questions in advance from the local community and have those as a priority, and that's where we've arrived. Yesterday, what we did in addition, was that we took questions from the floor and mixed them in with pre-submitted questions so that people had a chance to respond with follow-up questions, and that worked quite well and so until we get through our initial list, I think that's how we'll proceed.

JS: Just wanted to add that under the Ministry of Environment reporting requirements, tonight's meeting is in fact, well beyond what the minimum requirements are with the MOE, and as Juan said, we're here because there was a request from the community to come and speak to the residents of the community and answer the questions and concerns.

JA: Also from the municipality of Edwardsburgh/Cardinal, so we adapted that format for both municipalities.

2. What percentage of people have ill health effects from wind?

LK: Good question and one I don't have a very good answer for. I don't think there are, or that I've come across, any studies or statistics that have looked specifically at the number of people that get ill from wind turbines. A number of studies have looked at how people perceive wind turbines and annoyance pops up. So are people highly annoyed or annoyed by wind turbines and studies from Sweden and Holland and studies on noise itself from Canada, by Health Canada seem to suggest that about 10 % of people in the vicinity of wind turbines tend to identify as being annoyed by a turbine. That annoyance doesn't necessarily translate into some sort of health effect. I'm sure you've heard of people who say they have ringing in their ears or cardiovascular issues, or vertigo, or headaches; that doesn't directly relate to annoyance, so the question, 'what percentage of people will get ill from turbines?' I don't know if there's really any evidence about that right now.

Q: Is the percent zero?

LK: No. The percent is not zero. Annoyance is very a personal feeling. Certain things annoy people that don't annoy others. Studies have shown that in terms of noise itself, a baseline level of noise annoyance, regardless of what the noise is (wind, trains, planes, you name it), a baseline level of annoyance is about 8-10 % of the population. So

regardless if the wind turbine is there or not, or an airport there or not, or some other noise source there, about 10 % of people are annoyed noise anyway. So I don't think you'd ever reach a zero percent annoyance, in general.

Q: But I'm talking about annoyance. I'm talking adverse health effects as a result of the annoyance, is that percent zero.

LK: No, its not. Studies have been done show that in certain people that annoyance is a driver of some of the health effects. In some cases, some people do have, they complain about not being able to sleep, they complain about vertigo or dizziness, things like that, and that's been reported, but is it zero? No, it won't be zero. It doesn't necessarily mean it's going to happen, but studies that I've seen don't come up with a zero for that result.

JA: Could you maybe clarify for us Lorne, is that directly from the turbine, or indirect as a result of the circumstances?

JS: Or possibly are these numbers related to setbacks? If some of those reports were at different setbacks than the Province now requires.

LK: In the Province of Ontario, in order for a turbine farm to go up, there's got to be a minimum setback distance of 550 m from a receptor location, or a dwelling, a house or something like that. It can't be louder than 40 dBA. And 40 dBA is the World Health Organization's nighttime noise level, which is a health-based value, where people's sleep won't necessarily be interrupted. That's a 2009 WHO European Union Report, you can easily get access to this from the Internet. And so at that 40dB, that's what limit the Province is going with. In my opinion, with those setbacks and with that 40 dB [limit], this project or any project that's approved under the process, won't be directly related to adverse health effects. In terms of indirect health effects, is there something unique about wind turbines that's causing health effects? I think the answer is no. A lot of studies have shown this, there's nothing unique about a turbine.

LK: Yes they produce noise, but at that 40dB range, it's not related directly to adverse health effects. That's what Arlene King, the Chief Medical Officer of Health wrote and that's what the Province is going with. Studies from Europe have shown that people are annoyed by wind turbines. And If you look as things like attitude toward wind turbines and visual cue about wind turbines (do you like the way they look, do you not like the way they look? Do you think they're' beautiful, do you think they're ugly, do you think they're beneficial, do you not think they're beneficial?), the subjective variable, such as attitude, comes out as a much stronger predictor of annoyance than noise itself, which is something direct from the wind turbine. So It's this indirect effect, this idea of a negative attitude, that's statistically related to annoyance and adverse health effects.

LK: I think that answers the questions about the difference between indirect and direct effects.

Q: Is the 40 dB at the turbine itself or at the homes?

LK: It is at the homes.

Q: So it's much higher at the wind turbine. How high is the noise at the wind turbine?

JA: In the reporting that we've done, because we haven't finalized the turbine model, we've gotten all of the sound data from the manufacturers and we've taken the highest number of everything that they've shown us, and so we've used that number for our noise modeling and that's 106.4 dBA at the source, and that's in the reporting and so how that then translates; that's considered to be at a source point, and the further you get from that point, there are various factors that bring that noise level down. As it travels through the air, the air absorbs some of the energy, the energy becomes more dispersed the further away you get, etc. and so that's how the noise modeling is done. The noise limit of 40 dBA is at any receptor, which is defined as a house where the landowner is not participating in the project and also in addition, vacant lot where a house could be built if the property is zoned to allow that.

Q: Is that inside or outside?

JA: That is measured at the centre point of the house, so that's where the receptor location is considered, but it corresponds to an outside reading. So presumably inside is quieter than outside, but they're using outside levels. And that's at the second storey height as well, so that makes a difference as well. Near the ground, the sound levels are lower, and they go up as you get higher.

3. Why hasn't Prowind chosen a turbine model yet?

JA: There are several reasons. Largely due to us wanting to find a turbine that is right for this area's wind regime and a manufacturer who can meet the Ontario content regulations, which have gone up to 50% for this project. So, previous projects, some earlier projects in the FIT program that were given contracts, were required to meet a 25 % domestic content level; we're required to meet 50%. And that requires that the turbine supplier to the project will have a certain degree of manufacturing set up in Ontario. We want to be able to choose from the companies. I mean, there are a lot of companies that say they're coming, and some of them are already building, and some of them have very advanced plans to come, and we want to make sure we have the best choice of all them.

4. Who pays the taxes on the turbines? How are they calculated?

JA: Prowind pays the taxes, and I have a little number here. Municipal taxes at the industrial rate would be about $60,000+/yr for 20 years. The formula for that is determined by MPAC. The formula is an assessed value of $40,000/MW + value of an acre of land times the number of turbines, so an acre of land per turbine. The value of the land that would be under the substation and the value of any structures that are associated with the facility. And so those are all summed up and the industrial rate is applied. So you're in the $60,000 range.

JA: Now this project borders two municipalities; most of the turbines are proposed in South Dundas, and there's one turbine proposed in TEC, so there'd be a division, and obviously different rates apply as the rates differ in each. That's how they're calculated and they come out of the revenue of the wind farm.

Q: So when you have a situation like that where you're split between two municipalities, which industrial rate are you going to use?

JA: In Edwardsburgh/Cardinal we use the rate there, and in South Dundas we use the rate there. It's divided by the infrastructure. The infrastructure that's in one will be taxed at that rate, the infrastructure that's in the other will be taxed at the other rate.

Q: What is assessable again?

JA: It's $40,000 per MW plus an acre of land per turbine and then the value of all structures, as things are typically assessed and the land underneath the substation as well.

JA: So elements like the transformers, the electrical equipment would not be part of that.

5. How is the setback formulated in Ontario? By who? And what scientific evidence was used and where is the report?

LK: I don't have an answer to all of this. The setback in Ontario is the 550 m and 40 dBA. The 550 m is tied to the 40 dB, not the other way around. And so in the Province, a turbine be any closer than 550m and that distance cant have a noise greater than 40 dB. That 40dB, as I said earlier, is the same as the noise level that the WHO in Europe has set for a night time noise level, in their 2009 report. So if you download or access that 2009 report, it's got it all outlined. How they come up with that 40 value, based on measurements, and all the information they have. If you want to know exactly how the MOE went about doing that, you'd have to contact the MOE.

6. What is the cost of a wind turbine and are the taxes based on the market value of the wind turbine as our homes are, or is it a reduced rate?

JA: The taxes are based on MPAC's formula, which is the $40,000/MW. The costs of a turbine can vary, depending on how large it is. Jeff, you might be able to speak more to how much an individual turbine costs. A common turbine costs these days is in the 1500/kW, so $1.5 million per MW. So a 3 MW machine is in the $4.5 million range, typically. But that's a lot of electrical components and equipment inside of it and that's where a lot of the value comes from so we're not being taxed on that, just like in your home you're not being taxed on the value of your TV. With a wind turbine you're not being taxed on the value of your generator.

7. Where is the substation being located, and how much noise does it produce?

JA: The substation is located about halfway between Brinston and Dixon's Corners and halfway in between the lots, starting Brinston Rd. The substation is 422 m from the nearest residence.

JA: As for sound – a substation is at a voltage below the threshold for what needs to be included in the noise assessment, so that information is not reported on. It's considered a small enough size that it's not considered a significant noise source. Typically, at source of a transformer at a substation of this size is 70-80 dB range, and that's at ground level, so it's not going to propagate as much as if it were up in the air.

8. Why aren't the turbines being placed where there's more available land?

JA: Some initial layouts had turbines in areas which are part of the 100 year floodplain, and so after we consulted with South Nation Conservation, as many of you are aware in the portion of the project that's in South Dundas, there's a very large floodplain there; the 100 year high water mark. That really forced us to move our layout around because the policy is that you're not allowed to build turbines in the floodplain. You can put roads and cables, but not turbines. So when you look at a map there may be a lot of land that you think is available and some of us in the very early stages thought so as well, but once we started doing our consultation, we very quickly realized that not all that land is actually available for turbines.

9. Has Prowind conducted or does Prowind intend to conduct any site-specific heath studies, and if not, why?

JA: Health studies are outside the scope of Prowind's expertise; they're also not a requirement of the REA process. That is something that we rely on the medical community and the Province to handle. We respond to the policies they set based on the information that's available.

10. What is the website address where the Dr's health report is located?

LK: I don't know the exact address, but if you type in my last name (Knopper) and wind you can search for my name and it's one of the first things that pops up. The journal is called 'Environmental Health', or you can search the journal Environmental Health. We have reference sheets with the link listed on there that you can take home with you, and copies of the report on-hand for reference.

11. Will dead birds and bats be picked up on a daily basis as happens on Wolfe Island?

RR: We have prepared a post-construction monitoring plan in consultation with the MNR. They have protocols in place that decide when we pick up bird and bat carcasses. It's not every day, I think it's eight months of the year almost, from April to October, and it's every third day, or something similar.

JA: Maybe you should explain about the protocol, and what they're looking for; what the limits are in the protocol at the same time.

RR: The process is that we are out there looking for any sort of, if there are bird and bat mortalities, we would be out there looking for those. It doesn't necessarily mean that there will be any there.

JA: But they are expected.

Q: But that's only around the base of the turbine that you'd be looking for carcasses?

RR: Yes, within a 50m radius around the base of the turbine.

Q: So with the coyote population in the area, every 3 days, that's going to be problematic

RR: We take that into account as well. We do scavenger surveys as well. These are carried out every month, or 2 months. In these trials we place carcasses out that have been gathered from somewhere else and we tag them. Then come back to see how many have been removed by scavengers and incorporate that into the calculation.

JA: And then if there is a certain limit, a certain number of birds found or a certain number of bats found, what happens?

RR: There's a threshold. So if we hit a particular number, which is outlined by the MNR, we're required to mitigate by turning off the turbine at a particular times of day or particular times of the year, when there are a lot of birds or bats in the zone, but that's only if we hit a certain number which I think it's 10/turbine/year.

Q: So, let's say the coyotes don't come and take the carcasses, so, when you take those carcasses, do you send them somewhere to determine the cause of death, whether it was actual hitting of the turbine blade, or if it was the hemorrhaging of the lungs of the bat?

RR: The bats we do send away, but not the birds. The birds we count; we assume it was a collision. Once we get that number, we report that. We have to report all numbers to the MNR regardless, but if we hit a particular threshold, then we have to come up with a mitigation plan and make sure that number stays below that level.

JA: It might be appropriate to comment on the pre-construction monitoring that's been done. It goes into trying to determine if it's going to be a problem; if birds or bats are expected to be a problem.

RR: We've done extensive pre-construction surveys. We've been talking to the MNR for 3 or 4 years coming up with protocols and monitoring plans to monitor the abundance and diversity of birds and bats in the area, in advance. The best way to reduce bird and bat kill is to locate your wind farm in an area where there isn't a high abundance and diversity of species. This area is typical for agricultural areas, there's a low diversity of bird species in this area and this is a good place to build a wind farm to have minimal impacts on birds and bats.

Q: So you're saying there aren't a lot of Canada Geese in the area?

RR: There are a large number of them, but they aren't a very sensitive species and not a high priority for the MNR.

Q: My concern is that Canada geese are a nice tasty bird for coyotes and we already have a lot of coyotes in the area. So we don't want the carcasses attracting more of them. Because we have sheep farms in the area that have legitimate concerns.

RR: There has been lots of post-construction monitoring done at other wind farms that have been build and results so average about 1.7 birds/turbine/year, so with 14 turbines, it shouldn't present a high number.

Q: I just want to make sure I got that clear. 1.7 birds per turbine per year, as a result of collisions?

RR: Yes. That's based on work done elsewhere in Ontario, on a similar type of site. It results from operational wind farms and the carcasses they collect. That's the average, yes. We have supporting reports on the table. That is based on more than one year of operations data. It's fairly minimal compared to collisions with cars and house cats killing birds.

12. What is involved in the tearing down of the wind farm?

JA: It's much like the reverse of construction, decommissioning the turbine, taking the blades off with a crane, take off the nacelle, take down the tower, jackhammer and removal of the concrete down to the foundation, down to a certain level. Cables can be removed or left in the ground, but are typically removed because of the value of the materials, which can help to pay for decommissioning. For the roads, the gravel will be stripped away and sold and topsoil will be spread back over the area.

Q: How much of the foundation is left?

JA: Typically a meter or 3 to 4 feet is taken off from the surface, so below plough depth, depending if there is tile drainage in the area, that can be rerouted if need be.

Q: What would trigger decommissioning?

JA: The current contract for the project is that the Province will buy the power for 20 years. At the end of that time, at the moment, there is no certainty as to, will there be a market for the power, will be able to continue to sell the power, does it mean the project is over? So that will have to be determined closer to the end, and that is a policy decision and will need to be determined at that time. So if there is no more power purchase agreement, then the project can be taken down. If there is a new opportunity to sell power, we can continue, or be redeveloped if that's a possibility under the policies of the time.

Q: But does the contract require demolition upon decommissioning?

JA: Part of the renewable energy approval process is that you present your plan for decommissioning, and that's part of the approval process is that you're committed to decommissioning. And the owner of the wind farm is liable for the decommissioning of the wind farm. That's not something that lies with the municipalities or the landowners; it is the responsibility of the owner of the wind farm.

Q: By contract?

JA: Yes.

JS: There are two additional mechanisms by which the decommissioning of the wind farm is insured. First, there is a commitment by Prowind to create an account in escrow, every year there will be money contributed to that so that if in 20 years, turbines are not repowered, and no new agreements to sell power are entered into with the Province, there will be that money set aside, to the tune of $600,000 20 years out.

JS: Having said that, at today's value for scrap metal, the cost of taking down a wind turbine is less than the value of the scrap metal itself (and the aggregate as well), just as a whole package of decommissioning a wind farm, it's profitable to take it down in that sense.

Q: Well, we've heard these arguments before.

JS: It's very quantifiable. There are x tones of steel, y tones of copper throughout the project and that is all based on commodity price. It's very quantifiable and easy to get to, in terms of the number.

13. Prowind does not have any individuals living in the community. The installation will never affect your lives and therefore the act gives too much power to the people who are not part of the community that they are destroying and are unaffected by the damage being caused on the residents in the turbine areas. What are your thoughts on this?

JA: Inherit in that, we refute the idea that we are destroying the community. No one at Prowind honestly believes that we are destroying the community. The number of people who feel that way in the community are a minority as well, from our perspective.

JS: I don't believe that we're destroying the community. Further to that, Prowind has also committed to providing a community benefit fund to the tune of $25,000 annually. The money will be spent as will be allocated by members of a board that will be set up from community.

Q: Will this also be split? (Because there are two municipalities.)

JA: The money may not fall under a municipal controlled entity, necessarily. A local committee can control it, as long as the money is spent within the project area, I think that would be acceptable. The rules around how the money will be spent are not laid out in a concrete way, yet. The idea is that it goes to something for the greater benefit, a public benefit for those within the project area. Like renovations to a community centre, funds for a park; that's for the committee to decide and I think as long as there is a greater benefit, then that's an acceptable use of the funds.

Q: It's two areas though.

JA: It is two areas, and so there's going to have to be a balance struck. It could be divided every year, it could all go in one area, and that's something to be honest, that we're not here to impose on the area. It's something the committee would need to determine. Prowind would have to have a final word, a yes or no could the money go toward the place proposed to ensure that it is not going into somebody's personal pocket and not being misused, but the decisions would be at arms length from Prowind.

14. When can we see that the questions we're asking tonight have gone into the report to the MOE? Have all of our questions been recorded?

JA: This goes back to one of the reasons is why it's easier to have questions submitted in writing, it's much easier to keep track of all the questions.

JA: After the final public meetings are held each municipality, and this is the final public meeting here, then we're required to assemble a consultation report. The consultation report deals with what responses have we got, what questions have we received from the community, from the Municipalities, from the FN groups, from provincial agencies as well and how Prowind responded.

JA: So that is made available and posted on the Environmental Registry. That's publicly available. If you feel there's something in there that isn't properly representing what you feel should be in there, that [comment] goes to the MOE to decide whether we've done a proper job.

Randi: Additionally, I'll just note that the meeting is being recorded. We aren't recording the audience, but we are recording the questions so that they can be accurately incorporated into the consultation report.

15. What happened at the first two meetings where questions were asked of individuals representing your company? It was very informal session with no formal question and answer. Will you send us copies of the questions that were answered?

JA: Yes, after each of those meetings, we assemble a list of questions that we were asked and the list is usually quite long. Those become part of the process as well. WE also include any materials that were at the meeting: posters, poster boards, etc. that were made available. That information is included there also.

Q: Does anyone in your organizations live near one of these wind farms?

JA: I was born in Germany and I lived in Canada virtually my entire life, but I have a lot of family in Germany. I have family quite close to wind farms. I've gone there a lot. They've never had any problems living in that environment.

JA: I live rural. There are two wind farms proposed in the area where I live, one of them is potentially quite close, adjacent landowner to me. He owns a large acreage. That's high ground. It's quite possible that there'd be a turbine there; they're not at a stage where they're divulging turbine coordinates. I have a family and three children. I'm on the mailing list and I'll be at the public meetings. Yes, from my personal perspective I do have experience on the other side of wind development.

Q: But you don't live by one day by day like any of us will.

JA: No, and that's were the setbacks come in. When you mean "by", at this project, the closest turbine to a residence is 614 m. If you took each turbine and determined the closest non-participating residence to each turbine, the average number is 729 [m]. So the turbines are set back a fair distance, well above the minimum required and within the sound compliance.

RR: Additionally the owner of the company, Johannes Busmann, in Germany has a turbine in his backyard and that's how the company got started. He put one in his backyard and got started from there.

JA: Right beside his dairy barn, the turbine is a few meters more than total tower height from his house. If it fell over, which is purely theoretical, it lands on his doorstep, pretty much. It's a large turbine, an Enercon E70, and that's how Prowind got started.

16. When there is an emergency situation at a turbine; like a hydraulic oil leak, will the non-participants be notified?

JA: There's a requirement to notify the public of any risk to the public due to something in emergency that would happen onsite at the project. That's included in the Design & Operations report, which is part of the REA package. You can read about that there. If it's something that affects the wider area, there absolutely will be notification through various media channels, and you can see that is outlined in the report how that will be done.

17. What road systems will be used to bring in all of the materials used for construction?

JA: The routes taken to get to the site are not part of the scope of the REA package. That being said, this area has been used to transport components in the past, they've been on county roads, typically. There are special permits required as to where and when we can transport things. They go through the municipalities. So if it is a County road, it will go through the County, if it's a township road, it goes through the Township.

JA: Generally, they'll stay on the most robust roads possible, right to the very end. There are also negotiations going on now between us and the Municipalities as to how the Municipalities will have certainty that road conditions will be maintained; if there's damage they'll be compensated and the mechanisms for that.

Q: The county road system that would take you into Brinston is high residential throughout, so is that going to be taken into consideration? Would you use that

as a main transport route or would you try to get a secondary road that wasn't high residential to transport material?

JS: Typically when construction begins, the routes that equipment travels on are all agreed on in consultation with the Municipality, well ahead of time. Sometimes the first proposal doesn't necessarily work for example there may be an issue with the turning radius, because the blades are quite long. But generally what happens is you work with the Municipality to try to find the path of least resistance as it were in getting equipment to the site. Often times you are driving very slowly down some of these roads and you have police escorts, front and back, typically, because you may need to close certain intersections just simply so that the vehicles can make a 90 degree turn.

Q: So have you started any kind of discussions with the Township because is that not something that has to be submitted you're your proposal to the Ministry?

JA: No, it's after he fact. Often times there's a specialty contractor who moves large equipment and so when that person, or that company comes in and takes the contract to move the equipment, that's when the discussions begin. Those discussions, initially, are based on a survey of where the equipment needs to get to from its origin.

JA: What we're hearing is that you'd like us to use alternate routes where there are less populated routes if that is possible. Which is an understandable request. Public roads are public roads, at the same time, but that will be written down and recorded as feedback.

Q: Are we going to be notified if you are closing roads, will we be notified beforehand?

JS: The closure of a road or an intersection, it may only be for minutes at a time while the trailer turns a corner. This would absolutely not be an all-day event. Literally just as the truck is driving around a corner, you may have to just stop traffic.

JA: The existing construction schedule within each Municipality can also have an impact on available routes. For instance if there's a road that is being repaved, we wont be bringing an oversized load through.

JS: And further to that, the knowledge of the local municipality has to be incorporated into what roads are most suitable for the transportation of the heavy equipment.

Q: Juan you said that if a wind farm was coming to your community you would go to the meetings, what would you ask?

JA: I'd mostly watch to see that the process is being followed. I'd be interested to see where the turbines are [positioned], where the access roads and cables are going, the

general nature of the developer. I'd probably be trying to convince the local opposition group to work with the developer to get some sort of community fund or concession from them.

JA: If there is a wind farm being built in my community and there is no community benefit fund, I would certainly be lobbying for that.

17. One thing I think would help you guys a lot; one thing that happens is that there are a lot of non-participants have nothing but annoyance. I don't live within a kilometer, but if people that lived within a kilometer [of a turbine] have some type of compensation, just a predetermined amount, say $50 per year or $100 per year, for being a certain distance, you could put up with a road being closed, or whatever things that might be happening, but right now it's really, it is zero benefit if you're not the landowner.

JA: I see where that comes from. On the benefit side, there is renewable energy with very low impact other forms of energy have a lot of issues we need to deal with. Long term nuclear waste storage, air pollution with coal, flooding of reservoirs for hydro. There are issues like that. Getting clean energy at a long-term cost stable rate is a benefit of wind power. The model that you talk about, there have been people who have talked about that. The challenge is getting it divided to a portion where the landowners who have by far the greatest impact are still amply compensated while sharing with the rest.

JS: Your suggestion is good. It's just that it's very difficult to actually define who gets what and why. It doesn't necessarily solve any problems between people because in some instance someone can be ten feet away from his neighbour and get nothing and the same problem is created. So that I think is the intent of the community benefit fund. The community committee is made up of community members who live in the area and understand what's going on at a grass-roots level and you can vote on where some of that community benefit money is spent for the benefit of the community.

Q: I just think that within that 1 km there is an annoyance factor and when you get zero [benefit], it's hard to swallow anything. Just negative, negative and you think 'what am I faced with? You know, at least I made a couple of dollars off of it.' If it was easy you wouldn't make what you make, you'd make what I make.

JS: What I've found is that people in rural communities often do very well for themselves, and sometimes offering them a nominal amount can be insulting to them.

18. What are the health impacts of vibration and low frequency sound on livestock?

LK: I've only come across one study. It's not necessarily livestock; it's based on reindeer and they corralled reindeer in different areas near a wind turbine and turned it on and

off, and on and off and observed their reaction. The reindeer didn't seem to care whether or not the turbines were on or if they were off. In my own personal experience, I've been to a number of turbines and I've seen cattle moving around them. I'm not a veterinarian, but to my untrained eye, the cattle looked fine. There are over 100,000 turbines globally and I haven't heard of credible issues to do with cattle and livestock and wind turbines. If there really was something going on we'd have heard about it and we just really don't.

JA: Barns, agricultural barns have very high-powered ventilation equipment that make a lot of noise very close to animals and there's vibration associated with that as well. Milking equipment and other examples that were discussed at last night's meeting. It's not like animals don't live in that type of environment or that other agricultural practices don't do that and if there very widespread impacts to them we'd probably have seen a bit more of that by now.

19. **We live within 1 km range of four of the turbines in the Dundas area. What will Prowind do if my well water or pressure is affected? Ontario has the Clean Water Standards and if my well water is affected by the construction of these turbines, will Prowind fix my well to the Ontario Clean Water Act Standards, or the higher standards that my well currently is? I haven't received any answers regarding where our water vein is and if it will be affected as this cannot be determined. Once that damage is done it cannot be fixed. We use our well not only for household use, but also for watering our livestock and gardens and this is part of our annual income and our well is a very important part of that process.**

JA: As a rural resident who also has a well I can definitely identify with the importance of well water quality. First off, the construction activities, mainly we are taking about foundation and cable installation that are going below grade. The excavation that occurs for a turbine foundation is very similar to what happens for a house, it's a depth of roughly 3 m in an extreme case. Often times it can be less than that. The materials that are coming in contact with the ground are concrete with rebar inside. This is very similar to a housing floor and foundation. In that respect, most people don't consider a house construction to be a big risk to their water supply. This would be, in our opinion in a similar type of activity. If you have concerns about your well water quality - well water quality and quantity varies from time to time – contact and we can talk further about that.

JS: Again it's quite similar to building a house with a basement in that the depth of the excavation is quite similar to the basement depth that one might have and the footprint as well, it'd probably be a larger house footprint in terms of area.

Q: You'd probably have piles or something that you'd drive in?

JS: It's a good question. Some wind turbines, there are requirements for piles. We need to have some further geo-tech testing done just to have comprehensive survey information. I don't think, given the results that have come back so farm that there is any requirement for piles to be driven in this particular location.

Q: They just seem really, really big, and really tall.

JA: It's like a glorified paperweight. The mass and the spread of the foundation are what hold the turbine in place. The turbine itself is 2 to 3 metres deep, they're designed by and engineer. Once they have detailed soil conditions. A shallow spread foundation is what they're referred to as. We've indicated they'd a maximum is 22 m in diameter, so they're not skinny. You can have 500-800 [cubic] yards of concrete in a turbine foundation so you can appreciate that that's, with all the rebar, that gets quite heavy. That's where the glorified paperweight comment came from.

JS: It looks sort of like an upside down cereal bowl, and that's what the foundation formwork actually looks like, a shallow bowl.

20. Will local contractors and services be prioritized over outside contractors and services for the construction phase?

JS: In my experience, it is always valuable to work with people in the community, for a long list of reasons. I think everybody will have the opportunity to tender with contracts for the project and oftentimes people who are closest to the projects have the competitive advantage just by the nature of their location, geographically.

JA: On the concrete side of things, I mentioned five-to-eight hundred yards of concrete is typical. There's going to be a lot of concrete sourced. Concrete tends to be fairly local because it really gets expensive fast to ship any large distance. So that's already one quite expensive component of the project that is going to have local benefit. The Township has also expressed that they'd like us to strongly consider using the Port [of Prescott] for shipping components –that come in on ship. This depends on which components are made in Ontario – those that are don't come in on ship. The Port of Prescott is nearby. I would suggest to you, as local community, that you send as many emails and letters to Prowind as possible indicating to us that you'd like to have as many local contractors considered for the work possible and that's one way you can help the local folks.

JS: Further, send the names of the people and the companies that would like to be participating in any bids or tenders.

Q: So that should be the local municipalities working with the local business bureaus, our local chambers of commerce, the Municipality should have them on board and know when to alert the companies that they should get their

information to Prowind? So there should be a big hoopla going on at the Municipal council to inform businesses?

JA: We can't really speak for the council as to what they should or shouldn't be doing. They've got a lot on their plates generally. I think business people representing their own businesses should really be pushing their own business interests. My own personal opinion is that they don't need the Township to take the lead on that, but sending a notice out, yes. For reference, construction on this project is over a year away, but the earlier you get the conversation started, certainly the better. It can't hurt.

Q: Will the tenders be posted in the local papers?

JS: It hasn't been determined, but in all likelihood, yes.

Q: I realize the turbines themselves would be useless to tender to folks in Iroquois or the Prescott paper, but from the cement down?

JS: Typically there is a general contractor and subcontractors to the general are sourced locally.

Q: So, basically it's out of your hands?

JS: No, it's not out of our hands per se, but just because of the inherent competitive advantage of those that are local, it's important, it's good business frankly that those nearest would get the contract.

Q: I doubt you'd be permitted to dictate to the general contractor how they subcontract. You might have the best intentions in the world, but we've seen situations where these intentions could not be carried out.

JS: We write the contract to the general contractor. We're not necessarily obligated

JA: There are definitely issues further down the chain, but as far as who builds the wind farm and the owner of the wind farm gets to decide who does that and in the negotiations, you can add provisions.

JS: Having gone through the construction process many times over, I don't want to give a general contractor carte blanche to choose anybody he wants. Because at the end of the day, there's a very high degree of skill and accuracy required in the most basic of things such as putting the rebar together as per the structural engineer's requirements, pouring the right mix of concrete at the right time.

Q: Which is what they're going to tell you when you say, 'Can you maybe lean towards a local'. They'll say, 'You know, we're going to get the best people you

have, you've hired us to do it' and I know you've done it before, but we've also gone through it before with [another company]. Putting in a large turbine down there and saying we're going to have as many local people hired as possible. Which happened to be zero, so it's pretty easy for him to say that because it was through the union and they have no say. It's nice to have good intentions here, but it's also…

JS: I can't speak to these other examples that you're citing.

Q: But that's the reality here. I like to think you're going to get lots of local contractors, but I think that's pretty optimistic.

JS: I can speak about my personal experience, not about what you're telling me because I'm not familiar with these examples. In my personal experience, we worked with local contractors, subcontractors, so that would include excavation, trucking, aggregate supply, concrete supply and the labour to do all of these things and put it together. I don't know what percentage, but most of it was local.

21. How many mechanics or other full time employees are required to service these 17 turbines?

JA: That's something that ultimately is up to the O&M. There will be a maximum of 14 turbines, there could be as little as 10, depending on the model of turbine that we choose. During the Operations and Maintenance phase, the O&M contractor is responsible for their staffing. You can expect a safe number is 2 to 3 permanent staff to run the wind farm on a day-to-day basis. Shortly after the wind farm is commissioned, for a period of time, they're going a need extra people, for instance, some turbines need every bolt to be re-torqued after 500 hours of operation. There's an initial requirement for more effort. It could be in the 10-person range, it's up to the O&M contractor. Long term, 2-3 permanent positions, with periods where we need more. Say we need to replace a blade, generator, etc., we'd be bringing in a crane, we'd be bringing in more people. These are periods where there'd be more people on site.

JA: During construction there could be need for up to 200 people to be employed through that process.

22. Question for Loren: How many nights have you spent near a wind turbine? Have you actually spent an extended period of time at 550 m from a turbine? How can you be so sure that all the information that has been documented from individuals all over the world is incorrect and it will not affect our health from infrasound?

LK: I have never slept beside a wind turbine, I have been near a number of them, but have never spent a night beside them.

LK: In terms of infrasound, it is an issue that people worry about with wind turbines. Infrasound is a frequency of sound that is not necessarily audible. Studies have been done. One particular study, the author's name is O'Neill looked at two wind farms in Texas, owned by, or run by a company called Nexterra. They measured infrasound at different distances at receptor locations, homes, inside and outside and at 307 or 308 m, where they measured the noise the infrasound value was lower than the international guideline from the UK, from US and Japan. In terms infrasound, it was the below the guidelines at the homes. Measurements were for rattle indoors and for interference with sleep. In my paper if you look at it, it's referenced in there, and you can pull that article as well. O'Neill is the author's name.

Q: These are sounds that are beyond the audible range?

JA: Yes, below the audible range. That's the loose definition of infrasound. Everybody's cut-off is different, but when people say infrasound, that's generally what they're referring to.

JS: At the 2 to 20 Hz range.

23. Have wind strength/duration studies been done to determine potential efficiency of this farm? What is the projected potential efficiency?

JA: Yes absolutely, as a wind developer you don't go into an area without taking a look at the wind resource and determine if it's a viable resource. Many of you are probably aware of the tower that's up, just near Brinston, near the main intersection. That tower has been up for, actually it was put up before Prowind was even affiliated with the project, probably in the 4-year range at this point, maybe a little more. There's been a lot of study. In addition to that, we've taken a unit that uses sound waves to measure wind up to heights well above the tower, likewise with a unit that use laser light to measures wind speed. Both of these go up to 200 m when they're working at their best. All of the info has been compiled and it goes into the financial viability assessment of the project. We're not here to share the details of that financial assessment other than that, we wouldn't be here it if wasn't viable.

Q: Do you have one test tower in each area, in Brinston and the western part?

JA: There is one in Brinston and you use the data you have at higher heights using the SODAR and the LIDAR unit. You take that data and you model the rest of the surrounding area. Some much large projects may have more than one meteorological tower, but over that distance, not this one. Some models suggest that the western area has a higher resource. You can take the data you measure and compare it to a historical station, in this case at the Ottawa airport, where there's been decades of data recorded and you compare what's the wind at your site compared to that station over the period

where you've measured and you can develop a relationship between the two and using that you can get an idea of what the long-term average wind speed is at your site. That gives you more certainty as to what the resource is, and that was done as well.

Property Value

24. What assurances do we have that our property value will not decrease as a result of the wind farm? Will you give every homeowner within the turbine area a guarantee that property values will not decline? And if not, why?

JS: We went through this concern last night as well. It is our position that property values are not negatively impacted with adjacency to a wind farm. That is supported by empirical evidence of many different places and that has always been peer reviewed. We wouldn't put our trust in studies that haven't been peer reviewed.

JS: As such we are not in a position of offering assurance over property values. There are so many market forces that affect property values: locally, regionally, provincially and nationally. There are so many dynamic forces affecting property value, it is not something that a wind developer will do, much less, any other types of industries, or businesses.

Q: We hear examples of wind farms that have been, where the owner/operator has been forced to buy-out residential tenants and residential homeowners because of health issues and they've been forced to buy the properties, relocate the owners and then re-sell the properties at sometimes less cost than what they acquired them for. We hear those examples and I'd like you to address them.

JS: There are some examples where developers or operators have purchased homes. I don't know the reasons why. Sometimes there are economic tests that are done, for example: is it cheaper to litigate or is it cheaper to just buy the house. That is often times one of the decision factors that goes into it. Having said that, I think everything has to be looked relative to one another, in that there are some examples of wind farm that have been built, that have been constructed prior to today regulations in the Province. In other words, sometimes there were houses closer to the turbines than what today's current standards are. As Juan has already mentioned, the average distance is well beyond what the minimum requirement of the Province is, in this particular location. As well as the shortest distance.

Q: So these farms were built to an older standard?

JA: I'm aware of at least one case. There are very few cases where this has happened in the Province, that I'm aware of, although they do get a fair amount of circulation. Those projects in this Province are all built under the old regime. There's an old set of rules,

and you could be much closer to houses than today's regulation allows, and by a significant margin.

JS: In fact, there are some in NS that I'm aware of and they are very close to houses.

Q: How close?

JS: I'm not sure of the exact number off the top of my head, but they're close. Less than 400 m to houses, which was the old guideline in Ontario.

25. Are you expecting that volunteer municipal fire departments will respond to turbine fires resulting from runaway blades, or excess friction?

JA: As part of our approval package there is a template for emergency response and it outlines the general details of response with the specifics to be filled in through further negotiations with the local authorities. As a rule, local volunteer fire departments are not required to respond to fight a fire directly at the top of the turbine. Most of them don't have the resources for that it's not reasonable to expect them to. Wind farm operations and maintenance staff are trained to respond to situations up-tower. Any emergency occurring "up-tower" would be handled by O&M staff and transferred to local authorities.

JA: With respect directly to fire, if there's a fire in the nacelle of a turbine, it's rare, but you still plan for it. The O&M staff are permitted to fight the fire if it is in the incipient stage, so that is if it is starting and by use of fire suppression can extinguish it before it gets out of hand. If it gets out of hand, their orders are to get out of the turbine. The local authorities will be called, the local residents will be notified. The focus of the response is to prevent the fire from spreading to additional areas. And contain the fire. It is rare. It can happen, and it is very difficult to fight a fire at that height. It's not a responsibility you can put on local authorities.

Q: Are the nacelles equipped with automatic fire suppression systems?

JA: That was a question yesterday as well. At the time I said that I wasn't aware of how; turbines are not hooked up to local water facilities.

Q: No, I'm thinking of foam.

JA: I didn't know the answer at the time, but I've done some research and have found that certain turbine models will have a chemical fire suppressant reservoir in the nacelle. I think that's probably becoming more and more common at this point. The point also raised yesterday by Jeff is that brake friction was mentioned in the question. Proactive maintenance is a huge component in preventing that type of thing. Particularly your rotor brake pads.

JS: It's the basics. The best way to prevent fire is to not ever permit a fire to get started. That really is done through good maintenance. Good maintenance is something that's critical with respect to optimizing the yield of electricity that's produced from the wind turbine. At a more pragmatic level, if you're not performing the minimum required maintenance on a wind turbine, and you have an issue, a fire, or catastrophic failure as a result of that, you're insurance isn't going to be any good, and you're out millions and millions of dollars. So, it's in the best interest of the developer and the operator to maintain wind turbines at the very least, the minimum requirement.

Q: That's why I asked the previous question, how many mechanics. I think the best answer that I got was 2-3 in the fully operational stage. So 2-3 mechanics on a 24-hour per day, 7 day per week shift, 365 days per year for 17 generators.

JA: 14 turbines, maximum.

JA: There's two types of maintenance that would be occurring. You have your scheduled maintenance, certain things need to be changed, and then there's your maintenance you do in response to issues that arise. A typical turbine monitors about 500 different parameters of what's going on in the turbine. Gearbox temperature, gearbox brake temperature, vibration levels in all different areas, etc. You're getting a lot of information and the idea is to detect those well in advance.

Q: You were talking a bit last night about monitoring the turbines. That's an offsite remote location where the monitoring occurs?

JS: Monitoring is done in two ways, there's a computer inside the turbine that monitors the turbine itself, that computer can shut down the turbine when any of those inputs exceed operational specifications. The turbines are also monitored at a remote location and any turbine can be shut down remotely from that remote location as well.

Q: So there won't necessarily, physically, be people daily at these turbines?

JS: Correct.

JA: By remote, that can be two ways. It could be an operations and maintenance centre on site, and/or a separate one, either with the turbine manufacturer, or some companies who operate wind farms have a separate where they run their remote sensing. You'd expect to have folks on [site] fairly regularly. But it's not a guarantee that they'd be there 24 hours per day, all the time. It's highly likely that that would be the case, however.

26. Will our satellite signal be interfered with when the turbines are turned on? If we do have interference what will the options be for recourse?

JA: That's TV satellite, I presume. As part of our studies, we took a look at potential for impact of TV reception. As far as the various things you hear about turbines and the impacts they can have, that one is definitely a known impact. Over the air TV reception can be impacted by turbines. It's analog signals which are being phased out. I believe CBC has got approval to delay phasing out their analog services. Digital over-the-air signals are coming – those are the ones we're talking about. If there's a potential for impact there, then we'd probably compensate you with satellite TV.

JA: If you have a satellite, the beam points to the south, and it's fairly narrow. From our calculations, we don't expect any impacts. If there are, we're going to have to mitigate it for you, to compensate you.

Q: So, the compensation could be what?

JA: We could come and move your dish, upgrade to a better antenna. We'd hire a specialized consultant to solve the issue in a way that works.

Q: Last night you talked about a 1-800 hotline. Is this type of impact also something that we could use to report interference?

JA: Yes. It's specifically mentioned in the reporting for that type of issue. I've been in a house for a different project where I saw the over the air reception was right on the edge of the service contour, so right on the edge of the range where the service was quite weak, and it did impact TV, and that person was compensated with a cable subscription. Now that it's gone over the air, we may not need to do this.

Q: And the internet, same idea?

JA: Yes.

27. Could I find out a bit more about Prowind? Does Prowind operate existing farms, or are you a developer of farms that sells them to operators?

JA: I'll start with the structure of Prowind. Prowind Canada develops wind farms in Ontario, exclusively at this point. We used to do work in other provinces as well, but at this point, we're working in Ontario. There's a Prowind family of companies, owned by a parent company in Germany. That company has developed 16 wind farms. It operates some of those now, it has sold some of those, in Germany. The process for approvals in Ontario has changed several times, and so there are no operational projects that Prowind owns in Ontario. A project, after construction, the developer is required to maintain certain a portion of ownership for a period of time, 25% for 2 years, if I'm not mistaken. After that, ownership can change. The new owner is still bound by all obligations that Prowind would be.

Q: Is this the only project Prowind has in Ontario?

JA: You can see the full list on our website. We have several projects in this region, and some in southwestern Ontario as well.

28. Please provide your thoughts on this statement:

> ***"There is widespread consensus that wind turbines cause noise pollution which frequently leads to sleep disturbances for those living nearby. And there is a growing documentation from medical professionals about adverse health effects on humans and animals. The Ontario Agency for Health Protection has an obligation under its mandate for health promotion, chronic disease prevention and injury prevention, to investigate the growing numbers of complaints being received in Ontario."***

LK: It's an interesting question. I have to disagree with that a little bit. The consensus is that the noise from wind turbines, as they are regulated in the Province at up to 40 dB will not be related to adverse health effects, particularly sleep disturbance. Because the 40 dB that the WHO has it set at is based on the effects such as sleep. Studies have been done that show that people who economically benefit from turbines, which directly relates back to your question from before, who have higher levels of noise that they hear, but who aren't being compensated, don't have the same effects. The noise is really not being directly related to effects such as sleep. The report from the Chief Medical Officer of Health has said that the noise from wind turbines is not directly related to adverse health effects, though some people will find it annoying. So the noise from wind turbines could be annoying, but is not necessarily related to sleep effects.

LK: I'm not familiar with that agency. I do know that the Province regulations for wind turbines, as 550m and 40dB are acceptable. The CMO for the Province has said that turbines are not directly related to adverse health effects. Recently there was a legal case in the Province to the ERT, Suncorp had a project in the ChathamKent area, called Kent Breeze that went to the ERT. The project was approved under the Regulation and then it was appealed. The appeal process went through the ERT. This document is a summary of that appeal process. Because it was a relatively new appeal, what that panel did was instead of coming out with a small summary of their findings, they expelled a summary of the findings of the expert witnesses on both sides of the debate so people could read it. The test of the panel was do wind turbines, in this case does this project, cause serious harm to human health. The panel found that the project, as approved under the Regulation would not cause serious harm to human health. As a result the project was allowed to go forward.

Q: They use the word 'serious'. So if there's no 'serious' harm, does that mean there could still be harm?

LK: I think what the panel said was that it was a matter of degree. It's a matter of degree and the effects that people have at 40 dB they're not considering serious harm. We have a copy of it, or it can be downloaded. It summarizes both sides well.

28. How much to landowners receive from the wind turbines?

JA: This is one we got last night as well. We're really not here to share the details of our arrangements with landowners. I can say that in working with a consultant previously, I've seen a number of different land leases from different developers, and the Prowind compensation is better than most. But we're not in a position to give numbers, and it's not really fair to the people we have agreements with.

29. How far does shadow flicker range?

JA: Shadow flicker is not uniform around a turbine. First of all, if a turbine casts a shadow and you're standing in that shadow, because the blades are moving, then as the blade passes by the sun there would be a flicker. The closer you are to a turbine, the more of that there is. One of the things the 550m setback addresses is the vast majority of the flicker. In very specific directions, the two directions where the shadows reach the furthest is when the sun is very low on the horizon. Statistically over the year, the areas where it spends the most time reaching the furthest are to the east-southeast, and to the west-southwest. Just below east and west.

JA: Based on the sunshine data for this area, based on the probability of how often the wind turbine is going to be operating, and what direction they'll be facing from the wind data we have, you're looking at.

JA: In that worst-case direction, at a distance of 700m, you're at 20 hours or below per year at that location.

30. Can you provide certainty that the residents of the area will not experience negative health effects from the presence of the South Branch Wind Farm project?

LK: Can I say with certainty? No. I think that by the studies that have been conducted globally, that a certain number of people are annoyed by wind turbines. I see that at the open houses that I go to throughout the province. A lot of people are annoyed by wind turbines before they've even gone up. The issue is really that wind turbines are an environmental change. It's that change in the environment that links back to some of the annoyances that people tend to have. As I said earlier, it's those variables like attitude and visual cues that are the drivers, statistically, of annoyance. It's open houses that people go to, it's discussions with experts, it's discussions with industry representatives and developers that can help bring down that level of rhetoric and give

people information so they can make informed decisions, and by doing that we can hope to bring down levels of anxiety, and levels of annoyance. Is it by certainty? No, annoyance is very personal; it's hard to say.

31. Has Prowind petitioned the government for a third party epidemiological study on the health effects of industrial wind turbines? If not, why?

JS: No, we did not petition the government for third party epidemiological studies. We believe that the studies that have been completed and peer reviewed are sufficient and we're not in the business of lobbying for health studies.

LK: There are a few studies that are ongoing in the Province now. One is being conducted from the University of Waterloo. They're looking at noise measurement, clinical studies of people living near wind farms. They've got nurses and medical doctors involved, PhD students, Masters students trying to do that work. There's also a project going on at Wolfe Island, a professor from Queens, where they've given questionnaires to people on Wolfe Island before the project went up, during construction, during operation and now they're in the next phase of that where they're asking questions during operation. I don't know when that study is coming out, I don't know when they wish to release it, but those are two ongoing studies in the Province.

32. Why would you be concerned about where the hydro cables are being placed between the two areas in the wind farm?

JA: I'm not sure I'd be concerned. I'd want to know. We've got electrical lines around us in our houses, in our walls, alarm clock next to your head, etc. I just think I'd want to know where the infrastructure is going relative to where I am and how that work would be carried out. I don't personally have any specific concerns about any impact if that's what's inferred by that question.

33. Loren, you sold your home in Ottawa last night. Are you now considering purchasing a new home near a wind turbine, and if not, why?

LK: We looked at a lot of homes. My wife is from Dundas, which is a small community outside of Hamilton and I dragged her away so I could go to school and now she's dragging me back. No, I don't think there are any wind turbine projects scheduled for Dundas.

34. How far can ice be thrown from the blades if not turned off immediately?

JA: This is some feedback received, some concerns about ice-throw. We've commissioned a study and we just received the report. We'll make that available next week, once we've written our summary to match it. What the report says – it's all based on probability – beyond 200m, the probability is virtually non-existent that a

piece of ice is going to be thrown that distance. On a model incorporating air resistance, using 1kg ice fragments, which are fairly large. It also relates that to the potential for traffic. At that distance, the only public road is the no-winter-maintenance section of Byker Road, which has very little traffic. The report will be made available soon.

Q: Bell road would be close as well though, right?

JA: Not within 200m. It's more than 200m to Bell road from the nearest turbine. The setback maps show the setbacks from the nearest road. Byker is the only one at that proximity to a turbine.

35. What if the blades break off?

With that question, we're getting into the catastrophic scenario. It has happened in the past at other places. It's quite rare; however, if it gets on film, that's something that people like to see happen. It's a potential concern, typically associated with a lightening strike that damages the blade. There are lightening protection systems that are designed to mitigate that. If a blade breaks, pieces will be thrown from the blade, or the blade will fall. It's not a scenario that you'd like to see, and it's an extremely remote risk for a wind farm. The 550m setback comes into play once more with that, and at the same time, when you're talking about those types of risks, there are a lot of risks that are a lot larger that we're incurring in our daily lives. We can't guarantee that there won't be a blade that breaks and comes flying off, but the chance is extremely remote.

JS: To clarify, a lightening strike on a blade does not necessarily mean that the blade will disintegrate and come off that's not the case. In fact there was recently a lightening strike on an AIMPowerGen blade and turbine out near Port Burwell, in Lake Erie and the blade remained intact. It simply delaminated. The turbine shut it down immediately because it sensed that the rotations on the blade were out of balance.

36. What if my farm starts to experience stray-voltage after the wind farm is built?

JS: Stray voltage is something that we hear about oftentimes. Stray voltage is an issue that is pre-existing oftentimes, and it's related to improper grounding of electrical systems at houses, at farms, wherever there are electrical wires. Oftentimes the grounding system that's associated with the turbines and electrical cabling between far exceeds the requirements of typical residential grounding that you find in the adjacent areas.

JA: Usually stray voltage, is not specifically associated to wind farms, it's a problem that can exist completely exclusive of wind farms. Generally it has to be a pre-existing condition to exist.

JS: A previous wind farm that I was working on development with, there was a question raised about stray voltage. There wasn't an issue with any stray voltage, but there was a question about whether the wind farm being developed would result in stray voltage. An electrical engineer was commissioned to do a study on the existing lines the distribution lines immediately adjacent to the wind farm, the same lines that the wind farm was being tapped into to send electricity in to the grid. The results of the analysis of the electricity voltages and the directional nature of the existing electricity in the overhead lines along the road, what the study showed was that when wind farm was added to that, it actually reduced the potential for stray voltage in the area.

Q: What grid are you hooking into?

JA: There's a line that runs north/south along Brinston Road, coming from the Morrisburg Transmission Station. It's a 44kV, so 44000-volt circuit. We'll be tapping in to those, south of Brinston on the side of the road.

Q: Even with the ones off Byker Road?

JA: Yes. The power from those will come over on shared poles with Hydro one and they'll all join up and tap in.

Q: Not into the large transmission lines in the area?

JA: No. Those are high-voltage transmission lines. They run east to west through the project area, as many of you know. They're 230kV. That's generally quite an expensive endeavour to tap into a line like that. You'd typically see that from a much larger project. This is a relatively small project. We're on the distribution lines, the lines on the side of the road.

37. What recourse is there for people living in the nearby area if they experience health impacts after the turbines are built?

LK: The MOE has a spill response line. It's a bit of a misnomer, but it's a 1-800 number that you can call. It's manned 24hours per day, 7 days per week. If you think a turbine is making noise, it's annoying you, you can call that hotline and lodge a complaint the MOE has a compliance document that outlines how they would go about looking at a complaint. Last time I checked, it's not on the MOE's website itself, you have to type into Google 'MOE and wind turbines and compliance' and then one of the first documents that appears is that document. It's not easy to find, I'm not sure why it's not on their website.

JA: First of all, we have to reiterate that the current evidence shows that there is not direct health impact of wind turbines on individuals. If someone is of the believe that a wind turbine is impacting their health post-construction, we've got a line that can be

called for complaints to the project owner. That will be made available to everyone for any complaint, but health related as well. This is not an established health issue, so it's a difficult question to answer.

Q: But if someone were experiencing health issues, the turbine would not be shut off, the turbine would continue to operate, while the person was complaining. Is that right?

JA: You'd have to have proof that the issue is from the turbine.

JK: Let's make it specific. Let's talk about noise. If there's a complaint made that turbines are noisy, noise analysis is done. It's a requirement of the MOE. If the wind farm is not operating within the guidelines of the report that was submitted and approved for the license to operate, then mitigation measures have to be made. Sometimes noise is a little more pronounced with atmospheric conditions, etc. If that was the case and it was found to be that, then the turbine would have to be shut off.

JA: Or turned down, to mitigate.

Q: What do you mean, 'turned down'?

JA: Modern turbines have the ability to regulate the power they produce, and consequently, [when turned down] they'll produce less sound. You're not allowed to use that provision as a method for gaining a closer setback or noise approval. That's reserved for mitigation measures. If you have a validated noise complaint; if for some reason a turbine is producing more noise than it should and that's reaching a residence, there will have to be a remediation or a mitigation where the turbines are turned down to limit the sound produced, either under certain conditions, or all the time that will depend on the results of the measurements. There are multiple steps before that, but what the protocol says is that the wind farm operator will have to measure noise at every wind speed of operation, turn off the turbines and measure background noise to determine if it is the turbine that's causing the noise.

JS: Turbines have to be compliant with the noise guidelines in order to receive the noise certificate to operate. If going forward, the turbines are not compliant, that certificate ultimately can be revoked.

Q: If that happens, what happens to the turbine?

JA: Curtailment. You can't operate it at a level that's not compliant.

38. Why are turbines so spread out? Is there a second phase being proposed for the project?

JA: Several of the first wind farms in Ontario did environmental permitting for a larger number of turbines than they planned to build in their first phase. So, they got approval to build X number of turbines and they only built a subset of those and in further years, they built the rest in different phases. Sometimes there's a perception that turbines show up and then more and more come in the area. In my opinion, that's where some of that [concern] comes from.

JA: In our case, what we've proposed is all of what we have land secured for, it's all of the grid capacity we have allocated for us and based on hydro one restrictions, in that local grid, there will be no more power allowed to be injected into that spot. We don't have any more land acquisition activity in the area to expand, and we don't have any existing plans to do so. If we were to change that direction and decide we were going to develop another project and we found a way to connect it, we'd have to start this process again, from the start and we'd let everyone know. When we do our studies we'd have to consider the turbines that are already proposed in those studies, so it would be a cumulative assessment.

39. How did you get approval to build a wind farm in a watershed area?

JA: Since a watershed can be interpreted to be anywhere, we interpreted this question to be in regards to the floodplain that is present in the project area.

JA: We have no turbines planned for floodplains; we are required to be outside of the floodplain and so there are no turbines in the floodplain. There are access roads, and buried cables in the floodplain, much like there are municipal access roads in the floodplains. Those are things that are permitted to be in the floodplain, permitted we adhere to certain drainage requirements.

40. Has one of these projects ever been refused?

JA: I'm aware of one project that has been denied by the MNR due to peregrine falcons nesting in the area. The letter from the MNR for that project indicated that peregrine falcons are a formerly endangered species. They're recovering and this area has a healthy recovering population so they're not permitting any development in that area. I'm not aware of others.

JA: I think typically there are a lot of proposed wind farms that don't go ahead and that may not be because of a direct denial, but it may be because the developer has recognized that there are insurmountable obstacles. There's definitely a lot of that.

41. At the start you mentioned the government had a 50% domestic content requirement for the project. That percentage, is that the total percent of the cost of the turbine, from the cement to the top, or is it just the turbine?

JA: they have a scoring system. You get a different amount of percentage points for different activities. This is available on the OPA's website. For commercial scale wind energy, they have a scoring system. You get a certain percentage for using 95% or more Ontario labour on your site when you build. You get a certain percentage if the steel for your foundation came from Ontario, if your concrete came from Ontario, if your towers are manufactured here, the blades, the nacelle, the motor that moves the turbine around, etc. They're quite detailed at this point. Based on that scoring system, you have to meet 50%. The idea is that it roughly reflects the cost of the project installed.

Q: Do we see in Ontario, being a wind farm technology spot for parts, for manufacturing, as opposed to offshore stuff?

JA: That's the stated goal of the government. You're seeing that working with respect to manufacturing setup.

JS: It's part of the Green Energy Act. It's a public policy to try to, at a high level, transition from a lot of skilled blue-collar work into green-collar work. Down near Windsor for example, there's a lot of manufacturing associated with the automobile industry and as you know that's really gone through some rough times as of late. But you've got this incredible working knowledge and skill associated with making things, and you've got the infrastructure in place to make things. Public policy intent was to spur investment in Ontario to transition into a green-collar manufacturing base to replace what was lost in some sense. It's a sensible proposition because of the location of Ontario in the larger context of North America. You have access to the oceans, the railway links throughout all of North America, the highways; you're next to this enormous American market.

JS: Having said all that, we can't go from zero to 60 overnight. The local content requirements, I'd like to think that there's a science behind the way the awarding of points for local content was put together so that investment will continue to grow from Canadian manufacturing as well as North American manufacturers into Ontario to be able to start manufacturing green equipment: solar, geothermal, wind turbine equipment, etc.

Q: Do you see that happening now? Where are we in that transition?

JS: It's starting to go. That's evidenced by the increased requirements in the local content. It's gone from 25% to 50%. Over time, it will likely continue to increase.

Randi: Enercon is building a concrete tower manufacturing facility that they've just announced in September.

JA: There are people in the audience who probably have a better idea of where some of the plants are.

Luke Geleynse: I think people are aware of Samsung, and the investments they're making, and some of the partnerships with other companies.

JA: Siemens has a blade plant [in Ontario].

LG: For example, GE is subcontracting inverter manufacturing via builders in the Kanata area. In the wind industry, we're seeing a lot of the smaller stuff – the yaw motors, the converters, the control panels have taken a little longer on the uptake. Obviously solar has moved a lot quicker. There are 27 solar manufacturers in operation now in Ontario. The wind industry is catching up quick. Right now the first flush is in southwestern Ontario. That's where infrastructure for manufacturing exists, but some of the companies I've been talking with are now looking at eastern Ontario. Some of the communities locally, Chesterville is a good example. Where that goes will depend on the long-term expectancy of the FIT program

Q: I think that if you incorporate this message more predominantly into your PR and communications, it would send volumes to offset some of the negative responses to the project. I'm here for information purposes. If the wind turbine industry did more to promote this side, it would offset a lot of the negative impact in the economic times we're in. Inform the community. I don't think the Province is actually hearing that, we see the turbines coming up the seaway and there's guys losing their jobs over that. If this is the hot item, let's 'Make it in Ontario'. That would bode well for the industry.

JS: I appreciate the feedback. Thank you.

Randi: Wrap up and thank you.

APPENDIX F

PUBLIC CONSULTATION

APPENDIX F: PUBLIC CONSULTATION

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Public Contact Information - South Branch Wind Farm

Date Added	First Name	Last Name	Phone	Address	Town	Province	Postal Code	e-mail
	Robbie				Brinston	Ontario		
	Del							
	J.							
	Scott				Brinston			
	Barron				South Mountain			
	Lorne				Brinston			
	Frank				Iroquois			
	Maureen				Iroquois			
	Nelson				Iroquois			
	Eddy and Irene				Spencerville/Shanly			
	Joan				Morrisburg			
	Bruce				Shanly			
	Hilary				Shany			
	Dan				Hainsville			
	Cecil				Brinston			
	John				South Mountain	Ontario		
	Norman				Brinston			
	Marlene & Gary				Brinston			
	Mike & Kathy				Shanly	Ontario		
	Blanche				Brinston			
	Amanda				Winchester			
	Dale				Brinston			
	Heinz & Helena				Williamsburg			
	Levi				Spencerville			
	Mark				Spencerville			
	Barry				Iroquois			
	Dave				Brinston			
	John				Brinston			
	Les				Morrisburg			
	Mike				Morrisburg			
	Bruce				Brinston			
	David							
	Calvin							
	Rebecca				Iroquois			
	Dave							
	Ron				Morrisburg			
	Lee				Iroquois			
	Robbie				Iroquois			
	Peter				Brinston	Ontario		
	Neil				Iroquois			
	Alan				Williamsburg			
	Herman				Williamsburg			
	Dale				South Dundas			
	Brent				South Dundas			
	Troy				Brinston			
	Crystal				Brinston			
	John & Rina				Iroquois			
	Henry				Brinston			
	Douglas				Cornwall			
	Melissa				Cornwall			
	Evonne				Iroquois			
	Albert & Betty				Shanly			
	John				Shanly			
	Bill and Laura				Brinston			
	Hugh				Cardinal	Ontario		
	Alen				Williamsburg			
	Bernd							
	Laura							
	Richard							
	Charles							
10/12/11	Sandy							
10/12/11	Cheryl							
10/12/11	Tina							
10/12/11	Jane							
10/12/11	Lynn and Roger							
10/12/11	Denise and Kim				Brinston	ON		
10/19/11	Jen				Brinston	ON		
10/19/11	Marlene							
11/9/11	Brian and Joanne				Crysler	ON		
11/9/11	Mark				Glen Stewart			
11/9/11	Brian				Toronto	ON		
11/9/11	Aron				Toronto	ON		
11/9/11	Leslie				Brinston	ON		
11/9/11	Susan				Brinston	ON		
11/9/11	Larry				Brinston	ON		
11/9/11	Manfied				Iroquois	ON		
11/9/11	Rose				Brinston	ON		
11/9/11	Henri & Laurence							
12/4/11	Candace				Brinston	ON		
12/16/11	Jason							
12/16/11	Diana							
12/12/11	Gerrit				Spencerville	ON		
12/12/11	Doug				Spencerville	ON		
12/12/11	Angie				Spencerville			
12/12/11	Barry				Kemptville			
12/12/11	Bill				Spencerville			
12/12/11	Vic				Spencerville			
12/12/11	Russell				Spencerville	ON		
12/12/11	K				Brinston	ON		
12/12/11	Mark and Lisa				Brinston	ON		
12/12/11	Lana				Brinston	ON		
1/10/12	Rene and Sue				Brinston			
1/10/12	Gerry				Dixon's Corners			
1/10/12	Cathy				Dixon's Corners			
1/10/12	Luke				Kemptville			
1/10/12	I				Shanly			
1/10/12	Betty							
1/10/12	Bill				Iroquois			
1/10/12	Ralph G				Brinston			
1/10/12	John L.				Williamsburg			

1/10/12	Isaac	[redacted]	[redacted]	Iroquois
1/10/12	Sheryl			Brinston
1/10/12	Jeff			South Mountain
1/10/12	Kees			Finch
2/7/12	F			Spencerville
2/13/12	Bob			
2/14/12	Ricky			
3/5/12	Carol			

Public Consultation Summary - South Branch Wind Farm							
Name	**Medium**	**Date Rec'd**	**Comments, Questions, Concerns**	**Response Date**	**Responder (if not contact)**	**Response Provided**	**Attachment**
Robbie Giles	e-mail	21-Apr-08	I received your Notice of Commencement of Screening, regarding the South Branch Wind Farm, Dundas County, and am most interested in your project. I do not subscribe to a local newspaper and would like to be added to any e- mailing or mailing) list that you create so as to be able to participate in meetings and receive studies and reports as you move forward. I wish you the best with your endeavours, Robbie Giles	21-Apr-08		Thank you very much for your interest in the South Branch Wind Farm. We have added you to our mailing and will ensure that you receive all project newsletters and notices. We recognize that residents near the proposed wind farm know the area well, so if there is any information you think we should have or any concerns you would like us to address through the environmental assessment process, please do not hesitate to contact us. We look forward to seeing you at future public meetings.	
Del Jones	e-mail	19-Dec-08	Please add me to your email distribution list. Thanks. Del	16-Dec-08	Cathy Weston	Hello, I would be happy to include you on future communications regarding our projects. Please let me know if there is a specific geographic area that you are interested in. Thank you in advance, Cathy	
J. Stanley	phone, e-mail	09-Jan-09		09-Jan-09	Cathy Weston	Thank you for your phone call this morning. I have added your email and home address to our distribution list for communications on the South Branch wind farm project. As mentioned, we will be hosting an Open House on this project, as well as two others in the neighbouring vicinity on January 29th. An invitation with details on the project is attached to this email and will be sent to your address by mail. The Open House is held to partially satisfy the requirements of the Environmental Impact Assessment process and to provide the neighbouring residents with some details on the progress of our environmental studies and project status. Several representatives will be on hand during the meeting to answer any questions you might have about the project. The South Branch project information sheet is unfortunately too large of a file to send electronically (due to the images and graphics), but we will include this in the package mailed to your address. Information about Prowind Canada and wind energy can be accessed via our website at www.prowind.ca Please let me know if I can be of any additional assistance. I hope you are able to attend our open house later this month.	
Scott Norris	email	15-Jan-09	Just wanted to say that I am very excited about the new wind farm project proposed in Brinston ON. I hope to see more of these projects in the near future. Just curious as to who constructs these farms? Do you guys have construction / erection crews? Also, how does one get into this field of work? I would love to get involved in this exciting, growing and green industry.	16-Jan-09	Cathy Weston	Hi Scott, Thank you for your email and for the vote of support for the wind farm project. Construction of the actual turbines is normally coordinated by the turbine manufacturer, but construction of roadways and other supporting infrastructure is contracted locally wherever possible. Prowind does not have a construction crew, but would contract turbine supply and other construction work out once suppliers, scope and timeline have been confirmed. I don't have first hand knowledge of how one gets involved with the turbine erection crews, but would recommend getting in touch with some of these companies to find out more if you are interested. There are several manufacturers who supply turbines to Canadian wind farm projects – this list is not exhaustive, but hopefully provides you with a good start: DeWind http://www.compositetechcorp.com/windpower.htm Clipper http://www.clipperwind.com/ Enercon http://www.naukri.com/gpw/enercon/products.htm Fuhrlaender http://www.fuhrlaender.de/ I will add your name to our distribution list for future correspondence on the Brinston wind farm project.	
Barry Gannon	phone	03-Feb-09	Mr. Barry Gannon phoned the Prowind office with some questions about the projects in South Dundas. He had received the Open House flyer, but was unable to attend the meeting on Jan 29, 2009. I answered some general questions and took his number with the commitment to follow up with more information once additional details are determined (turbine placement, etc.). Mr. Gannon has been placed on our distribution list for future correspondence	03-Feb-09	Cathy Weston	we will follow with updates on projects when available	
Gabrielle Scheler	e-mail	11-Dec-08	Cathy: My husband & I live at 10304 Sandy Creek Road which is adjacent to the study area that Prowind is currently looking at. I want you to know that you have our full support for this project. We're big supporters of wind energy, having seen numerous wind farms during our trips to Europe & PEI. Although alternate energy sources like windfarms will likely never be able to fulfill all our electricity needs, they are an excellent alternative to coal fired & nuclear electricity plants. And, anything that lessens our dependance on these polluting sources of energy is worth our full support. Please put us on your project mailing list and best of luck with the Environmental Screening phase of the project. We look forward to regular updates on progress.	11-Dec-08	Cathy Weston	Hello Ms. Scheler, Thank you for your email and you kind words of support. We appreciate your having taken time to express you interest in and support of this project. I will ensure you are included on our distribution lists so that you are kept well informed of project progress. If you have any questions or would like additional detail, please don't hesitate to contact us. Thank you again, Cathy	

Name	Medium	Date Rec'd	Comments, Questions, Concerns	Response Date	Responder (if not contact)	Response Provided	Attachment
Del Jones	e-mail	nd	Please add me to your email distribution list. Thanks. Del	16-Dec-08	Cathy Weston	Hello, I would be happy to include you on future communications regarding our projects. Please let me know if there is a specific geographic area that you are interested in. Thank you in advance, Cathy	
Nicole DeGrandmont	email	17-Oct-08	So, I'm searching on MLS for country properties and find one in Brinston that is cheap - really cheap. So I do a google search on Brinston and come across a guy named Luke's blog site - which is how I found you. So- you're planning a windmill field in Brinston? Where would it be? (The house I'm looking at is at 4599 COUNTY ROAD 16). How close will your project be to this location? How much noise will the windmills generate? How will this project affect Brinston or the location of the house? Do such fields tend to lower house values that are nearby, or raise them? How could I get the house in question powered by wind? Lots of questions, yes. I really do appreciate you taking the time to read this and perhaps take some time to respond. Thank you, Nicole	10/24/09	Cathy Weston	Hello Ms. DeGrandmont, Thank you for your recent email. I've attached the Notice of Commencement of Environmental screening document that was published earlier this year. This document provides some additional detail on the size and location of the proposed windfarm in the area. No specific details on the placement of turbines have been finalized as yet. If you wish, I can include you on our distribution list for all public information released around this project. As part of the environmental impact assessment, strict guidelines around the permissible levels of noise and shadow on neighbouring areas have been established by local and federal governments. Final turbine placement is determined such that these potentially negative impacts are alleviated for local residents. I cannot comment on the potential impact on property values for a specific parcel of land, but the website below provides you with the results of a study on this topic. The conclusions presented here suggested that there was no net impact on property values. Please let me know if you have any additional questions or comments on this or other windfarm projects. Kind regards, Cathy	
Rebecca Comfort	email	26-Jan-09	Cathy Weston, I am a reporter with The Leader in Morrisburg and I am contacting you about the public meeting you are hosting Thursday at Matilda Hall. I would like first to do a little reminder story that the meeting is taking place. I have the advertisement but would like a few comments about what people can expect at the meeting. (Is it a sit down presentation with question period, or is it just displays with presenters on hand to answer questions? And, who should attend the meeting?) I will also be attending the meeting at Matilda Hall. Thanks, Rebecca Comfort Leader Staff Reporter	01/26/09	Cathy Weston	Hello Rebecca, Thank you for your email. The format of Thursday's meeting will be informal. There will be several informational posters on display, showing the current project status and projected work. We will also have several staff on hand to answer questions and collect feedback from the community. There will not be a formal presentation or sit-down session at this time. Anyone who is interested in wind energy, or has questions or concerns about in these particular projects is welcome to stop in to talk to us between 5:30 and 8:30pm. We will be collecting the feedback by way of written surveys and our discussions with attendees; a summary of the feedback received will be included in our final Environmental Assessment submission. Anyone who is not able to attend the meeting may contact us directly for more information. We look forward to seeing you there. Kind regards, Cathy	
Rebecca Comfort	email	03-Feb-09	How many people attended the public meeting at the Matilda Hall last week? Rebecca Comfort	02/03/09	Cathy Weston	Thank you for your email. I believe we had over 60 people in attendance in addition to several participating landowner families throughout the evening. Cathy	
	email		Good morning I was unable to attend your open house last night in Dixon's Corners. I had some questions to ask at the information session and was hoping you could respond via e-mail or telephone. 1) When you state in your letter "up to five turbines at each site for a total of up to fifteen turbines", what will determine the final number of turbines? 2) What is meant by "could power approximately 3000 homes"? Are you unsure of the output of the turbines or the power needed for these homes? 3) Could you tell me what impact wind farms have had on the resale value of residential property which is in proximity to the wind farm? 4) Why would a wind farm be built in the area you are proposing as opposed to an area that already has some other form of pollution i.e.-industrial or municipal lagoon sites, abandoned land fill sites. Hope to hear from you soon. Al Freeland	02/02/09	Rochelle Rumney	Thank you for your email concerning the Brinston/South Branch/Boundary Wind Farms. We had a fairly positive meeting on Thursday with good attendance and lots of information sharing. I was forwarded your email by Cathy Weston and I have some responses to you concerns along with a few studies, which are attached. 1) When you state in your letter "up to five turbines at each site for a total of up to fifteen turbines", what will determine the final number of turbines? The number of turbines at each site is determined by their respective energy output. Each wind farm can have a maximum of 10 MW in energy output, and at this point in time, Prowind is looking at 2 MW turbines for these projects. Consequently, that would require 5 turbines for each of the three projects. If they use larger turbines (3 MW for example) fewer turbines may be required. Another determining factor will be interconnection to the Hydro One electricity grid. If there is less capacity at this particular location for electricity to be added to the grid, it's possible that Prowind may decide to go with a smaller project (<10MW) which would again reduce the number of turbines at one or more of the sites. 2) What is meant by "could power approximately 3000 homes"? Are you unsure of the output of the turbines or the power needed for these homes? Both the output of the turbine and the demand per household are variable. The turbine will only produce power when the wind is blowing, which is predictable to some extent, but variable. Typically wind turbines are producing power 80% of the time. Also, since the turbines aren't turning at full speed all the time they operate at a capacity factor of about 30%, meaning that over time the actual power output averages to about 30% of the turbine's maximum of 10 MW. The IESO states that a typical demand is 1000 kWh a month, which seems a bit high for households, so we'll assume 800 kWh a month is	Attachments: <The Effect of Wind Development on Local

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Al Freeland						[illegible] average for homes. Considering all these variables, the math works out to be that a 10 MW wind farm produces enough energy in a year to power 2738 homes. 3) Could you tell me what impact wind farms have had on the resale value of residential property which is in proximity to the wind farm? This is a very common concern among nearby residents of the proposed wind farms, so many studies have been done on this topic. I have attached two studies on wind turbines and property values. Each of them conclude that there is no noticeable decrease in property value after a wind farm is installed in the area. In fact, there are slight increases in some areas. Please have a look at the studies and if you require any further information, please let me know. 4) Why would a wind farm be built in the area you are proposing as opposed to an area that already has some other form of pollution i.e.-industrial or municipal lagoon sites, abandoned land fill sites. The location of a wind farm is based on many criteria. First, there must be a good wind resource. A meteorological tower is placed in an area where it is suspected there is good wind and typically two years of data is collected to verify this fact. Second, there must be land available for the turbines. Landowners must agree to participate in this endeavor by renting their land to the wind farm developer, in this case, Prowind. The sites you mentioned in your question above are typically owned by municipal governments who may or may not want wind energy projects there. Needless to say, there are many more items to consider when public land is used for wind projects. Third (certainly not an exhaustive list), is interconnection. The Hydro One electricity grid has certain capacities that energy producers are required to follow. Wind farm developers must locate where there is room on the grid to connect, where there is wind and where they can find willing landowners. As you can see, there are many pieces that need to fall into place, just to propose a wind farm project. I hope these answers were helpful. Please feel free to get a hold of Cathy or I at any time if you have any further questions. Take care, Rochelle Rumney	Property Values – REPP – May 2003.pdf> <The Relationship of Windmill Development and Market Prices – Melancthon, Township of East Luther Grand Valley, Dufferin County.pdf>
	email	08-Jul-10	Hello! It's been a while since we last updated you on the South Branch Wind Farm. There have been some changes since the public meeting held in January 2009, so here's a summary to let you know what's been going on. The Green Energy Act has changed many of the rules surrounding renewable energy development in Ontario. The environmental assessment process and electrical interconnection process has been completely redesigned. The electrical interconnection and power purchase process is now the Feed-in-Tariff (FIT) program. This has changed the availability and returns on renewable energies in Ontario and has opened up the electrical grid to increased project capacities. Consequently, the scope of the South Branch Wind Farm has changed, from 3 separate 10 MW projects presented in the first open house (then named Brinston, Boundary and South Branch Wind Farms), to a single, 30 MW project named South Branch Wind Farm. South Branch Wind Farm was awarded a FIT contract by the Ontario Power Authority for a 30 MW facility, with expectations that the site will be permitted and fully operational by January 2013. Combining the 3 prior projects into a single project increases the efficiencies of delivering electricity to the grid, while still maintaining a small project size. The 30 MW wind farm will be comprised of a maximum of 15 turbines. A layout for the turbines, roads and cabling is				notice of proposal / notice of meeting

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to all distriution list			be comprised of a maximum of 15 turbines. A layout for the turbines, roads and cabling is being carefully designed, and should be ready for public review before the end of this year. The Green Energy Act has also updated the environmental assessment process to fall under new Renewable Energy Approval (REA) guidelines. The REA has been designed to streamline the assessment process for renewable energy projects. The results of previously conducted bird and bat studies can still be used for this process, as well as the Stage 1 archaeology survey results. The Stage 2 archaeology survey is planned for Fall 2010, as are telecommunication and other field assessments. An early step toward REA is publication of the Project Description Report, providing details of the project scope and design in the early stages of development. This document is available for download at www.prowind.ca/?page=projects-south-branch. Our next public meeting is scheduled for Wednesday, August 11, 2010 from 6 to 9pm at Matilda Hall in Dixon's Corners. Please see the attached Notice of Proposal / Notice of Public Meeting for more information. This meeting will be much the same format as the previous meeting, with updated project details and staff on-hand to answer your questions about wind energy and our project. We hope you can join us. In the mean time, if you have any questions, let us know - info@prowind.ca or 613-258-6700. Sincerely, Cathy Weston				
Bill Ault	email	18-Apr-08	Ms. Powers, Received in the mail today the Notice of Commencement - glad to see that things are moving ahead for the Prowind development in the Brinston area. As a supporter of green energy solutions I'd like to offer my companies help in any capacity that might be needed by Prowind now or in the future. Yours truly, Bill Ault Ault Energy	04/18/08	Irene Powers	Hello Bill, Thanks for your encouraging vote of confidence. We always appreciate positive feedback and particularly from others in the renewable industry. We are certainly happy to hang on to your contact information and look forward to remaining in contact. Kind Regards, Yours in wind... Irene	
Hillary Albers	email	25-Nov-08	I have just moved into Shanly, in Spencerville, and received your flyer last week re: up-coming testing near my area. Could you please advise: • Is this the first residents have ever heard/been informed of this project? • Is this project confirmed/will it proceed? • When will it start? Please provide any information you can, as this is the first I have heard of this. Hilary Jane Albers	11/25/08	Cathy Weston	Hello Ms. Albers, Thank you for your email regarding the notice you received on the Boundary Windfarm project in the South Dundas Township. Environmental screening and assessment is scheduled for the project area and will be conducted over the course of at least one year. The notice you received is the first public notification that has been issued for this project. The project is still in the early phases of planning. Prowind will make a determination as to whether the project will move through to completion based on many factors, including: results of environmental screening, wind resource assessment, successful completion of necessary permits (Federal, Provincial and Municipal). The start date is not yet determined, as this will depend on the time needed for completing the permitting process, but will not likely come before late 2009. Please let me know if you have any questions or need further detail. Kind regards, Cathy	
Hillary Albers		25-Nov-08	Hi Cathy, Regarding: "Environmental screening and assessment is scheduled for the project area and will be conducted over the course of at least one year" Does this mean that Prowind has already erected a tower to take readings, or will be doing so in the near future? Regards, Hilary Jane Albers	11/25/08	Cathy Weston	Hello, The environmental assessment began earlier this year, and will continue to span all 4 seasons. Environmental assessment studies include field studies on the flora and fauna of the area as well as determination of socio-economic impact to local residents among other items. Wind resource assessment falls outside of the environmental screening process - this type of data gathering serves the purpose of determining the economic viability of the project, rather than its impacts on the local area. There is no wind measurement tower installed at the Boundary project location at this time. Wind measurement readings have been taken at a separate site in South Dundas Twp and will be used to proxy the wind potential at Boundary location. Cathy	
Hillary Albers	email	02/20/09	Good afternoon Ms. Albers, Please find attached a copy of the letter sent to you via lettermail. Within the letter, you will see a list of documents that are enclosed in the package. As requested, I am forwarding you a copy of the material by email in addition to the hard copies sent to your home. Since the combined size of the files is quite large, I will be sending the information in several emails. I will label them in parts for easy reference. Should you experience any difficulties opening the files, please feel free to contact me. I hope you find the information helpful. Many thanks for your interest. Kindest Regards,	02/20/09			

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Jene Clingin	phone	02/23/09	Ms. Clingin telephoned Prowind Canada with several general questions about wind farm development. She also asked to be placed on the distribution list for future correspondence regarding Boundary, Brinston and South Branch windfarm projects. Amy provided responses to her questions and placed her on the distribution list.	02/23/09			
Gabrielle Scheler	email	07/08/10	Hello Cathy: Thanks for the update. Just a couple of questions: 1. From what I understand in your update email below, the 3 separate projects have now been combined into one, resulting in a single site which could have up top 15 wind turbines? 2. Where will that site be located? (its not clear from the attached map)? 3. How far is the site located from the nearest house? Gabrielle Scheler Office of the Senior Assistant Deputy Minister/ Bureau de la Sous-ministre adjointe principale Public Health Agency of Canada/	07/08/10	Cathy Weston	Ms. Scheler, Thank you for your quick response. I'll answer your questions below: Yes, this is correct. The three projects have been merged into a single project that could have as many as 15 turbines. There is no significant change in the geographic area cover of the project between then and now – the same lots are included in the project. The project is located near Brinston, Ontario. The lands included in the project are all those areas in pink on the map that was provided to you. In case you are not familiar with Brinston, here is a link to the Google Map location. http://maps.google.ca/maps?f=q&source=s_q&hl=en&geocode=&q=brinston+Ontario&ie=UTF8&hq=&hnear=Brinston,+Stormont,+Dundas+and+Glengarry+United+Counties,+Ontario&z=12 3. The project will adhere to all regulations for setbacks from property lines, roadways, schools, homes, etc. The site itself includes land that reaches to the edges of the contracted properties, but I suspect you are asking about the position of the project infrastructure, specifically the turbines, and their distance from nearby homes. The final layout for the South Branch Wind Farm has not been established, so I cannot with any certainty provide you a measurement from turbine to nearest home, yet. This information will come after we have finalized our layouts and can publish the proposed project details, including layouts and distances to neighbouring homes and other features (woodlots, roadways, etc). We expect to be able to provide this detail in the fall. The Green Energy Act requires that turbines are positioned no closer than 550m from non-participating residences, but further requires that the sound of the wind farm does not exceed 40 dB at any non-participating residence at any time. This restriction on sound normally requires that turbines be placed further away than the minimum 550 m setback. Please let me know if this helps to answer your questions. Kind regards, Cathy	
Surrounding Residences	hand-delivery	07/08/10	delivery of Notices to all houses included in the distribution map				South Branch Notice Distribution Map.pdf
Gabrielle Scheler	email	07/08/10	Thanks for the prompt reply. I'm familiar with the area as I live nearby. I note on the map that there are two pink areas - one at the end of Sandy Creek Rd & the other, much larger group of project areas that are clustered around Brinston. I'd like to know if a decision's been made as to where the 15 turbines will be located? at the Sandy Creek Road property? or near Brinston? Gabrielle Scheler	07/08/10	Cathy Weston	Sorry – my misunderstanding. Unfortunately I can't give you a definitive answer right now, because it is dependent on the type of turbine that is selected for the project. We are currently looking at several turbine options of varying capacities, which will mean somewhere between 10 and 15 turbines in total. If we select a 2MW capacity turbine, there would be 15 turbines and they would be distributed over the entire project area – with more turbines in the eastern land parcels (near Brinston), than near the Sandy Creek property. If, on the other end of our spectrum, we select a 3MW turbine, we would require 10 turbines, and it is possible that we might not locate any at the Sandy Creek property – early modeling suggests that 10 turbines could fit within the Brinston area properties. I believe that sound and other setback restrictions limit the number of turbines that could fit within the property at Sandy Creek to 4 – there's no possibility that we could fit 10 or 15 turbines on this piece alone. Hopefully this gives you a better sense of where we're at and the scope of the project impact in your area. As mentioned, I'm hopeful that we'll have a firm layout and a turbine selection before the end of this fall and at that time I'll be happy to share the precise project details to you and other interested community members. Cathy	
Gabrielle Scheler	email	07/08/10	Excellent - thanks very much for the info Cathy. We will try to attend the information session in August - this is an exciting project and we look forward to learning more about it.				

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Louise Mortimer	phone	07/20/10	Louise contacted me to find out more about the project. Her brother is considering property purchase in the area. She asked specific questions about the feeder connection, the possibility of expanding the project in future. I gave her the feeder name that's indicated in the contract and let her know that because of the noise constraints, we are not able to fit more than the 30 MW in the current project area. She asked about whether the project expands to the Edwardsburgh-Cardinal Twp and I noted that yes, there is a small parcel to the west that lies in E-C. She asked to be added to the distribution list	07/20/10	Cathy Weston	by phone	
Linda Wilson	email	08/05/10	Good Afternoon, Please include me on your mailing list. Regards Linda Wilson EDO	08/06/10	Cathy Weston	Hi Linda, Thank you for your email. I have added you to our distribution list. Regards, Cathy	
Mike Brown	phone	08/09/10	Mr. Brown called to indicate that he regrets that he will not be able to attend the open house this week. He asked about the number of turbines that will be built in the project area; the timeline for construction to begin and whether this would be our final open house	08/09/10	Cathy Weston	I indicated that there could be as many as 15 turbines, depending on the make/model that's chosen - we are building to a 30MW capacity, so a 3MW turbine, for example, would mean 10 turbines are erected. The timeline is still a ways out - construction would not occur until likely 2012. This is the second open house, a third and final open house will likely be held in Jan / Feb after a 60 day publication of the REA materials.	
Del Jones	email	08/13/10	Hi Del, Thanks again for coming out to the meeting on Wednesday. It was great to meet you and have a chance to talk. As requested, I have attached the reference sheet for the open house material so you can just click on the links. Have a great weekend and enjoy your new reading material. Take care, Rochelle		Rochelle Rumney		
Rebecca Comfort	email	08/12/10	Hi Rebecca, Thanks for attending last night's meeting. I made a note to send you the RABC telecom guideline document – hopefully this will help to answer any additional questions you might have about the consultation process on telecom, but if not, please don't hesitate to contact me with quesitons. Also – wanted to confirm that there are presently 5 separate parties that have each made agreements with Prowind to lease land for the wind farm. As I mentioned last night, we are presently seeking one additional piece, so hopefully soon I'll be able to report that there are 6 signed parties. Finally – in regards to municipal taxation, the rate that Prowind will pay is based on the assessed value of the turbines plus the amount of land that would be used for turbine footprint and access roads. If we end up with a 15 turbine project, and have a footprint of about one acre per turbine, the calculation looks like this: Annual tax contribution = industrial tax rate/year x (30 MW x $40,000/MW + 1 acre/turbine x 15 turbines x $5000/acre) For illustration, if the industrial tax rate is 0.02, then it works out to approximately $25,500 per year. Cathy		Cathy Weston		
Rebecca Comfort	email	08/13/10	Hi Cathy, Thanks for sending this info. Could you also tell me how many people, in total, attending the meeting? Rebecca.	08/13/10	Cathy Weston	Approximately 40.	
Bill Harbers	email	12/04/10	Please add me to your email list concerning all updates to the planned wind farm in the Brinston area. Bill Harbers blharbers@jcis.ca	12/06/10	Cathy Weston	Mr. Harbers, Thank you for your email. I have added your name to our project update distribution list. We will keep you informed of all project updates. Best regards, Cathy	

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David and Sheila	in-person	07-Jan	Met with David in his driveway as I was collecting MET / Lidar data. He had general questions about the proposed locations of turbines, the impacts on property value and potential for health concerns. I said that I would drop off some materials in his mailbox next time I was in the area. He commented that his neighbour to the west is adamantly opposed to the project.				
Bernd Hirseland	phone	19-Jan	Mr. Hirseland phoned to get more information about the status of our projects and whether we were requesting bids for construction. I indicated no, not yet but that we would put him on the project mailing lists. His interest is all projects across the country.				
Laura Urban	email	21-Jan	My name is Laura Urban from Belden Networking Solutions. I am contacting you in regards to the Wind Energy Farm Project in North Gower, ON. I am trying to find out whether or not this project will require any network or cabling and if so when bidding will begin if it has not already started. Belden is a leader in the design, manufacture and marketing of signal transmission solutions for data networking and a wide range of specialty electronics markets including entertainment, industrial, building management and aerospace application. If you could please contact me via email or phone, I would greatly appreciate it. My number here is 414-918-9016.	21-Jan	Cathy Weston	Hi Laura, Thank you for your call earlier today. We have not begun the bidding process for any of our wind farm sites. The North Gower project (Marlborough Wind Farm) was not awarded a FIT Contract in April of last year when the first round of contracts was awarded, so we are waiting on the results of the Economic Connection Test that the OPA will run before we will know the likely timeline for project development. I will add your email address to our distribution list and will be happy to provide project updates to you that way, as they are available. Cathy	
Richard Frey	email	03/07/11	I would love to receive your Kerr's Ridge Mailing List! Any other mailing lists you have for your other wind projects would be appreciate too! Thank you! Richard Frey	03/08/11	Cathy Weston	Mr. Frey, Thank you for your email. Your address has been added to project mailing lists for the following sites: Kerr's Ridge Wind Farm South Branch Wind Farm Innerkip Wind Farm Gunn's Hill Wind Farm Beckwith Wind Farm Upper Canada wind Farm Miller's Creek Wind Farm Marlborough Wind Farm We aim to send an update approximately quarterly for each site. Please let me know if you have specific areas of interest. Regards, Cathy	
Charles Mills	email	03/29/11	Good morning Mrs. Weston, Thank you for taking the time out of your day today to speak with me for a few minutes. As I discussed, Glentel as the largest Motorola dealer in Canada can supply South Branch Windfarm with all forms of wireless communications, including two-way radios and satellite phones for voice communications as well as V SAT, MSAT and point-to-point microwave links to provide data acquisition from the turbines to a central location. Please feel free to contact me if you have any questions in regards to the products/services we can provide.	29-Mar	Cathy Weston	Thanks Charles. I'll add your email address to our project mailing list so that you're aware of the project status, and will be sure to include you as we get closer to selecting vendors for the equipment and installation of the project. Cathy	
Project vicinity	mail delivery	31-May	May 2011 Community Update newsletter delivered and posted to web site, see distribution map on server		Cathy Weston		

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Email distribution list	email	01-Jun	Hello, I'm pleased to provide you with a copy of the South Branch Wind Farm community update newsletter. The purpose of this update is to provide a snapshot of the current activities and estimated timeline for next steps in project development. Copies of this newsletter were also delivered to residents neighbouring the project area yesterday afternoon and posted to the project website. (http://www.prowind.ca/?page=projects-south-branch) Please let me know if you have any questions or comments. We look forward to hearing from you. Kind regards, Cathy * Note that you have received this email because you are included on our project mailing list for South Branch Wind Farm. If you wish to be removed from this list please send me a quick email to request removal.		Cathy Weston		
Eddy and Irene Beaudoin	email	05-Jun	Yes please send us the e-mail updates because we have not been receiving the said mailed updates that you speak about. We went to the 1st meeting and nothing received after that . We have no idea what is going on , but because the turbines will be right next to our property and dwelling i had raised some concerns (at the 1st meeting)about the bedrock excavating and blasting during the building process and the possible disruption of our well's water source .We were told not to be concerned , as any impact to our well caused during construction of these wind turbines will be rectified to the homeowner by your company . I have already spoken to a lawyer in the event that these wind turbines do come to fruition .(we have an artesian well that is as old as this house , 120 years old with good quality water). Please keep us posted .Concerned Resident !Eddy Beaudoin.98 county road 21 (right next to Byker Road in South Dundas)613-658-5666	06-Jun	Cathy Weston	Hi Eddy, Thank you for your email. I've confirmed that you are included on our project e-mail distribution and will continue to provide updates in this manner. If you would like a hard copy of the update newsletter that was delivered by email last week, I can put one in the mail for you today. There have not been any updates presented since the last open house (August 2010), but as we move further along in the environmental assessment processes, I'll have more announcements and information that can be shared. We plan to send invitations for the next open house later this summer. In response to your concerns about the potential for damages caused by the development, I appreciate your having raised these questions with us directly. Blasting for foundations is typically only required when the bedrock is quite close to the surface. No bedrock was encountered on the project site during our preliminary geo-technical studies this past winter, so the likelihood of having to do any blasting here is extremely low. Without blasting, the process of constructing the turbine foundations is comparable to creating a foundation for a building such as a house or barn, and impacts to surrounding homes would be unlikely. That said, any damages caused by construction activities, should be reported to us immediately so that we can take steps to ensure corrections are made. Developers, including Prowind, carry liability insurance for such scenarios to ensure all parties are appropriately protected. I hope this information is helpful. Please feel free to contact me at any time with questions or comments. Kind regards, Cathy	
Charles Mills	email	02-Jun	Good morning Cathy, Thank you for the update on the project for the wind farm. As you move closer to the project implementation date if there is anything we can help you with, please do not hesitate to contact me. Thanks Charles				

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Agency and Muni distribution	email	26-Jul	Hello, Please find attached your invitation to the South Branch Wind Farm public open house. We've Scheduled this meeting for Thursday, September 29, 2011 from 6 to 9pm in Dixon's Corners. This Meeting Notice will run in tomorrow's edition of the Morrisburg Leader, and will be delivered to homes near the project within the next few days. We will be posting the updated drafts of the REA for South Branch on or before July 31st and will deliver a hard copy to the municipal offices as soon as possible. The original versions were sent to you in January 2011 – we have since incorporated feedback from our reviewers and other project stakeholders. Once the final versions of the REA are ready I'll provide contact information where you can access these reports. Please let me know if you have questions or comments. We look forward to hearing from you. Cathy				Meeting invitation
Newspaper	newsprint	7/27 and 8/3	meeting notice posted				
Flyer delivery	mailer	27-Jul	meeting notice delivered by Canada Post to Brinston RR				
Email distribution list	email	01-Aug	Hello, Please find attached your invitation to the South Branch Wind Farm public open house. We've Scheduled this meeting for Thursday, September 29, 2011 from 6 to 9pm in Dixon's Corners at Matilda Hall. This Meeting Notice ran in the July 27th edition of the Morrisburg Leader and will delivered to homes near the project within the next two days. A second advertisement for the meeting will run in the Leader on August 3rd. We hope to see you there! The draft reports for the South Branch Wind Farm Renewable Energy Approval submission are now available for download on our website at: http://www.prowind.ca/?page=projects-south-branch If you are interested to learn about the planned development for this project, please have a look at these reports – they include all details of the project design, field surveys conducted and results of environmental assessment. Hard copies of the REA reports will be posted to the Municipal offices in Williamsburg and Spencerville early tomorrow morning. We welcome your feedback on the proposed project. Please send us email with any questions or comments. Please let me know if you have questions or comments. We look forward to hearing from you. Cathy ---- * Note that you have received this email because you are included on our project mailing list for South Branch Wind Farm. If you wish to be removed from this list please send me a quick email to request removal.				meeting notice
Agency and Muni distribution	email	01-Aug	Hello All, I'm pleased to report that the updated Draft REA reports for South Branch Wind Farm are now available on our project website. You may download some or all of these reports as needed. http://www.prowind.ca/?page=projects-south-branch Please let me know if you would like me to provide you with a CD of the reports or if you have any difficulties in downloading this information. We welcome your comments on any aspect of this project. Thank you in advance for taking time to consider the proposed project. Kind regards, Cathy				none
Newspaper	newsprint	04-Aug	meeting notice posted				

Name	Medium	Date Rec'd	Comments, Questions, Concerns	Response Date	Responder (if not contact)	Response Provided	Attachment
Reminder - Open House	email		Hello, Just a reminder that our next public meeting for South Branch Wind Farm is scheduled for this Thursday from 6 to 9pm at Matilda Hall in Dixon's Corners. We hope to see you there. We will be providing the results of our environmental studies to date as well as gathering community feedback on the proposed development. All details of the draft Renewable Energy Approvals report package are available for review on our website at: http://www.prowind.ca/?page=projects-south-branch We welcome your feedback on the proposed project. Please send us email with any questions or comments. We look forward to hearing from you. Cathy * Note that you have received this email because you are included on our project mailing list for South Branch Wind Farm. If you wish to be removed from this list please send me a quick email to request removal.				invitation
Bruce Albers	email	28-Sep	Please find attached, paper copy to follow. Bruce Albers	28-Sep	Cathy Weston	Mr. Albers, Thank you for your thorough review and commentary on the draft REA package for South Branch Wind Farm. I will provide a more lengthy response to all of your points in the days to come; however, in the interim, I am pleased to report that the first several of your items will be addressed shortly. We have decided to host additional open house sessions in the neighbouring Township of Edwardsburgh / Cardinal (TEC), complete with the requisite 30 and 60-day notification periods in the coming months. Please note that we did not intend to exclude anyone located within this Township by the omission of a second venue or wider newspaper coverage, and we regret any inconvenience this may have caused. As an added benefit, refreshed meetings and notices provide us with an opportunity to incorporate additional community feedback, such as your formal response and other agency letters that have been received into a second draft of the REA package. It is our intention to hold these additional meetings at Spencerville, since this community is approximately equidistant from the TEC project area as is Matilda Hall in Dixon's Corners. If you are aware of a closer venue that would be more appropriate, I'd be pleased to consider your recommendations. I appreciate your feedback on the additional newspaper suggestions for notices and we will take this into consideration as we move ahead in our public consultation process. Kind regards, Cathy	SB_Response_sept282011_final.doc
Jane Wilson	email	29-Sep	Good day, very interested in the South Branch information for the REA and I have just a few pages of comments. Jane Wilson North Gower Member, Board of Directors, Wind Concerns Ontario Eastern Ontario Region				Summary of new evidence August 2011 FINAL.pdf; Comments.doc

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Sandy Casselman	email	03-Oct	Hello It was nice meeting you for the public meeting at Matilda Hall last week. As I was saying on Thursday night, I'm working on an article for this week's edition of the Leader. I was hoping to clarify a couple of points with you before submission tomorrow - Tuesday at noon. - The $70,000 tax benefit - how exactly does that work? - The $25,000 donation from Prowind to the community - was that yearly? ... and is there anything else you can tell me about it? - According to your website, the South Branch project officially got underway in January 2008. Is that right? I thought you mentioned an earlier date, but I wasn't positive. Thank you	03-Oct	Cathy Weston	Hi Sandy, Thanks for your email. I'll try to answer your questions below. Please let me know if you need any more clarification. Kind regards, Cathy --- Cathy Weston > From: Sandy Casselman <rebleader@vianet.ca> > Date: Mon, 3 Oct 2011 11:13:48 -0400 > To: Cathy Weston <cweston@prowind.ca> > Subject: article for Leader > > Hello > > It was nice meeting you for the public meeting at Matilda Hall last > week. > > As I was saying on Thursday night, I'm working on an article for this > week's edition of the Leader. I was hoping to clarify a couple of > points with you before submission tomorrow - Tuesday at noon. > > - The $70,000 tax benefit - how exactly does that work? The wind farm is responsible for payment of the new taxes that are applied to the new industry (i.e. the wind farm). The amount is calculated based on the nameplate capacity of the wind farm, or in other words, the amount of power that is possible to produce, the industrial tax rate and the acreage taken by each of the turbines. The estimate of $70K per year is based on published industrial rates and an assumption of at least 12 turbines and 30MW. > - The $25,000 donation from Prowind to the community - was that > yearly? ... and is there anything else you can tell me about it? This is to be an annual contribution from Prowind to the community. It would be provided each year following commissioning of the project, and through to the end of the 20 year contract. It is our intention to establish a community-based steering committee with representation from a wide spectrum of the community. This group would determine how the funds are allocated. > - According to your website, the South Branch project officially got > underway in January 2008. Is that right? I thought you mentioned an > earlier date, but I wasn't positive. > The wind measurement campaign started in approximately July 2007, so officially we did have preliminary studies going before 2008, but the coordinated efforts for the environmental work and permitting would have started in early 2008.	
Cheryl Brink	email	11-Oct	Good morning, >> >> I am interested in speaking with a Prowind representative regarding >> your plans for a wind farm in Brinston. I know I'm a little behind on >> this issue as you've already held a couple of public meetings, so I >> would appreciate chatting with someone for more details on the >> project. I was also hoping to be added to your mailing list for >> updates on this project in the future as well. > >> Thanks, >> Cheryl	11-Oct	Cathy Weston	Hi Cheryl, Thanks for your email. I'd be happy to speak with you. Can we schedule a time for later today or tomorrow morning? I have attached a fact sheet on the Brinston wind farm project (aka South Branch Wind Farm) as a starting place, but would be happy to answer questions you might have. Cathy	SB Fact Sheet_2011-10
Cheryl Brink	email	11-Oct	Hi Cathy, Thank you for your quick response. I'd prefer to speak to you today if possible; I should be in the office most of the day so please give me a call at your earliest convenience. Thanks, Cheryl	11-Oct	Cathy Weston	phone interview later that morning - see article in Freeholder on Oct 12th	

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Tina Connolly	email	05-Oct	Please add my name to the distribution list as we live right beside these proposed turbines. e-mail address is tac-mac@jcis.ca Thank you	12-Oct	Cathy Weston	Hi Tina, Thanks for your email. Is this the Upper Canada wind project near Brockville that you're referencing? I'm happy to put your email address on the communication list. To date, no turbine positions have been established for this site, nor have we moved ahead with the Renewable Energy Approvals permitting process as we have not yet been awarded a contract to sell power. If there is any change to the status of this site, I'll be sure to let you (and others on the mailing list) know. Kind regards, Cathy	
Tina Connolly	email	12-Oct	Hi Cathy It's actually for the wind project in Brinston. I just work in Brockville, thanks for adding my name. Please use the e-mail address tac-mac@jcis.ca	13-Oct	Cathy Weston	Hi Tina, Thanks again. I've added your email to our project mailing list. Regards, Cathy	
	email	07-Oct	To whom it may concern, I attended a meeting at Matilda Hall on Sept. 29th. When we first heard about this, there were only supposed to be 5 windmills. They were to be located north of Brinston. I had no problems with that. They were away from all houses. Now I find out that #15 is VERY close to 2 houses that we own. We are not happy about this!!! In this week's local Morrisburg Leader, I read that there are 2 houses that are located less that 600 metres from a proposed tower. This is unacceptable. I demand to know if they are OUR 2 houses. The paper also says that you are now only putting up 14 towers. Get rid of #15!!! Put these towers somewhere else like in a bush so people do not have to see or hear them and have their property values decline. Thank you for your reply. Lynn and Roger Gilmour			Hello Mr and Ms Gilmour, I apologize for the delay in getting back to you. Yes, the original proposal for wind farm development in the Brinston area was for 3 separate projects, each producing 10 MW of power, which would have been about 5 turbines each. These were proposed under the Renewable Energy Standard Offer Program (RESOP) which allowed the connection of projects producing up to 10 MW. The RESOP program was dissolved when the Green Energy Act was instituted; consequently, the three projects were conglomerated into one 30 MW project, so there has been no net increase in the overall size of the project activities. Closer assessment of turbine dimensions and impact on the surrounding area has driven the currently proposed turbine locations. Required minimum setbacks for sound emissions and distance from homes and property lines have been respected in all cases. We were originally proposing 15 turbines, but one was eliminated (#14) due to an archaeological find spot northwest of Brinston. Prowind opted to drop the turbine at that location rather than disturb the archaeological and natural heritage located there. The meeting you attended on the 29th had a layout of the wind farm with aerial photography and distances labeled to the closest homes. This map is available online here - http://www.prowind.ca/downloads/SBWF_REA/05_AppA_South_Branch_SitePlan_Tabloid_8K_SetbackT9_15_2011_06_15.pdf <http://www.prowind.ca/downloads/SBWF_REA/05_AppA_South_Branch_SitePlan_Tabloid_8K_SetbackT9_15_2011_06_15.pdf> . It's a rather large file, so if you have trouble downloading it, please let me know and we can figure out another way to get it to you. In addition, if you let me know your address I can look into the distances between your home and the nearest turbine. Ontario regulation laid out in the Green Energy Act prohibits turbines from being located closer than 550 m from a home or producing sound greater than 40 dbA at any home (this sound level is equivalent to then ambient sound of your home or a quiet library). The rules put in place by the Ontario government have been met and exceeded at the South Branch Wind Farm. We feel that this setback is an appropriate and safe distance to be located from a wind turbine. Of course, larger setbacks are always preferable for all parties, but are not always possible.	

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Lynn and Roger Gilmour						One reason we like to locate wind farms on agricultural land is the limited additional environmental impact created in these areas. The land is already highly altered and is not an area of high concentration for birds, bats, wildlife, etc. Locating wind farms in forested areas has its own set of impacts to the natural environment. We are trying to find a balance between environmental sensitivity and local community acceptance. Your objection to the position of turbine 15 has been noted and will be placed in the public record. If, in the future, another turbine will be removed from the project plan, your comments will be considered in that decision. For your reference I have included some information on the effects of wind farms on The most recent, local study that has been prepared regarding property value is from Chatham-Kent in 2010. This study does not find any conclusive support for the claim that wind turbines reduce property value of homes within the viewshed of the turbine. This report is attached. Another study conducted in the United States in 2010 concludes that property value dropped in the area around a proposed wind farm before it was constructed and rebounded once the wind farm was built. This supports the "wind farm area stigma theory" meaning the property values diminish due to fear of the unknown and then rebound once fears are allayed by actual experience. This study is attached. Additionally, a large, multi-state study in the US conducted in 2009, that is recognized in the industry as the most thorough, concludes: "Based on the data and analysis presented in this report, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual or small numbers of homes have been or could be negatively impacted, if these impacts do exist, they are either too small and/or too infrequent to result in any widespread and consistent statistically observable impact." This study was written by Ben Hoen et al. and can be accessed here: http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf <http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf> . Thank you for your comments and your attendance at the recent open house. There are additional open houses coming up in the near future and we will be sure to let you know about them. Do you mind if we add you to our mailing list? If you would like to share the addresses of your two homes, I will send you the distances to turbine 15, and can provide you a map that focuses in on this area. Thanks again, Rochelle Rumney	
Kim Seveny	email	09-Oct	Please see the attached form from the open house and my comments Bye for now Kim Seveny 10303 Glen Stewart Rd Brinston On K0E 1C0 613-652-1544	18-Oct	Juan Anderson	Hi Kim, Thank you for taking the time to write to us with your feedback and proposal. With respect to sound from the project turbines, we would like to stress that the proposed project has been designed using a 'foreseeable worst-case' approach with respect to sound emission. The presented sound characteristics of the turbines were chosen to represent the upper end of the sound emission characteristics of all turbine models being considered for the site. Under these conditions, the project is compliant with provincial noise regulations. In the scenario where a quieter turbine model is installed, the presented case becomes increasingly conservative. For these reasons we do not anticipate there being sound related problems in the community after construction. That being said your proposal is quite intriguing and we are certainly interested to learn more should you be in a position to provide more information. We are also logging your other concerns expressed via your survey sheet and are preparing responses. Please don't hesitate to contact us to discuss any of this further. Best regards, Juan	

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Kim Seveny	email	09-Oct	Please see the attached form from the open house and my comments Bye for now Kim Seveny 10303 Glen Stewart Rd Brinston On K0E 1C0 613-652-1544	24-Oct-11	Rochelle Rumney	Hi Denise and Kim, Thank you for filling in a comment sheet from the recent South Branch Wind Farm open house. We appreciate your feedback and are happy to send you some recent studies. I've added you to the mailing list and you'll receive all future updates on the project. I'll address each of the topics you've inquired about separately. Health Concerns The most recent paper to come out on this topic is titled "Health effects and wind turbines: A literature review"; I have attached it to this email for you. This report concludes that reported health impacts from people living near wind turbines have more to do with their attitude toward wind turbines, than physiological effects. Impacts felt by individuals living near turbines are more often health impacts from anxiety and stress from a negative attitude toward wind farms than a direct impact from the turbine itself. "...wind turbine annoyance and some reported health effects (e.g., sleep disturbance) have been statistically associated with wind turbine noise especially when found at sound pressure levels greater than 40 db(A), but found to be more strongly related to subjective factors like visual impact, attitude to wind turbines in general and sensitivity to noise." This report references an important study that measured infrasound in Alberta homes that were within 600 m of wind turbines and determines: "... that results of their study suggest that there should be no adverse public health effects from infrasound or low frequency noise at distances greater than 305 meters from the two wind turbine types measured." Any new wind farm built in Ontario is required to be below a 40 dbA sound level at nearby homes and at least 550 m (1,804 ft) away. Court Cases Earlier this year, a private citizen took the Ministry of Energy's Green Energy Act to court over the 550-metre setback, claiming that they did not use the precautionary principle for determining a setback distance. The Ontario Divisional Court dismissed this case and stated that the setback was passed with authority and was not unconstitutional. In February 2011 a wind farm renewable energy approval was taken to the Environmental Review Tribunal stating that the project would pose serious harm to human or environmental health. The ERT's decision came in July and stated that the case did not conclusively prove serious harm to human or environmental health and was dismissed. Neither Prowind nor CanWEA is aware of any court cases in which the property owner has been sued for leasing land to the project developer. Property Value The most recent and local study that has been prepared regarding property value is from Chatham-Kent in 2010. This study does not find any conclusive support for the claim that wind turbines reduce property value of homes within the viewshed of the turbine. This report is attached. Additionally, a large, multi-state study in the US conducted in 2009, that is recognized in the industry as the most thorough, concludes: "Based on the data and analysis presented in this report, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual or small numbers of homes have been or could be negatively impacted, if these impacts do exist, they are either too small and/or too infrequent to result in any widespread and consistent statistically observable impact." This study was written by Ben Hoen et al. and can be accessed here: http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf. One final study conducted in the United States in 2010 concludes that property value dropped in the area around a proposed wind farm before it was constructed and rebounded once the wind farm was built. This supports the "wind farm area stigma theory" meaning the property values diminish due to fear of the unknown and then rebound once fears are allayed by actual experience. This study is attached. Foundation design and effects on water table	USA-2010-Hinman-Wind-Farm-Proximity-and-Property-Values.pdf, Chatham Kent Property Value Study 2010.pdf, Health effects and wind turbines 2011 09 14.pdf

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						The engineered designs for the foundations of the turbines have not yet been drawn up. This will require detailed soil analysis that will not be conducted until permitting has been secured and we are closer to the construction date. The foundation construction process does not pose any more risk of contamination than that of a house foundation. Typical foundations for wind turbines are constructed of a wire rebar frame filled with poured concrete. They are 20 – 22 m in diameter (depending on soil conditions and buoyancy forces) and 3 m deep. The turbines will all be located outside of the floodplain surrounding the South Nation River as required by South Nation Conservation. The foundation design will be signed and stamped by a professional engineer and reviewed by the Township as part of the building permit process. Further details on foundation design will be posted in the Construction Plan Report in Renewable Energy Approval package that will be posted online in the upcoming weeks. Now that you are on our mailing list you will receive notification when these documents are available. Emergency Services Due the highly specialized nature of wind turbines, local emergency services are not responsible for any emergency event taking place "up-tower". The trained Operations and Maintenance staff are qualified and prepared to deal with emergency situations and these costs are borne by the developer. Local emergency services will be responsible up to a point on the ground that is agreed upon in advance of wind farm construction. An Emergency Response Plan is outlined in the Design and Operations Report that is part of the Renewable Energy Approval package. This will be available in the upcoming weeks for your review as mentioned above. Thanks again for your comments and questions. I hope I have addressed everything adequately, but if not, please do not hesitate to contact me using the contact info below.	
						Sincerely, Rochelle Rumney	
Jen Pretty	email	18-Oct	HI, it has just been brought to my attention that your company intends to build wind turbines in my community and while i am pro wind energy i am concerned about the size of the turbines. could you tell me the approximate size of these turbines? I plan to attend the next public meeting, to get more information, but wanted to get that issue cleared up in case what i am being told is way off base. appreciate your reply Jen Pretty	19-Oct	Cathy Weston	Hi Jen, Thank you for your email. We have not made a final selection for the turbines at South Branch, so we have based our environmental approval on the largest possible of each of the turbine dimensions (e.g. The maximum number of turbines, the maximum tower height and the max blade length) to ensure that our impact assessment will be more conservative than the resulting turbine that is selected. Our assumptions are for 140m towers, and 59m blade length. There is a summary of these maximum dimensions for turbines in our September project fact sheet (attached). You can also have a look at all of the information that was presented at our September 29th open house by visiting the project website at: http://www.prowind.ca/?page=projects-south-branch All of the posters presented are included at the link for the Second Public Open House Meeting. I have added your email address to our mailing list to ensure that you are included when we issue the invitations to the next public meetings. I look forward to seeing you there. Cathy	factsheet_2011-09

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Marlene Lewis	email	19-Oct	To whom it may concern about the South Branch Wind Farm I live close to the tubine that will be erected between Brinston and Dixon Corners, in fact it will be directy accross the road from my farm land. If in the future I wanted to build it would make it closer to my farm than any other house located in the hamlet. I am very concerned about property values declining, noise, and viberation. The wind turbines # 15 will be accross the road from the houses in Brinston not directly but we will be affected. It was my understanding from the first meeting that NO turbine would be located between Brinston and Dixon's. This is not so by the looks of your maps. I oppose the placement of the turbine in this area due to the number of rural homes in the area that will be affected. It is not fair that we as land owners have a 600 foot tubine placed in fields that are slated farm land. What would you feel like if a tubine was placed in your residential area? It was our choice to build in a hamlet even though you consider it rural it is however a small built up area and the tubine will be between two hamlets. If you devalue property values and we cannot sell at the market value established at this time are you going to compensate us for lost of revenue on our homes? A lot of the home owners are near retirement age and are depending on the value of our homes to be used for our later years. I know at the present there is a court case that could affect this. Also the Global news has been actively documenting wind turbines and their concerns in western Ontario and they have aired it on their stations. With this letter to you and my concerns : not just my property but I own the small farm directly accross from the turbine , 3 rental homes in Brinston so you see I have a lot to lose..... Marlene Lewis, a concern resident of Brinston I will be sending this to the enviroment and to our local government and member of MP.	25-Oct-11	Rochelle Rumney	Hello Ms. Lewis, Thank you for your comments on the South Branch Wind Farm. These have been noted and will be published in the public record that will be sent to the Ministry of the Environment with your concerns. I have put together some information on the topics you mentioned in your email – property values, noise and vibration. Property Value The most recent and local study that has been prepared regarding property value is from Chatham-Kent in 2010. This study does not find any conclusive support for the claim that wind turbines reduce property value of homes within the viewshed of the turbine. This report is attached. Additionally, a large, multi-state study in the US conducted in 2009, that is recognized in the industry as the most thorough, concludes: “Based on the data and analysis presented in this report, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual or small numbers of homes have been or could be negatively impacted, if these impacts do exist, they are either too small and/or too infrequent to result in any widespread and consistent statistically observable impact.” This study was written by Ben Hoen et al. and can be accessed here: http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf.	USA-2010-Hinman-Wind-Farm-Proximity-and-Property-Values.pdf, Chatham Kent Property Value Study 2010.pdf, A study of low frequency noise and infrasound fromwind turbines 2009.pdf
						One final study conducted in the United States in 2010 concludes that property value dropped in the area around a proposed wind farm before it was constructed and rebounded once the wind farm was built. This supports the “wind farm area stigma theory” meaning the property values diminish due to fear of the unknown and then rebound once fears are allayed by actual experience. This study is attached as well. Noise The Ontario government has put in place a sound limit for all houses not involved in the project. This regulation does not allow sound to exceed 40 dbA at your house or anyone else who lives in Brinston that is not directly involved in the project. This sound level can be compared to that of the ambient noise inside your house, or a quiet library. This noise modeling must account for worst case scenarios, so most of the time, the sound level at your home will be much lower than 40 dbA. There are two protocols in place to monitor sound complaints. If you believe the sound at your home is louder than the allowable limit, please tell us. We will have an online system in place to receive complaints at any time of day and will be followed up by a staff member shortly thereafter. Those complaints are also sent to the Ministry of the Environment who have just released their noise monitoring protocol which outlines the exact process for noise measurements they will use to address noise complaints. Vibration I’m unclear as to what sort of vibration you are wondering about. The turbine itself does not cause ground perceptible vibration from the movement or mechanics of the wind turbine. More commonly, vibration is mentioned in relation to low frequency sound (infrasound). However, measurements have been taken in homes within 500 m of turbines to determine whether infrasound emitted from turbines is present. Results show that levels are so low that infrasound could not pose negative impacts to people living in these homes. They conclude in their report: “there should be no adverse public health effects from infrasound or low frequency noise at distances greater than 1000 feet [305 m] from the wind turbine types measured”. I have attached the above report for your reference.	

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						I have attached the above report for your reference. Infrasound exists all around us all the time, from wind, waves, traffic, farm machinery, etc. The turbines do not emit anything unique and at levels that are equal to those found in our environment already. Infrasound from the wind turbines will not cause vibration in your home or your rental properties. Thanks again for the opportunity to address some of your concerns. I hope this information is useful. If you have any additional questions or concerns, please don't hesitate to contact me at the number or email address below. Sincerely, Rochelle Rumney	
	email	Oct 27, 2011	Response to survey from September 29 open house			Hello Ms. Disheau, Thank you for your comments and attendance at the recent South Branch Wind Farm open house. Community Contributions You requested some additional information on the community fund and how else the South Branch Wind Farm will give back to community. The community investment fund will be managed by a committee made up of local community members, including local residents, business owners, municipal government, etc. This community fund consists of $25,000 each year the wind farm is in operation, which is contracted to be 20 years. Over the lifetime of the project, the South Branch Wind Farm will contribute $500,000 to the local community. A charter and/or committee guidelines have not yet been established, but will be formalized prior to commercial operation of the wind farm. Interested participants may have to apply or be elected to the position (depending on number of people interested in participating) to ensure that the committee is made up of a representative selection of people that appropriately represents the interests of the community. The committee's responsibility would be to identify and prepare a proposal for these funds each year. The proposal could include any initiative the community feels is appropriate. We have heard that the local baseball diamond is closed because it doesn't have insurance – this is maybe something that can be purchased with this fund. Maybe the local church needs a new roof or the community centre needs upgrades. The money should go towards something that benefits the whole community, not just a select few individuals, that is our only stipulation. If you are interested in applying to be on the committee, please let me	

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Leslie Disheau						stipulation. If you are interested in applying to be on the committee, please let me know and I'll add your name to the list. In addition to the community fund, the South Branch Wind Farm will contribute tens of thousands of dollars to the local tax base, contributing to roads, emergency services, and all other services that taxes make possible. The construction of the wind farm will also bring hundreds of jobs, locally sourced where possible and 2-3 permanent jobs for the operation and maintenance of the wind farm. Property Value As to your comments regarding property value, I have attached a couple of studies and referenced one additional study for your review. The most recent, local study that has been prepared regarding property value is from Chatham-Kent in 2010. This study does not find any conclusive support for the claim that wind turbines reduce property value of homes within the viewshed of the turbine. Another study conducted in the United States in 2010 concludes that property value dropped in the area around a proposed wind farm before it was constructed and rebounded once the wind farm was built. This supports the "wind farm area stigma theory" meaning the property values diminish due to fear of the unknown and then rebound once fears are allayed by actual experience. Additionally, a large, multi-state study in the US conducted in 2009, that is recognized in the industry as the most thorough, concludes: "Based on the data and analysis presented in this report, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual or small numbers of homes have been or could be negatively impacted, if these impacts do exist, they are either too small and/or too infrequent to result in any widespread and consistent statistically observable impact."	
						This study was written by Ben Hoen et al. and can be accessed here - http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf. I hope this information has been helpful. If you require any additional information or have additional comments, please don't hesitate to contact me. We have added you to our mailing list and you will be informed of project updates and upcoming meetings when that information is released. We will be announcing the dated and locations of additional open houses shortly. Thanks again for your comments and interest in the South Branch Wind Farm. Take care, Rochelle Rumney	
Lynn Gilmour	email	28-Oct-11	Dera Rochelle, Thank you for your reply. I was just getting ready to write again. We own two properties as I said. They are 4350 and 4354 Bell Road. Our daughter and her family live in one house. I am concerned . I have 2 young grandsons and I do not want them to have to grow up looking at or listening to these mills. Windmills and homes do NOT mix!! I see on the site map where you have drawn lines and the measure from the proposed windmill to a house. I fail to see how you got these measures when there is NOT a building there! There are only 4 houses on the road and you show 5 inhabited houses. There is an old shed that the lines point toward. Yes put me on the mailing list. Lynn Gilmour	02-Nov-11	Rochelle Rumney	Dear Ms. Gilmour, Thank you for your response. I have attached a map of the location of turbine 15 and the distances to your homes on Bell Road. Both of your homes are more than 600 m from the turbine. More specifically, they are 628 m and 662 m from the turbine. As you mentioned in your email, we have a shed identified as a home; that was a mapping error. We recently caught this ourselves and it has been corrected in the final reports. Thank you for verifying this though. We have added you to the mailing list and you will be notified of any future updates. We are in the process of scheduling additional meetings; dates and locations will be announced soon. Thanks again for your email. Take care, Rochelle Rumney	South Branch Wind Farm_Gilmour homes 2011 10 31.pdf

Name	Medium	Date Rec'd	Comments, Questions, Concerns	Response Date	Responder (if not contact)	Response Provided	Attachment
Mailing list	email	09-Nov-11	Good afternoon, Prowind has announced the dates of three upcoming meetings for the South Branch Wind Farm in the months of December and January. These meetings will be held in both the Township of South Dundas and the Township of Edwardsburgh/Cardinal. These meetings are an Open House style, so attendees can come at any time during the event. There will be posters presented with information on wind energy, the project and the results of the field work completed to date. Prowind staff will be there to answer any questions and receive feedback from residents. Coffee, tea and snacks will be provided. The dates and locations of the meetings are as follows: Initial Open House for Township of Edwardsburgh/Cardinal: Date: Monday, December 12, 2011 Time: 6 pm to 9 pm Location: Drummond Building, 22 Ryan Street, Spencerville, Ontario Final Open House for Township of Edwardsburgh/Cardinal: Date: Wednesday, January 11, 2012 Time: 6 pm to 9 pm Location: Drummond Building, 22 Ryan Street, Spencerville, Ontario Final Open House for Township of South Dundas: Date: Tuesday, January 10, 2012 Time: 6 pm to 9 pm Location: Matilda Hall, 4241 County Road 16, Dixon's Corners, Ontario				South Branch Notice of Meetings 2011 11 03.pdf
			These meetings are also advertised in the Morrisburg Leader, Prescott Journal, Kemptville Advance and Indian Time. The "Notice of Public Meeting" as seen in the local newspapers is attached to this email and includes a map of the project lands and some additional information about the project. These meetings will present the final Draft South Branch Wind Farm Renewable Energy Approval (REA) reports, v2.2, November 4, 2011. These reports include results of all field surveys, feedback from the community and agencies and First Nations as well as approval letters from the Ministry of Natural Resources and the Ministry of Tourism and Culture. The reports are available for public review at the following locations: Township of Edwardsburgh/Cardinal Municipal Office, 18 Centre Street, Spencerville, ON Township of South Dundas Municipal Office, 4296 County Road 31, Williamsburg, ON They can also be downloaded from the Prowind website at http://www.prowind.ca/?page=projects-south-branch-REA For questions or comments about any of the above information, please call our office at (905) 528-1747, email us at info@prowind.ca or visit our website at www.prowind.ca. Thank you for your interest in the South Branch Wind Farm. We hope to see you at one of the upcoming open houses. Sincerely, The Prowind Canada team				

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Newspapers - Kemptville Advance, Morrisburg Leader, Prescott Journal, Indian Time		Nov 9/10, 2011	Notice of Meetings 2011 11 03.pdf				
Mailed to local area through Canada Post		Nov 9/10, 2011	Notice of Meetings 2011 11 03.pdf				
Bruce Albers	email	18-Nov-11	Hi Bruce, Hope you've had a good week. We have prepared responses in the attached letter to your detailed and thorough comments on the initial draft of the South Branch REA. As you may be aware, we have also recently updated our draft REA reports and made the latest versions available for public comment. The latest versions of the reports incorporate updates in response to feedback from agencies, municipalities, and members of the public such as yourself. We would like to thank you for the professional nature of your review and extend an offer to meet in person should that be of interest. Have a good weekend, Juan				Albers Response Letter 2011 11 18.pdf
Candace	email	22-Nov-11	Good Morning, I am a resident of South Dundas and will be located 2 km from one of the proposed wind turbines on Byker Road. I will let you know I am AGAINST this project. But I have some questions I would like answered. Have you completed any studies on actual people living near these wind turbines?(I understand that legally it is your responsibility to prove that there are no negative effects) Have you had a member of the OREA complete property value assessments on homes surrounding wind farms in Ontario? Have you looked into the possibility of extending the area away from homes that these turbines are allowed? (Australia has recently due to effects of wind turbines) Do you or any member of your team have an industrial wind tubine in your backyard? Have you considered the possibility of placing these wind farms in Northern Ontario where the land is not as densly populated? How many jobs will these turbines create for my community? Why is the Wind Farm industry more unsafe for Workers than a nuclear power plant? Your prompt response would be appreciated. Sincerely, Candace Honders South Dundas Resident	Dec 2. 2011	Rochelle Rumney	Hello Ms. Honders, Thank you for your questions about Prowind and the South Branch Wind Farm. I have put together some responses and attached some recent information that you can use for your reference. There are some great studies available to clearly address some of your concerns. 1. Have you completed any studies on actual people living near these wind turbines?(I understand that legally it is your responsibility to prove that there are no negative effects) We have not directly studied any people living the in the area. We have done numerous studies on the environment to predict risks and impacts from the future development of the wind farm. Sound is usually a concern for nearby residents and we conduct a sound modeling report in advance of the wind farm layout and submit to the Ministry of Environment for their review. We are legally obligated to maintain turbine sound levels at 40 dBA or below at nearby non-participating homes. This is the about the sound level of a quiet room. Where you are, 2 km from the nearest turbines, you will not experience sound levels anywhere near 40 dBA, you likely won't hear the turbines much at all. It is becoming clear that the negative human effects that appear to be associated with wind farms are related to sound and the annoyance levels associated with that sound. This is more closely linked with previous attitudes toward wind turbines and the project than actual physiological effects caused by turbine sound. This is outlined in a recent literature review titled "Health effects and wind turbines". I have attached it for your review. We do conduct studies on natural features (wetlands, woodlands, wildlife habitat, etc.), telecommunications impacts (cell, tv, radio, emergency services, etc.), radar impacts, and archaeology impacts in the local area. 2. Have you had a member of the OREA complete property value assessments on homes surrounding wind farms in Ontario? We have not completed property value assessments for the homes in the area, but other projects have undergone before and after property value assessments. The studies indicate that there is no correlation between proximity to wind turbines and property value. There	Health effects and wind turbines 2011 09 14.pdf, Chatham Kent Property Value Study 2010.pdf

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Honders						are incidences where a property value decreases and other incidences where the property value increases after a project is built. In short, there is a not a distinct trend in property value due to the presence a wind farm. I have attached study from Ontario that describes this for your review. 3. Have you looked into the possibility of extending the area away from homes that these turbines are allowed? (Australia has recently due to effects of wind turbines) The possibility of increased setbacks is difficult in Ontario based purely on the pattern of land divisions in rural areas. South, Central and Eastern Ontario are relatively well developed and homes are built on small lots with smaller lots subdivided off. This makes it difficult to place a turbine much more than 550 m in some cases because there is always a home nearby. If the setback was increased to 1 or 2 km as some suggest, it would decimate the opportunity for building wind energy anywhere in the southern half of Ontario. If there was room to increase setbacks, we would certainly make every effort to do so, but the layout of the area around Brinston does not provide that opportunity. 4. Do you or any member of your team have an industrial wind tubine in your backyard? Actually, yes, the owner of the company Johannes Busmann has a turbine directly in his backyard, only a short distance from his dairy barn. It has been there for years and he experiences no problems with it. Additionally, our local president, Cathy Weston, lives a couple of kilometres from another wind farm we are proposing in North Gower 5. Have you considered the possibility of placing these wind farms in Northern Ontario where the land is not as densly populated? The model Prowind follows for developing wind energy is agricultural. We have experience in agricultural practices, enjoy working with agricultural communities and feel that wind energy and agricultural land use makes a great match. One reason for this is reduced environmental impacts, because the land is already heavily altered from its natural state for cropland. Wind energy also maintains agricultural lifestyle by not allowing infill residential development and it is a reliable source of income for farmers who are involved in the project, and that is very important today. 6. How many jobs will these turbines create for my community?	
						This project will create hundreds of jobs during construction. These jobs are locally sourced where possible; jobs like rebar construction, concrete pouring and forming, land clearing, backhoe services, aggregate application, etc. The construction of these wind turbines is a big undertaking and it requires a lot of people. It is difficult to say exactly how many will be needed, but we can say approximately 200 or more temporary jobs will be created. Long-term jobs will be required to maintain the wind farm for the duration of its lifetime (approx. 20 years). This will likely be 2-3 permanent jobs and perhaps another long-term part-time job to clear the access roads of snow. These jobs will have to be local as they will be on the wind farm site daily, monitoring and maintaining the turbines. During the operation phase of the project there may also be times where more staff are required to complete more significant repairs. 7. Why is the Wind Farm industry more unsafe for Workers than a nuclear power plant? We disagree that the wind farm industry is more dangerous than the nuclear industry. We only have to look at the recent major disaster in Japan and the previous major disaster in Chernobyl to reinforce that. Thank you again for your email and your questions. I hope I have been able to provide some useful information. If you have additional questions or would like clarification on anything I have provided above, please don't hesitate to contact me. Take care,	

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Jane Wilson	email	02-Dec-11	Hello Ms. Wilson, Thank you for your comments on the South Branch Wind Farm Renewable Energy Approval. We have reviewed your comments and incorporated some of your feedback into the updated version of the REA which is now available online for your reference and additional review, if you so wish. We have prepared some comments to address your questions and concerns and have attached a letter with this information. I have also attached a report that we reference in our comments if you wish to read the document in its entirety. If you have any additional question or comments, please don't hesitate to contact me. Have a good weekend, Rochelle Rumney				Wilson_South Branch Wind Farm_Response_2011 12 02.pdf, Health effects and wind turbines 2011 09 14.pdf
Email distribution list	email	12/07/11	Dear Stakeholder. Hello! We are writing to provide a reminder of our upcoming open house meeting for the South Branch Wind Farm this Monday, December 12th from 6 to 9pm at the Drummond Building in Spencerville. The meeting notice is attached for your ease of reference. Monday's meeting will be held in similar fashion to our previous open houses, with posters and project materials available for review and staff on-hand to answer your questions and record your comments and feedback. This will be our first meeting in Spencerville, and the Township of Edwardsburgh/Cardinal and we're pleased to provide additional opportunity for feedback from all neighbours of the project area. Prowind has received a request to do a formal question and answer period during one of our open house sessions. We agree that this can be a useful session for everyone, so Q&A sessions will be incorporated as a key element of our public meetings in January. Details of the time and format will be provided to the community via handouts and advertisements posted closer to the meeting dates, but as an early heads-up, we will plan to host this formal Q&A from 7 to 8:30pm on both January 10th (Matilda Hall, Dixon's Corners) and January 11th (Drummond Building, Spencerville). If you would like to submit your questions in advance, please send them to us by email or drop them off to us during this Monday's meeting. Kind regards, Cathy				South Branch Notice of Meetings 2011 11 03.pdf
Bruce Albers	email	07-Dec	Cathy, A couple of questions about the Q & A segment: 01) You mentioned that those types of sessions are useful, why not include it as part of your program on Dec 12? 02) Will the Q & A sessions be recorded in some fashion? 03) You mention submitting questions in advance, is this mandatory, or will you entertain questions from the floor? 04) Who will moderate the session? 05) Will there be MOE and regional health unit officials on hand to answer questions? Thanks, Bruce	07-Dec	Cathy Weston	Hi Bruce, Thank you for your email and for your questions. 1 – Due to the shorter timeline for the December meeting we elected to provide more notice and hold the Q and A sessions during the January meetings. Our staff will also be available to members of the public during the December open house as usual. If you have any questions at this time we would be happy to address them. In addition, our offer for an in-person meeting still stands if you are interested. 2 – Yes, the session will be recorded. 3 – Submitting questions in advance will not be mandatory, but advance questions from local residents will be given priority. We will also establish a process for taking questions from local residents from the floor. 4 – A moderator has yet to be identified. We are seeking a neutral, non-partisan individual with experience in this type of role. We will send out notification once we have made a selection. 5 – Representatives from the MOE and local health officials are not required to attend the public open house sessions, and their involvement in a Q&A panel would need to be at their own discretion. We will, however, connect with these groups to determine whether your suggestion to have them participate in the Q&A panel is something that can be coordinated. Kind regards, Cathy	none

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Cathy Dentz	email	Jan 10, 2012	To whom this may concern: I have a few questions for the Prowind team for tonight's meeting. 1. In the report, The Potential Health Impacts of Wind Turbines, it states in their summary paragraph that: "The sound level from wind turbines at common residential setbacks is not sufficient to cause impairment or other direct health effects, although some people may find it annoying." A. If no direct health effects, what about indirect ones? Certainly, not being able to sleep because of the sound of the wind can cause all kinds of health problems, stress related or otherwise. Can Prowind honestly tell us our health won't be negatively impacted? B. We can hear the 401 where we live and it's 5 km away. If we're "annoyed" by the constant hum of an industrial wind turbine what can we do about it? C. What studies have been done in this location to ensure our health isn't negatively impacted by the proposed industrial wind turbines? D. How does the sound affect animals? What about livestock, bats and birds? 2. Why should taxpayers pay more for wind energy than nuclear energy, especially when we have an excess of energy in our province? Nuclear energy runs around $0.06 kWH and wind is approximately $0.80 kWh 3. People have moved away from their homes when industrial wind turbines are close by. Do you know of any communities where they are happy to have industrial wind turbines close to them? Cathy Dentz				
John Burke	email	Jan 10, 2012	A neighbour passed on your coordinates regarding tonight's meeting at Dixon's Corners. I have been a resident of South Dundas since 1989 and, of course, am interested in local developments. Specifically, I would like to know if your company has conducted, or intends to conduct, independent environmental/health and safety studies on the impact of your proposed wind turbine installations and make the results of these studies widely available to residents? I may not be able to attend the meeting tonight but would appreciate if my question is raised. John Burke John D Burke 176 Gloucester St., Suite 203 Ottawa ON (O) 613-231-6291 (Cell) 613-299-0102 www.burkecader.ca				
Tina Connolly	email	Jan 10, 2012	This question is for the meeting Jan 10, 11th at Matilda Hall and Spencerville. 1. We live within the 1km range of 4 of the turbines going in the Dundas area. My question is what will Prowind do if my well water/pressure is affected? Ontario has the Clean Water Standards, and If my well water is affected by the construction of these turbines will Prowind fix my well to the Ontario Clean Water Act standards or to the higher standards that my well currently is? I haven't received any answers regarding WHERE our water vein is and if it will be affected-as this cannot be determined. Once that damage is done it cannot be fixed. We use our well not only for household use but also watering livestock and gardens. This is part of our annual income and our well is very important part of this process. 2. Is Prowind going to offer to give every home owner within the turbine area a guarantee that our property values will NOT GO DOWN. If not why not? All properties should have an assessment done BEFORE the turbines go up and Prowind should pay as these turbines were not here when we bought property here and we may not be able to sell after they are erected. 3. If all these questions cannot be answered tonight when will we get [message truncated]				

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Norris Wilson	email	Jan 11, 2012	Hi Rochelle, Jeff asked me to send you this SPIS form after our meeting last night. Please forward to him and refer him to point 3 on page 2 where wind farms are included specifically as a detrimental condition. Jeff, I also thought some more about the one sale from Geowarehouse we discussed and realized that the value increase 2007 to 2011 was only about 1% per year. Hardly in keeping with the 2 or 3 % pa Royal LePage indicate for London for that period. Something is depressing that market – could it be wind development? Norris				SPIS[1]2011.pdf
Larry Terry	email	Feb 12, 2012	Cathy, At a meeting before Christmas in our area (Spencerville - we have properties in both South Dundas and Edwardsburg/Cardinal locations), my spouse verbally asked for the flicker report study and you'd said you could forward. As the request was verbal, and I'm sure there were lot's of actions to follow up on, I'm not surprised we'd not seen it yet. Can you share this with me now? Further to the request, do you have current Ice Throw data available? I was also interested in the pro forma project estimates for site or project decommissioning costs - do you have data for this? Cheers! Larry and Susan Terry 10727 Kirker Rd Brinston, ON K0E1C0	Feb 17, 2012	Juan Anderson	Hello Susan and Larry, Thank you for your questions and your follow-up email. We have compiled responses for you according to each heading below. Please note that Cathy Weston has gone on to pursue personal interests and Rochelle Rumney and I are available for future questions/comments. Ice Throw I have attached a report we commissioned from a specialized consultant to look at ice throw. The report makes several conservative assumptions about conditions at the site (such as 100 vehicles per day on Byker rd) and states that if no mitigation measures are applied "…the annual likelihood of an ice-vehicle impact is 0.0013, i.e., one impact every 785 years." If mitigation measures are applied to shut the turbines down during icing events " …the annual likelihood of vehicle impact … reduces to 0.0010, or one impact every 985 years." Decommissioning With respect to decommissioning the project we have the following cost percentages based on January 2012 scrap prices. At this time we expect the scrap value of the project components to exceed the cost of decommissioning. In addition, we have committed $1,000/MW/year to be put into escrow each year for the 20 year contract to cover any unforeseen additional expenses. <Table of Decommissioning Costs> Shadow Flicker Two properties, one in South Dundas and one in Edwardsburgh/Cardinal are referenced in your email. We assume that the property in South Dundas is the address listed at the bottom of your email, 10727 Kirker Rd. Based on our investigation, this property is located to the west of the intersection with Fulton Rd. Please inform us if this is incorrect. This area is approximately 2.5 km from the nearest proposed turbine (T9) and is well beyond the expected reach of shadow flicker from the South Branch Wind Farm. We kindly request the address for the property in Edwardsburgh/Cardinal so we can provide a specific response for that property as well. Best regards and have a good long weekend, Juan	South Branch Ice Throw Report 2012 02 24.pdf

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	email	Feb 14, 2012	Hello Mr. Giles, Thank you for attending our previous open houses for the South Branch Wind Farm. At the meeting in December you requested some additional information on: 1. Noise and Shadow Flicker effects on people 2. Vibration and low frequency noise on farm animals 3. Flight paths of ducks and geese and bats (spring and fall) 4. Proven health issues that are aggravated or arise 5. Devaluation of property values short and long term 1. Noise and Shadow Flicker effects on people In Ontario the regulated setback is 550 m from any non-participating residence and the noise limit is 40 decibels (dB). The 40 dB number is based on the World Health Organizations' Night Noise Guidelines for Europe. This can be downloaded here: http://www.euro.who.int/__data/assets/pdf_file/0017/43316/E92845.pdf. Within the introduction of the report it is stated: "Considering the scientific evidence on the thresholds of night noise exposure ... 40 dB should be the target of the night noise guideline (NNG) to protect the public, including the most vulnerable groups such as children, the chronically ill and the elderly." Setbacks are above the minimum required by the Province and all non-participating residences are below 40 dB, using conservative modeling. At 550 m and 40 dB the local area residents should not experience and negative effects, health or otherwise, from noise. Shadow flicker is most concentrated in the area immediately surrounding a turbine and this impact is heavily mitigated by the setbacks in Ontario. The shadow flicker effect decreases in intensity as distance from the turbine increases. Based on local meteorological conditions, shadow flicker is expected to be less than an average of 20 hours annually at any non-participating residence. According to the Epilepsy Foundation of America, flickering or flashing light can trigger seizures at frequencies of 5-30 Hz, while other sources cite frequencies as low as 3 Hz as being problematic. The maximum RPM of a wind turbine at the South Branch Wind Farm is proposed to be 20 RPM, which corresponds to a flicker frequency of 1 Hz, well below the 3 Hz threshold. (Epilepsy Foundation of America. 2010. Accessed Jan 5, 2012 from www.epilepsyfoundation.org/aboutepilepsy/seizures/photosensitivity/index.cfm).				Health effects and wind turbines 2011 09 14.pdf
			2. Vibration and Low frequency Noise of farm animals We are not aware of any credible evidence to suggest that farm animals are negatively impacted by sound from wind turbines, and current Renewable Energy Approval requirements do not identify farm animal health as a potential impact from wind projects. We note that many farm animals are exposed to sound and vibration from barn ventilation systems, milking equipment, tractors, corn dryers etc. And livestock can often be found grazing beneath wind turbines in their pastures. A study from Norway in 2004 titled "Effects of wind turbines on area use and behaviours of semi-domestic reindeer in enclosures" written by K. Flydal, S. Eftestøl, E. Reimers & J. E. Colman, looks at just this with a popularly farmed species that is very similar to cows/horses in this area. This report can be downloaded here: http://septentrio.uit.no/index.php/rangifer/article/viewFile/301/282. From the abstract: "Five different groups of reindeer in a 450 m long, 8 hectare, enclosure close to a wind turbine were manipulated by turning the wind turbine rotor on and off, and compared with reindeer in a control enclosure without wind turbine exposure. When exposed to rotor movement, two groups used locations farther from the wind turbine, two groups showed no shift, while one group moved closer to the wind turbine. The reindeer showed no systematic differences in the measured behaviour patterns between the two enclosures that could indicate fright or stress as a consequence of the wind turbine or rotor movement. We conclude that semi-domestic reindeer in an enclosure showed no negative behavioural response and little or no aversion towards a wind turbine." 3. Flight paths of ducks and geese and bats (spring and fall) Please refer to the South Branch Wind Farm documents outlining the details of the pre-construction bird survey and the pre-construction bat surveys. All reports indicate the site is in an area of low risk to bird and bat populations. http://prowind.ca/downloads/SBWF_REA2_2/03_C-SBWF_Pre-Construction_Avian_Surveys.pdf http://prowind.ca/downloads/SBWF_REA2_2/03_D-SBWF_Pre-Construction_Bat_Surveys.pdf Investigation and monitoring of the impact to birds and bats continues after the project is constructed. A protocol for post-construction monitoring of bird and bat mortality has been developed in consultation with the Ministry of Natural Resources (MNR). This protocol involves regular surveys searching for bird and bat carcasses for the first three years following construction. The results of these surveys are summarized in a report that will be				

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Robbie Giles			submitted annually to the MOE and MNR. The monitoring protocol contains a contingency plan should an unforeseen large-scale mortality event occur. If this occurs, MNR and/or MOE will be notified and mitigation measures will be considered. Some mitigation measures, approved by MNR are discussed in the South Branch Avian and Chiropteran Post-Construction Monitoring Plan. These include feathering the blades of the turbines to reduce likelihood of collision or stopping the turbines at certain times of the day or year when high mortality has been recorded. You can access hard copies of these reports at the above noted locations or download a copy of the Post-Construction Monitoring Plan here: http://prowind.ca/downloads/SBWF_REA2_2/03_I-SBWF_PostConstructionMonitoring-Birds_and_Bats_2011-10-27.pdf. High mortality of birds and bats are not expected at the South Branch Wind Farm, and a plan is in place to ensure that expectation is accurate. 4. Proven health issues that are aggravated or arise This question assumes that there are proven health issues from wind turbines, which is not true at this point. Evidence continues to come in supporting that "health issues" from wind turbines are more closely linked to attitude toward wind turbines and annoyance from environmental change than anything the turbine itself is emitting. A report is attached titled "Health effects and wind turbines: A review of the literature" by Loren Knopper and Chris Ollson. I recall that you attended the public meeting on January 10th, so you know that Mr. Knopper was there presenting the findings of this report and addressing health related questions. Here is an excerpt from the report that highlights the results: "In peer reviewed studies, wind turbine annoyance has been statistically associated with wind turbine noise, but found to be more strongly related to visual impact, attitude to wind turbines and sensitivity to noise. To date, no peer-reviewed articles demonstrate a direct causal link between people living in proximity to modern wind turbines, the noise they emit and resulting physiological health effects. If anything, reported health effects are likely attributed to a number of environmental stressors that result in an annoyed/stressed state in a segment of the population." Additionally, a study from Massachusetts was just released in January 2012 and comes to a similar conclusion. That study can be downloaded here: http://www.mass.gov/dep/energy/wind/turbine_impact_study.pdf 5. Devaluation of property values short and long term There have been recent numerous studies conducted in the vicinity of constructed wind farms that indicate no distinct trend linking proximity to wind farms to property value loss. A 2010 report from Chatham-Kent, Ontario that concludes: "No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis. Furthermore, this study did not find any consistent evidence from the analyzed data that such a negative correlation exists in the municipality of Chatham-Kent. During the course of gathering data, there were no unusual quantities of rural residential properties listed for sale in the study area. Four unrelated data processes were used in studying the property sales information for Chatham-Kent. The only consistency was that each evaluation methodology found that it was highly unlikely that any type of a causal relationship exists between wind farms and the market values of rural residential real estate." There is also another study that is even more recent, 2011, but was conducted in Illinois. This study is titled "The Effect of Wind Farms on Residential Property Values in lee County, Illinois" written by J. Carter. Similar concerns about property devaluation arose in that area and this study was conducted in response to those concerns. The abstract from this study is copied below. It can be downloaded here: http://renewableenergy.illinoisstate.edu/wind/publications/2011%20Wind%20Farms%20Effect%20on%20Property%20Values%20in%20Lee%20County.pdf "Lee County, Illinois experienced significant wind energy development over the last decade. The county is home to the first commercial wind farm constructed in Illinois, which began operation in November of 2003. Additional wind farms began operating in April of 2007 and December of 2009. Although the County has been living with wind development for several years, there is still debate about its effect on residential property values. This study utilizes a hedonic price model to assess the impacts on 1,298 real estate transactions from 1998 to 2010. The analysis indicates that residential properties located near wind turbines in Lee County have not been affected by their presence." Additionally a large study was conducted in 2009 in the United States that looked at 10 different states and 14 different Counties to identify trends in property value near wind farms. The study is "The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site hedonic Analysis" by B. Hoen et al. It can be downloaded here http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf				

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			Below is an excerpt from the Conclusion of the Executive Summary. "Though each of the analysis techniques used in this report has strengths and weaknesses, the results as a whole are strongly consistent in that none of the models uncovers conclusive evidence of the presence of any of the three property value stigmas that might be present in communities surrounding wind power facilities. Therefore, based on the data sample and analysis presented here, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual homes or small numbers of homes have been or could be negatively impacted, it finds that if these impacts do exist, they are either too small and/or too infrequent to result in any widespread, statistically observable impact. Moreover, to the degree that homes and wind facilities in this sample are similar to homes and facilities in other areas of the United States, the results presented here are expected to be transferable to other areas." I hope this information is helpful in addressing your concerns. If you'd like additional information on any topic, please don't hesitate to contact us.				
			Thanks very much, The Prowind Team				
Lana Barkley	email	Feb 14, 2012	Hello Ms. Barkley, Thanks for attending one of the previous open houses for the South Branch Wind Farm. You requested some additional information on medical issues, and property value. Health The first report is titled "Health effects and wind turbines: A review of the literature". The report was written by Loren Knopper and Chris Ollson. If you attended the public meeting on January 10th or 11th of this year, you'll recall that Mr. Knopper was there presenting the findings of this report and addressing health related questions. Here is an excerpt from the report that highlights the results: "In peer reviewed studies, wind turbine annoyance has been statistically associated with wind turbine noise, but found to be more strongly related to visual impact, attitude to wind turbines and sensitivity to noise. To date, no peer reviewed articles demonstrate a direct causal link between people living in proximity to modern wind turbines, the noise they emit and resulting physiological health effects. If anything, reported health effects are likely attributed to a number of environmental stressors that result in an annoyed/stressed state in a segment of the population." Property Value There have been recent numerous studies conducted in the vicinity of constructed wind farms that indicate no distinct trend linking proximity to wind farms to property value loss. I have attached a recent report on this topic. This is a 2010 report from Chatham-Kent, Ontario that concludes: "No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis. Furthermore, this study did not find any consistent evidence from the analyzed data that such a negative correlation exists in the municipality of Chatham-Kent. During the course of gathering data, there were no unusual quantities of rural residential properties listed for sale in the study area. Four unrelated data processes were used in studying the property sales information for Chatham-Kent. The only consistency was that each evaluation methodology found that it was highly unlikely that any type of a causal relationship exists between wind farms and the market values of rural residential real estate." There is also another study that is even more recent, 2011, but was conducted in Illinois				Health effects and wind turbines 2011 09 14.pdf. Chatham KentPproperty Value Study 2010.pdf

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			There is also another study that is even more recent, 2011, but was conducted in Illinois. This study is titled "The Effect of Wind Farms on Residential Property Values in lee County, Illinois" written by J. Carter. Similar concerns about property devaluation arose in that area and this study was conducted in response to those concerns. The abstract from this study is copied below. It can be downloaded here: http://renewableenergy.illinoisstate.edu/wind/publications/2011%20Wind%20Farms%20Effect%20on%20Property%20Values%20in%20Lee%20County.pdf "Lee County, Illinois experienced significant wind energy development over the last decade. The county is home to the first commercial wind farm constructed in Illinois, which began operation in November of 2003. Additional wind farms began operating in April of 2007 and December of 2009. Although the County has been living with wind development for several years, there is still debate about its effect on residential property values. This study utilizes a hedonic price model to assess the impacts on 1,298 real estate transactions from 1998 to 2010. The analysis indicates that residential properties located near wind turbines in Lee County have not been affected by their presence." Additionally a large study was conducted in 2009 in the United States that looked at 10 different states and 14 different Counties to identify trends in property value near wind farms. The study is "The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site hedonic Analysis" by B. Hoen et al. It can be downloaded here http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf Below is an excerpt from the Conclusion of the Executive Summary. "Though each of the analysis techniques used in this report has strengths and weaknesses, the results as a whole are strongly consistent in that none of the models uncovers conclusive evidence of the presence of any of the three property value stigmas that might be present in communities surrounding wind power facilities. Therefore, based on the data sample and analysis presented here, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual homes or small numbers of homes have been or could be negatively impacted, it finds that if these impacts do exist, they are either too small and/or too infrequent to result in any widespread, statistically observable impact. Moreover, to the degree that homes and wind facilities in this sample are similar to homes and facilities in other areas of the United States, the results presented here are expected to be transferable to other areas. I hope this information is helpful in addressing your concerns. If you'd like additional information on any topic, please don't hesitate to contact me. Thanks very much, The Prowind Team				

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	email	Feb 14, 2012	Hello Mr. Simzer, Thank you for attending our previous open houses for the South Branch Wind Farm. You requested information on all topics. We have included recent and relevant reports on health, property value, ice throw, birds and sound/infrasound. Health A report is attached titled "Health effects and wind turbines: A review of the literature" by Loren Knopper and Chris Ollson. I recall that you attended the public meeting on January 10th, so you know that Mr. Knopper was there presenting the findings of this report and addressing health related questions. Here is an excerpt from the report that highlights the results: "In peer reviewed studies, wind turbine annoyance has been statistically associated with wind turbine noise, but found to be more strongly related to visual impact, attitude to wind turbines and sensitivity to noise. To date, no peer-reviewed articles demonstrate a direct causal link between people living in proximity to modern wind turbines, the noise they emit and resulting physiological health effects. If anything, reported health effects are likely attributed to a number of environmental stressors that result in an annoyed/stressed state in a segment of the population." Additionally, a study from Massachusetts was just released in January 2012 and comes to a similar conclusion. That study can be downloaded here: http://www.mass.gov/dep/energy/wind/turbine_impact_study.pdf Property Value There have been recent numerous studies conducted in the vicinity of constructed wind farms that indicate no distinct trend linking proximity to wind farms to property value loss. I have attached a recent report on this topic. This 2010 report from Chatham-Kent, Ontario that concludes:				Health effects and wind turbines 2011 09 14.pdf. Chatham Kent Property Value Study 2010.pdf, South Branch Wind Farm Ice Throw Report 2012 01 23.pdf
			"No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis. Furthermore, this study did not find any consistent evidence from the analyzed data that such a negative correlation exists in the municipality of Chatham-Kent. During the course of gathering data, there were no unusual quantities of rural residential properties listed for sale in the study area. Four unrelated data processes were used in studying the property sales information for Chatham-Kent. The only consistency was that each evaluation methodology found that it was highly unlikely that any type of a causal relationship exists between wind farms and the market values of rural residential real estate." There is also another study that is even more recent, 2011, but was conducted in Illinois, USA. This study is titled "The Effect of Wind Farms on Residential Property Values in Lee County, Illinois" by J. Carter. Similar concerns about property devaluation arose in that area and this study was conducted in response to those concerns. The abstract from this study is copied below. It can be downloaded here: http://renewableenergy.illinoisstate.edu/wind/publications/2011%20Wind%20Farms%20Effect%20on%20Property%20Values%20in%20Lee%20County.pdf "Lee County, Illinois experienced significant wind energy development over the last decade. The county is home to the first commercial wind farm constructed in Illinois, which began operation in November of 2003. Additional wind farms began operating in April of 2007 and December of 2009. Although the County has been living with wind development for several years, there is still debate about its effect on residential property values. This study utilizes a hedonic price model to assess the impacts on 1,298 real estate transactions from 1998 to 2010. The analysis indicates that residential properties located near wind turbines in Lee County have not been affected by their presence." Additionally a large study was conducted in 2009 in the United States that looked at 10 different States and 14 different Counties to identify trends in property value near wind farms. The study is "The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site hedonic Analysis" by B. Hoen et al. It can be downloaded here http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf Below is an excerpt from the Conclusion of the Executive Summary of the above noted report: "Though each of the analysis techniques used in this report has strengths and				

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Mark Simzer			weaknesses, the results as a whole are strongly consistent in that none of the models uncovers conclusive evidence of the presence of any of the three property value stigmas that might be present in communities surrounding wind power facilities. Therefore, based on the data sample and analysis presented here, no evidence is found that home prices surrounding wind facilities are consistently, measurably, and significantly affected by either the view of wind facilities or the distance of the home to those facilities. Although the analysis cannot dismiss the possibility that individual homes or small numbers of homes have been or could be negatively impacted, it finds that if these impacts do exist, they are either too small and/or too infrequent to result in any widespread, statistically observable impact. Moreover, to the degree that homes and wind facilities in this sample are similar to homes and facilities in other areas of the United States, the results presented here are expected to be transferable to other areas." Ice Throw In response to some concerns by both the municipalities and the public, we commissioned an ice throw report from a specialized consultant, Zephyr North. Their analysis used several conservative assumptions along with the wind and weather conditions in this area and came up with a statement of risk from ice throw at the South Branch Wind Farm. The report included an analysis of the risk to Byker Rd. To account for future upgrades and increased future traffic flow, the risk included the assumption that 100 cars a day traveled down this road. If the turbine is spinning and ice is thrown from a blade, "…the annual likelihood of an ice-vehicle impact is 0.0013, i.e., one impact every 785 years." As discussed at the previous meeting, it is good practice, for safety and to prevent machine damage, to shut the turbine down if ice is detected. When the turbine is stationary, " …the annual likelihood of vehicle impact … reduces to 0.0010, or one impact every 985 years." As you can see, the risk from ice throw is very low even when traffic conditions are assumed to be higher than the current volume. I have attached the full report for your review. Birds The area around the South Branch Wind Farm has been investigated for the presence of birds and bats. Results of both studies indicate that the site is an area of low risk to bird and bat populations. Further information can be found in the Bird and Bat Pre-construction Survey reports that can be accessed online at the following links: http://prowind.ca/downloads/SBWF_REA2_2/03_C-SBWF_Pre-Construction_Avian_Surveys.pdf http://prowind.ca/downloads/SBWF_REA2_2/03_D-SBWF_Pre-Construction_Bat_Surveys.pdf or viewed in hard copy a the following locations: · Township of South Dundas Municipal Office, 4296 County Road 31, Williamsburg · Township of Edwardsburgh/Cardinal Municipal Office, 18 Centre Street, Spencerville Investigation and monitoring of the impact to birds and bats continues after the project is constructed. A protocol for post-construction monitoring of bird and bat mortality has been developed in consultation with the Ministry of Natural Resources (MNR). This protocol involves regular surveys searching for bird and bat carcasses for the first three years following construction. The results of these surveys are summarized in a report that will be submitted annually to the MOE and MNR. The monitoring protocol contains a contingency plan should an unforeseen large-scale mortality event occur. If this occurs, MNR and/or MOE will be notified and mitigation measures will be considered. Some mitigation measures, approved by MNR are discussed in the South Branch Avian and Chiropteran Post-Construction Monitoring Plan. These include feathering the blades of the turbines to reduce likelihood of collision or stopping the turbines at certain times of the day or year when high mortality has been recorded. You can access hard copies of these reports at the above noted locations or download a copy of the Post-Construction Monitoring Plan here: http://prowind.ca/downloads/SBWF_REA2_2/03_I-SBWF_PostConstructionMonitoring-Birds_and_Bats_2011-10-27.pdf. High mortality of birds and bats are not expected at the South Branch Wind Farm, and a plan is in place to ensure that expectation is accurate. Sound/Infrasound A report commissioned by the Ontario Ministry of the Environment in 2010 looks at literature of sound and infrasound from wind turbines. Below is an excerpt from the Executive Summary of the report titled "Low Frequency Noise and Infrasound Associated with Wind				

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			Turbine Generator Systems: A literature review". This report can be downloaded here: http://www.ene.gov.on.ca/stdprodconsume/groups/lr/@ene/@resources/documents/resource/stdprod_092086.pdf "Modern wind turbines produce broadband noise. In relation to human perception of the sound, the dominant frequency range is not in the low frequency or infrasonic ranges. Nonetheless, in the low frequency range, it should be expected that low frequency sound due to aerodynamic sources will routinely be an audible component of the acoustic impact. In instances where audible acoustic tones are present, these tones are typically in the low frequency range. In the infrasonic range, at frequencies less than about 20 Hz, there is strong evidence that the sound pressure levels produced by modern upwind turbines will be well below the average threshold of human hearing at the setback distances typical in Ontario. Although some authors have concerns, most literature dealing with the subject indicates that infrasonic noise below the threshold of hearing will have no effect on health. As such, infrasound from wind turbines is not normally expected to be heard by humans or pose an issue for human health." Ontario's noise regulations call for a maximum 40 dB at the outside of the house at a second story level under foreseeable worst-case scenario. This number is based on the World Health Organizations' Night Noise Guidelines for Europe. This guideline document can be downloaded here: http://www.euro.who.int/__data/assets/pdf_file/0017/43316/E92845.pdf. Within the introduction of the report it is stated: "Considering the scientific evidence on the thresholds of night noise exposure … 40 dB should be the target of the night noise guideline (NNG) to protect the public, including the most vulnerable groups such as children, the chronically ill and the elderly" The project is conservatively designed to meet provincial regulations. You also had the following questions: - What percentage of people have ill health effects and how do you plan to react to that number?				
			There are no studies available that look at the percentage of people who claim ill health effects from wind turbines. The statistic that is available is the number of people that are annoyed and that seems to be about 10%. This corresponds to a general annoyance level in the wider population of about 8-10% of people who are annoyed by any external sound that exists in the environment, be it traffic, planes, etc. - Tell me how you feel about the fact that my family could become a statistic for ill side effects. According to all available research, there is no reason to believe you or your family will become ill from the wind farm. According to our mapping, your home is more than 1.5 km from the nearest turbine, which is well above the minimum required setback of 550 m. This Provincial regulation is a conservative setback distance and based on all available global information for sufficient setback distances. If you or your family do have complaints about the wind farm during construction or operation please do contact us through the website or toll-free telephone number we will have available to you for documenting complaints. I hope this information is helpful in addressing your concerns. If you'd like additional information on any topic, please don't hesitate to contact us. Thanks very much, The Prowind Team				

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Leslie Disheau	email		Hello Ms. Disheau, Thank you for attending our previous open houses for the South Branch Wind Farm. At the meeting in December you requested some additional information on ice throw and blade throw. Ice Throw In response to some concerns by both the municipalities and comments like your own, we commissioned an ice throw report from a specialized consultant, Zephyr North. Their analysis used several conservative assumptions along with the wind and weather conditions in this area and came up with a statement of risk for ice throw at the South Branch Wind Farm. The report included an analysis of the risk to Byker Rd. To account for future upgrades and increased future traffic flow, the risk included the assumption that 100 cars a day traveled down this road. If ice is thrown from a blade while the turbine is spinning, "…the annual likelihood of an ice-vehicle impact is 0.0013, i.e., one impact every 785 years." As discussed at the previous meeting, it is preferable and good practice for safety and to prevent machine damage to shut the turbine down if ice is detected. When the turbine is stationary, " …the annual likelihood of vehicle impact … reduces to 0.0010, or one impact every 985 years." As you can see, the risk from ice throw is very low even when traffic conditions are assumed to be higher than the current volume. I have attached the full report for your review. Blade Throw Blade throw is a very rare occurrence, but has happened at other wind farms in the past. I do want to stress that it is very rare considering the number of turbines in the world. A literature review titled "Recommendations for Risk Assessments of Ice Throw and Blade Failure in Ontario" was prepared by Garrard Hassan and can be downloaded here: http://www.canwea.ca/images/uploads/File/GH-RiskAssessment-38079or01a(1).pdf. It states that the maximum distance a full blade can be thrown is 150 m from the tower and the maximum distance that a piece of the blade can be thrown is 500 m from the tower, which is less than the minimum setback in Ontario between a turbine and non-participating residence.				South Branch Wind Farm Ice Throw Report 2012 01 23. pdf
			Floodplain You also asked how we attained permission to build turbines in a floodplain. We have had extensive consultation with South Nation Conservation regarding the floodplain. It was verified that turbines are not allowed to be placed within the floodplain, but roads and cables are allowed, with the proper permitting. We must ensure we do not change the grade of the surface so as to not impact drainage patterns of the land. I hope this information is helpful in addressing your concerns. If you'd like additional information on any topic, please don't hesitate to contact us. Thanks very much, The Prowind Team				

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Ricky Lee	email	Feb 14,2012	Dear Mr. Lee, Thank you for attending the Open Houses for the South Branch Wind Farm. At the meeting in December, you completed a survey requesting additional information regarding emergency preparedness and fire prevention. As part of the approvals process for the South Branch Wind Farm, we will be required to create an emergency response and communication plan closer to the construction date. Some procedures will be finalized in collaboration with the turbine manufacturer, the local emergency services, and the turbine construction, operation, and decommissioning team. A sample Emergency Preparedness and Fire Prevention template as adapted by General Electric to each specific wind farm is included as an appendix to the Design and Operations report for reference. This template gives the general idea of what will be prepared once a turbine model is selected and negotiations with local services have been completed. Local emergency services will not be responsible for emergencies within the turbines itself. The trained Operations and Maintenance staff will be solely responsible for turbine emergencies. Local emergency services may be responsible for ensuring fires do not spread to areas outside the turbine and/or taking over a designated point on the ground. Thank you again for your comments. I hope that this message has answered your questions. Should you have any further questions or comments, please don't hesitate to contact us. Sincerely, The Prowind Team				
Marlene Lewis	email	Feb 14, 2012	Dear Ms Lewis, Thank you for attending the Open Houses for the South Branch Wind Farm. I understand that you have had the chance to ask many of these questions in person. I hope the included information below is also helpful. Please don't hesitate to contact us if you have any further questions. At the meeting in December, you completed a survey requesting additional information, and attached a number of questions. I have included these questions and our answers below: 1. "Do you still own the rights to the project or have you sold to another company to install?" Prowind is currently the owner of the South Branch Wind Farm. 2. "Who pays the amount of taxes on the wind turbines - is it based on market value or how is it assessed. Is it based on the real value of the installation?" In Ontario, wind turbines have an assessed value of $40,000 per megawatt plus the equivalent of an acre of industrial zoned land per turbine. Property tax is based on this assessed value. Prowind will be paying the property tax due on the wind farm. 3. "Why is the turbines spread out? It their a second phaze." The turbine locations were determined based on the following factors: * location of interested landowners * location of sensitive features (eg: floodplain, forests, streams) * location of nearby residences * wind resource There is no second phase planned for this project. 4. "Do you change the land ownership to commercial property or does the landowner change the zonning." The Green Energy Act eliminated the need for the zoning changes for renewable energy projects. No zoning change is required.				Health effects and wind turbines 2011 09 14.pdf. Chatham Kent Property Value Study 2010.pdf, South Branch Wind Farm Ice Throw Report 2012 01 23.pdf

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			5. "Debris, eg ice throw how far can it fly if not turned off immediciately?" In response to some concerns by both the municipalities and the public, we commissioned an ice throw report from a specialized consultant, Zephyr North. Their analysis used several conservative assumptions along with the wind and weather conditions in this area and came up with a statement of risk from ice throw at the South Branch Wind Farm. The report included an analysis of the risk to Byker Rd. To account for future upgrades and increased future traffic flow, the risk included the assumption that 100 cars a day travelled down this road. If the turbine is spinning and ice is thrown from a blade, "…the annual likelihood of an ice-vehicle impact is 0.0013, i.e., one impact every 785 years." As discussed at the previous meeting, it is good practice, for safety and to prevent machine damage, to shut the turbine down if ice is detected. When the turbine is stationary, " …the annual likelihood of vehicle impact … reduces to 0.0010, or one impact every 985 years." As you can see, the risk from ice throw is very low even when traffic conditions are assumed to be higher than the current volume. I have attached the full report for your review. 6. "Why is there no local planning for wind turbines even the number of turbines by the local public. We cannot seem to change anything once it is implemented. I have expressed concern about placement in the Brinston, Dixon area as it affectes a number of homes. Many of the European county's are using a larger set back from the homes, why are not incorperating this in your plans. Most would like to see 2 k or 1.5 K away from buildings. Should not the set bac k be based on the size of wind turbine." Consultation with the public, and response by the developer, is a mandatory part of developing a wind farm and a priority for Prowind. More than the required two public meetings have been held for the South Branch Wind Farm. Concerns about legislation needs to be addressed to the Ministry of the Environment, as Prowind is not able to change legislation. The minimum setback set out by the Ministry of the Environment is 550 m. However, the actual setback can be greater depending on the results of noise modeling. In this way, the setback depends on the size of the wind turbine, as larger turbines produce more noise. Prowind has performed noise modeling to ensure that the wind farm meets the Ministry of the Environment noise guidelines. If you have concerns about these guidelines, you should contact the Ministry of the Environment directly, as Prowind has no ability to change legislation. 7. "How far does the flicker reach?" The distance at which shadow flicker is visible depends on the size of turbine and the size of blade. Once the turbine covers less than 20% of the visible sun, shadow flicker is not easily noticeable. For a turbine with a 100 m rotor diameter - the largest proposed at South Branch - shadow flicker is not noticeable when you are over 2 km from the turbines. Shadow flicker is not produced everywhere within 2 km of each turbine. The locations affected by shadow flicker are determined by the passage of the sun. Fortunately, the location of the sun relative to the turbines is a well understood geometric problem. Shadow flicker modeling has been undertaken to determine the areas in which shadow flicker will be experienced. In this area, based on the historical sunshine data, no more than 20 hours of shadow flicker should be experienced at any household in the local area, usually only a few minutes a day. This is primarily during the early and late sunshine hours of the day, when the sun is lowest on the horizon. 8. "Even though you express it will not affect the property vales it has been proven that homes closes to the turbines are slow to sell and usually sold at a reduced rate. Sometimes the turbines company's has purchased the homes with a clause that the purchaser can not complain. No recourse. "What about compensation for the houses nearest to the wind turbines. Most of us are near retirement and plan to sell property for a retirement income. How do you plan to help us. It has been proven that homes closest to the turbines are reduced do to people not wanting to purchase home close to the turbines." There have been recent numerous studies conducted in the vicinity of constructed wind farms that indicate no distinct trend linking proximity to wind farms to property value loss. I have attached a recent report on this topic. This 2010 report from Chatham-Kent, Ontario that concludes:				

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			"No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis. Furthermore, this study did not find any consistent evidence from the analyzed data that such a negative correlation exists in the municipality of Chatham-Kent. During the course of gathering data, there were no unusual quantities of rural residential properties listed for sale in the study area. Four unrelated data processes were used in studying the property sales information for Chatham-Kent. The only consistency was that each evaluation methodology found that it was highly unlikely that any type of a causal relationship exists between wind farms and the market values of rural residential real estate." There is also another study that is even more recent, 2011, but was conducted in Illinois, USA. This study is titled "The Effect of Wind Farms on Residential Property Values in Lee County, Illinois" by J. Carter. Similar concerns about property devaluation arose in that area and this study was conducted in response to those concerns. The abstract from this study is copied below. It can be downloaded here: http://renewableenergy.illinoisstate.edu/wind/publications/2011%20Wind%20Farms%20Effect%20on%20Property%20Values%20in%20Lee%20County.pdf "Lee County, Illinois experienced significant wind energy development over the last decade. The county is home to the first commercial wind farm constructed in Illinois, which began operation in November of 2003. Additional wind farms began operating in April of 2007 and December of 2009. Although the County has been living with wind development for several years, there is still debate about its effect on residential property values. This study utilizes a hedonic price model to assess the impacts on 1,298 real estate transactions from 1998 to 2010. The analysis indicates that residential properties located near wind turbines in Lee County have not been affected by their presence." Additionally a large study was conducted in 2009 in the United States that looked at 10 different States and 14 different Counties to identify trends in property value near wind farms. The study is "The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Site hedonic Analysis" by B. Hoen et al. It can be downloaded here http://eetd.lbl.gov/ea/ems/reports/lbnl-2829e.pdf Below is an excerpt from the Conclusion of the Executive Summary of the above noted report:				
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			[illegible] Gilmour Road approximately 300 m. 12. "Substation - How much more noise polution will be heard from it." Transformers of the size to be installed at the South Branch Wind Farm generally emit sound levels of 70 dB or below. The relatively low sound levels in combination with their location near the ground mean that they do not tend to produce sound that is discernable at residences nearby. This transformer is considered too quiet to require modeling by the Ministry of the Environment. For reference, the Melancthon substation is many times larger, and operates at a much higher voltage and sound level than the one to be used at the South Branch Wind Farm. 13. "How large is the overhead cables running along the roadways." The grounding cable will be the same size as the existing Hydro One cable. Other cables will be either the same size as cables already running along the road or smaller. It is possible that these cables will be buried. Consultation with the municipality and Hydro One is ongoing. 14. "Would you consider dropping the turbine between Brinston and Dixon due to the number of homes located in the area. I am concerned about health effects now it has been documented that it can affect our health and property values. Please reconsider our request as I will registure a formal request." The area around the turbine between Brinston and Dixon has been studied in depth by our team and our hired consultants. The location is appropriate, and complies with all relevant legislation. Property values are discussed above. I have attached a report for your review that discusses the latest findings with respect to wind turbines and health effects. Here is a summary of this document: Health effects and wind turbines: A review of the literature A review of available scientific and popular literature was published by Ontario analysts in September 2011. In the words of the authors "The purpose of this paper is to review the peer-reviewed scientific literature, government agency reports, and the most prominent information found in the popular literature." Some of the important results and conclusions are: "To date, no peer reviewed articles demonstrate a direct causal link between people living in proximity to modern wind turbines, the noise they emit and resulting physiological health effects. If anything, reported health effects are likely attributed to a number of environmental stressors that result in an annoyed/stressed state in a segment of the population. In the popular literature, self reported health outcomes are related to distance from turbines and the claim is made that infrasound is the causative factor for the reported effects, even though sound pressure levels are not measured." "…it appears that it is the change in the environment that is associated with reported health effects and not a turbine specific variable like audible noise or infrasound." Letter to Hon. John Wilkinson from Amaranth Council Finally, you included a letter from the Amaranth Council to the Honourable John Wilkinson expressing various concerns regarding wind power. This letter covered various issues: The main concern of this letter seems to be health effects. See above for our summary of the latest peer-reviewed scientific studies of health effects due to turbines. Issue 1: The Green Energy Act: The provincial government is, indeed, the correct body to address these concerns. We are unable to effect changes to legislation. Issue 2: Transformer noise effects: As mentioned above, the transformer(s) used at the Melancthon project are significantly larger and louder than those proposed for the South Branch Wind Farm. Under current rules, the Melancthon transformer would need to be included as a noise source in the required noise modeling for approval by the MOE. The South Branch transformer is much smaller, and is thus explicitly excluded from modeling by the MOE. Issue 3: Setbacks: Again, this is an issue best addressed by the Ministry of the				

Name	Medium	Date Rec'd	Comments, Questions, Concerns	Response Date	Responder (if not contact)	Response Provided	Attachment
Marlene Lewis	email	Feb 15, 2012	The distance from the number 15turbine was 842meters . That is what you told me at the Spencerville meeting. How can this change this much? now you say we are only 700 meters at 4178 Brinston from the tower. If I am that close how close are the other six houses that are before me. Your Answers are not remaining the same. It does not give me a warm and fuzzy feeling. How can you be sure of the distance if you can change your distances by 142 meters on the same distance when you answer the same question. I still have the paper you recorded the distances on the first time. Sent from my iPad. Marlene Lewis.	Feb 16, 2012	Rochelle Rumney	Hi Ms. Lewis, Thank you for bringing this to our attention. We are preparing a specific map for you in order to clarify the setback distances. Best regards,	
Larry Terry	email	Feb 18, 2012	Juan, Thank you for your response to the open questions. Wish Cathy best wishes moving forward. On the shadow flicker topic, while I appreciate the response as local specific, and we'd agree, nether of our properties are in the immediate affected areas, this did not complete the action Cathy had agreed to, which was to provide the report. Of principal concern is the heavy traffic in and around the affected area thoroughfares. Can you please forward this on to me? Cheers! LBT	Mar 2, 2012	Juan Anderson	Hi Larry, I was able to reach Cathy and pass on your best wishes. Her impression was that she agreed to pass on shadow flicker results but not a full report per se. We do not have a stand-alone report available as shadow flicker is beyond the scope of the Renewable Energy Approval requirements. That being said, your concern about the impact of shadow flicker on the main travel routes in the area is noted. We have assembled a summary of shadow flicker information for County Rd 16 (Brinston Rd), Henderson Rd, Gilmour Rd, and County Rd 18 (both the Cook Rd and Glen Steward Rd portions): · On a section of County Rd 16 north of Brinston we expect annual shadow flicker to be under 20 hrs annually on average for any given location. · On a short section of County Rd 16 between Brinston and Dixon's Corners we expect a maximum of approximately 30 hrs annually on average for any given location. · On Henderson Rd we expect less than 20 hrs annually on average for any given location, and expect that the vast majority of the road will have less than 10 hrs annually on average for any given location. · On Gilmour Rd to the west of Brinston we expect less than 10 hrs annually on average for any given location. · On Cook Rd (County Rd 18) we expect less than 10 hrs annually on average for any given location · On Glen Steward Rd (County Rd 18) we expect less than 10 hrs annually on average at any given location. In presenting the above information we would also like to highlight that the proposed wind turbines will be among many sources of shadows cast on local roads. Shadows cast by trees, buildings, and hydro poles etc are current sources of flicker for moving vehicles and are a common element of the driving experience. Best regards, Juan	
Marlene Lewis	email	Feb 24, 2012	Hi. Rochelle, When will I receive the information, and add to it how far is the empty land directly on the west side of the road from the # 15 turbine. (My property). Thanks Marlene	Mar 12, 2012	Rochelle Rumney	Hello Ms. Lewis, In response to your inquiries, we have drafted the attached map showing the approximate setbacks to each of your requested residences/properties. Please inform us if the desired locations are not covered to your satisfaction. Take care, Rochelle Rumney	South Branch Wind Farm_Setbacks to Lewis Properties 201203 10.pdf

May 2011

Community Update

About Us

We develop and operate power plants driven by renewable sources. Headquartered in Kemptville, Ontario, we have over 10 years experience. Wind energy is our focus, and we plan to develop and operate wind farms across Canada.

Our unique relationships with farming communities and land owners are what drive our success. Prowind's founder, Johannes Busmann, has a family agricultural farm with wind turbines in his backyard. His enthusiasm for renewable energy and his knowledge of the farming community are the foundation for our community approach to building wind farms. Everyone benefits from our wind projects. We believe that together, wind farms and agriculture make a good partnership.

South Branch Wind Farm

We have been working in your community for the past four years to develop what is now the South Branch Wind Farm – an amalgamation of three smaller projects. Once constructed, the 30 megawatt (MW) facility will be able to produce enough renewable electricity to power approximately 7,500 homes per year.

Wind Turbines on Farmland

Air blowing down from wind turbines could help crops, concludes preliminary findings of a recent study funded by the United States Department of Energy. A months-long program, conducted by a researcher from the U.S. Department of Energy and a co-researcher from the University of Colorado, studied how wind turbines on farmlands interact with surrounding crops. The researchers found that increased air flow from wind turbines helps to even out the temperature of corn and soybean crops. The increased circulation enables them to fend off fungal infestations and improve their ability to grow.

For more details visit: http://www.ameslab.gov/news/news-releases/wind-turbines

South Branch Wind Farm Development Update

We have been completing field work and gathering information for our submission for a Renewable Energy Approval (REA) permit. Ontario's REA process sets the requirements to get approval to build a renewable energy project. We have been conducting environmental, archaeological, cultural and other studies to assess the potential impact of the project. Once complete, we will post the results of our research publicly for sixty days to allow the community to comment. At the end of the 60-day period, we will host a final open house to answer your questions about the project. We will address your comments and submit a final REA application to the Ministry of Environment in the fall 2011.

We measured wind speeds for three months using Light Detection and Ranging (LIDAR) technology (measuring wind speeds at very high heights by bouncing light pulses off of dust particles in the air). We are pleased to report the results confirm our prior estimates of wind speed at higher heights.

LIDAR technology

Project Timeline

Spring 2011 — Finalize field work for REA permit

June 2011 — Post research results for public review and comment

Fall 2011 — Host final open house

Fall 2011 — Submit final REA to Ministry of Environment

Spring 2012 — Receive REA permit and begin construction

Fall 2012 — Install turbines

Spring 2013 — Commission wind farm

Turbine Specifications

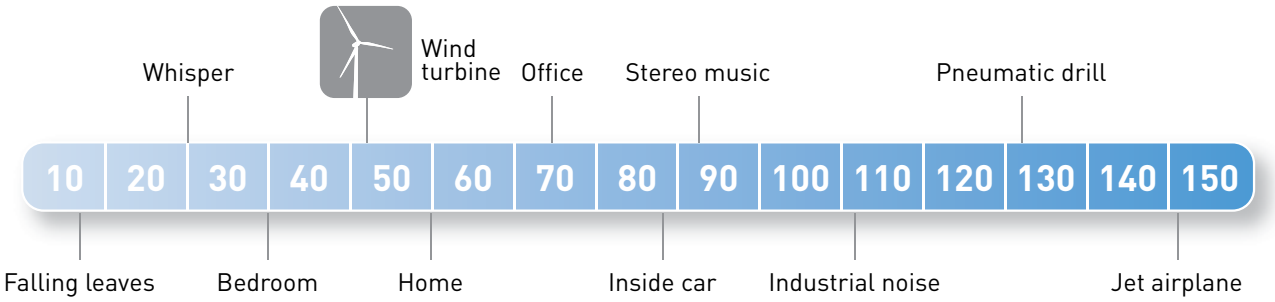
We are completing environmental studies to determine the appropriate size of turbine for this project. The table below presents the maximum possible dimensions. Once we choose a turbine, we will be able to establish the total needed for the 30MW project.

Make and model	To be determined
Maximum rated output	2.0 to 3.0 MW per turbine
Tower and blade height	≤ 191.5 m
Rotor diameter	≤ 103 m
Blade sweep area	≤ 8,332 m^2
Range of rotational speeds	5-14 RPM
Approximate foundation diameter	18 m
Maximum quantity required for South Branch project	15

Wind Facts

Sound from wind turbines

Today's wind turbines are quiet enough to hold a conversation at the base. As with any machine, wind turbines do emit a sound that compares to the sound level within your home. Developers must adhere to strict guidelines for turbine locations when designing wind farms based on the expected sound level at nearby homes; sound must not exceed 40 decibels at neighbouring properties. This regulation is in place to ensure the sound from wind turbines has little impact on residential households.



Data courtesy of the American Wind Energy Association

Communities

We are proud to be a part of the communities of Brinston and Dixons Corners, Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, the Township of Edwardsburg/Cardinal, United Counties of Leeds and Grenville.

We believe in open communication

If you have any questions or comments about the South Branch Wind Farm, please contact:

Cathy Weston
cweston@prowind.ca
613.894.4656

Rochelle Rumney
rrumney@prowind.ca
905.745.4719

Visit www.prowind.ca for information on the South Branch Wind Farm or other Prowind projects.

Prowind CANADA

Response to “South Branch Draft REA, July 29 2011”

Prepared September 28, 2011

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Foreword

This document is a response to the "South Branch Wind Farm Draft REA, July 29, 2011".

Every reasonable attempt has been made to ensure accuracy in the comments made, and to provide the best resources and references to support the comments.

No financial compensation has been offered or received to conduct the analysis of the Renewable Energy Application (REA).

Bruce Albers
406 Pitt Road
Spencerville, ON.
K0E 1X0

Project Description Report

Section 15(1) of Ontario Regulation 359/09 states the following;

> **15.** (1) A person who proposes to engage in a renewable energy project shall distribute,
>
> (a) notice of the proposal to engage in the project; and
>
> (b) notices of the location and time of at least two public meetings to be held for the purpose of conducting consultations in respect of the project. O. Reg. 359/09, s. 15 (1).

(6) A notice mentioned in clause (1) (a) or (b) shall be distributed in accordance with the following rules:

> 1. The notice must be published on at least two separate days in a newspaper with general circulation in each local municipality in which the project location is situated.

The South Branch Wind Farm Draft REA indicates that the project location will physically impact lands within two separate municipalities, the Township of South Dundas and the Township of Edwardsburgh/ Cardinal.[1]

The required notice has appeared in only one newspaper, the Morrisburg Leader. This newspaper describes itself as serving South Dundas.[2]

Surveying the nearest convenience stores to the project location in Edwardsburgh/Cardinal reveals that the Morrisburg Leader is not among the supplied newspapers.

1. 730 Truck Stop (approx. 12km from site)
    i. Prescott Journal
    ii. Ottawa Sun
2. Drummond's Gas (approx. 12km from site)
    i. Brockville Recorder and Times
    ii. Kemptville advance
    iii. Prescott Journal
    iv. Ottawa Sun
3. The Village Pantry (approx. 12 km from site)
    i. Ottawa Citizen
    ii. National Post
    iii. Ottawa Sun
    iv. Brockville Recorder and Times
    v. Kemptville advance
    vi. Prescott Journal

Prowind Canada has failed to publish a notice mentioned in clause 15(1)(a) or (b) in a newspaper with general circulation in the Township of Edwardsburgh/Cardinal.

[1] South Branch Wind Farm Project Description Report Version 3.0, p.21
[2] http://morrisburgleader.ca/about/

Public Consultation

2.1 – Section 16(1)

Section 16(1) of Ontario Regulation 359/09 states the following;

16. (1) A person who proposes to engage in a renewable energy project shall hold at least two public meetings, each on a separate day, in accordance with this section,

(a) in each local municipality in which the project location is situated; and

(b) if the project location is in unorganized territory,

(i) within 25 kilometres of the project location, or

(ii) in the local municipality that is closest to the project location, if there is no appropriate place to hold a public meeting in the area described in subclause (i). O. Reg. 359/09, s. 16 (1)

The South Branch Wind Farm Draft REA indicates that the project location will physically impact lands within two separate municipalities, the Township of South Dundas and the Township of Edwardsburgh/ Cardinal.[3]

Edwardsburgh/Cardinal is not an "Unorganized Territory".[4]

Prowind Canada has held no public consultation meetings in the Township of Edwardsburgh/Cardinal, and has therefore failed to meet the standard as set out in section 16(1).

2.2 – Open Houses

Typical open houses have included biased, inaccurate, and misleading information. This information has come in the form of blurry/difficult to read maps, doctored photographs, posters, and employees/agents providing opinion rather than fact.

A balanced, informed and public dialog between all residents and the proponent (as oppose to private conversations) is the approach rural communities are accustomed to when dealing with important issues affecting the community.

2.3 – Dissemination of Draft REA Documents

Many rural residents do not have access to the internet nor have the knowledge to make use of it. As a result, residents may only view these documents at municipal offices, as such, these documents may not leave the municipal office. It is an unreasonable expectation for residents to read and provide meaningful comments on over 800 pages of documentation.

[3] South Branch Wind Farm Project Description Report Version 3.0, p.21
[4] Municipal Act 2001, S.O. 2001, c25, 1(1)

Project Description Report

Project Application

States that Prowind Inc. (Prowind) is based in Kemptville Ontario. This statement is inconsistent with other documents comprising the REA that state Prowind is located in Hamilton, Ontario.[5]

Turbines

A specific make, model and nameplate have not yet been established. The lack of specifications precludes residents from providing specific comments on such matters as ice throw.

The proponent has specified a maximum height (tower + blade) of 199m, or 652 feet. If this size turbine is to be used, it will be of the largest size in Ontario. This is markedly higher than Environment Canada considers as an upper guideline.[6] Even at that height, the Ministry of Natural Resources' Wind Atlas classifies the area as 'Marginal' to 'Acceptable'.

Bird Species

States that the mortality rate for birds is approximately two birds per turbine. As reference, the proponent provides "Bird Observations at the Pickering Wind Turbine", a document from 2003.[7]

The proponent has chosen to reference an outdated, irrelevant report to downplay avian mortality rates. There are other industrial wind turbine facilities in operation that keep annual statistics that could have been referenced such as Wolfe Island.

Sound

States that the Province of Ontario has strict regulations pertaining to wind turbine sound experienced at homes, schools, hospitals, etc. In actuality the province has no approved methodology to determine compliance with noise levels identified in the Guideline(s)\Certificates of Approval Air.[8]

Pre-Construction Avian Surveys AND Risk Assessment

Project Scope

States that the project will consist of a maximum of 15 turbines. This is inconsistent with other documentation that states the project will consist of up to 14 turbines.

[5] http://www.prowind.ca/?page=contact
[6] Brinston and South Branch Wind Farms: Pre-construction Avian Summary DRAFT Report, Appendix A
[7] James, Ross D. 2003. Bird Observations at the Pickering Wind Turbine. Ontario Birds 21, 2:84-97
[8] Email from Gary Tomlinson (Senior Environmental Officer) to Jane Glassco, June 12, 2009

Spring Migration Survey

Makes reference to "a skilled bird observer" but does not qualify the observer's credentials.

Spring Migration

States that no other Committee on the Status of Endangered Wildlife in Canada (COSEWIC) species were detected during the surveys or on any other occasion field staff were in the project area. However, the following species were reported in the bird survey but were not listed as being part of the COSEWIC database:

- 8 Great Blue Heron (special concern)
- 19 Horned Lark (Endangered)
- 19 Barn Swallow (Threatened)
- 14 Vesper Sparrow (Endangered)
- 3 Eastern Meadowlark (Threatened)

Post-Construction Environmental Effects Monitoring Plan: Birds And Bats

Carcass Searching Protocol

States that carcass searching will occur at 10 of the maximum 14 turbines. The project is located in two main areas, a western area and an eastern area[9]. The western area is to have four turbines, while the eastern area is to have ten. The closest turbines (#04 & #09) between the two areas are approximately 6.5 km in distance. Due to this distance, the carcass searching protocol should consider the project as two separate projects and search all turbines in both areas, as indicated by item 3 below.

MNR's Bats and Bat Habitats: Guidelines For Wind Power Projects.

- Minimum Requirements for Post-construction Monitoring Effort and Timing
    1. Post-construction monitoring (including mortality surveys, carcass removal and searcher efficiency trials) during the core season when bats are active (i.e. May 1 – Sept. 30) for the first 3 years (for each phase) of wind turbine operation.
    2. Bat mortality surveys should be conducted at least every 3 days at each monitored turbine.
    3. Bat mortality surveys should occur at all turbines at wind power projects ≤ 10 turbines. For wind power projects of >10 turbines, a sub-sample of turbines should be selected to cover representative areas throughout the project area.
    4. Should significant mortality be observed, and operational mitigation implemented, postconstruction monitoring should continue for an additional 3 years from the implementation of operational mitigation, to evaluate the effectiveness of the mitigation. Post-construction monitoring should begin upon the commencement of operation of the wind power.

[9] South Branch Wind Farm Project Description Report Version 3.0, p.03

Design and Operations Report

Specifications

A specific make, model and nameplate have not yet been established. The lack of specifications precludes residents from providing specific comments on such matters as ice throw.

Significant Natural Heritage Features

States "Risks associated with the operation of the wind farm are exclusive to the potential mortality of birds and bats from rotating turbine blades".

This statement is false, as it does not account for the potential of ice throw and ice shedding.

Ice Accumulation

Ice shedding is not sufficiently addressed in this section, and ice throw is not addressed at all. As demonstrated at the Chatham-Kent ERT, both ice shedding and ice throw present serious risk. In the case of ice throw the risk is particularly serious as it could affect surrounding properties, structures, roadways and citizens.

The statement that ice build-up will be detected in several ways, one of which is through vibration sensors, may or may not be accurate. Depending on the make and model the proponent chooses this may not be possible. As has been admitted by GE that their vibration detector technology may not shut down their turbine.[10]

Noise Complaint Monitoring

This section lacks specific action to resolve noise issues. Once a complaint has been logged by the proponent, there is no indication as to when the complaint will be actioned let alone resolved. Furthermore, the section appears to exclude the complainant from the process beyond making the original complaint.

There are several references to "consultation with MOE", however how is the MOE to make an appropriate determination of ACTUAL sound contamination when they lack the equipment and methodology to determine compliance or non-compliance?

A fifth contingency should be added to the available solutions, that of shutting the offending turbine(s) off.

Radio Communication, Radar, and Seisom-Acoustic Complaints Monitoring

This section lacks specific action to resolving noise issues. Once a complaint has been logged by the proponent, there is no indication as to when the complaint will be actioned let alone resolved. Furthermore, the section appears to exclude the complainant from the process beyond making the original complaint.

[10] GE Energy: Ice Shedding And Ice Throw – Risk And Mitigation, 2006

Shadow Flicker

Shadow flicker occurs when the sun travels behind a turbine, and casts a shadow upon the landscape. As the blades of the turbine rotate, an effect called 'shadow flicker' occurs.

Shadow flicker may cause annoyance and/or stress.[11] As well, it presents a small risk of inducing photosensitive epilepsy seizures[12]. Proper planing/siting of turbines can reduce the occurrence of shadow flicker.

A shadow flicker analysis has not been released as part of the REA, nor has any mention of shadow flicker and its affects on the residents of the community been made by the proponent.

Noise Assessment Report

Project Details

Indicates 15 turbines. This is inconsistent with other documents comprising the REA.

Step-Up Transformer

As stated in the report: "A step-up transformer with an approximate capacity of 35 MVA will be included with this project. Voltage levels will be 27.6 kV on the low side, and 44.0 kV on the high side. Since this transformer is rated below 55 kV, it will not be included in the analysis."

There is no basis for excluding the transformer on the basis of voltage in the MOE Noise Guidelines for Wind Farms (October 2008). That document identifies:

6.2.4 Transformer Substation
The acoustic emissions of each transformer unit must be specified by the manufacturer and conform to the standard ANSI/IEEE C57.12.90, Reference [7]. In cases where the specific information is not available in the early stages of planning the proposed Wind Farm, as described in the introduction to Section 6, proponents must submit a maximum rated value of the transformer acoustic emissions. The requirements do not apply to the small transformer units attached to each wind turbine. These small transformers are insignificant noise sources and, therefore, their contributions do not require assessment. The acoustic emissions data must be used in the noise impact assessment at each receptor.

6.2.5 Noise Sources and Locations
All wind turbine units and Transformer Substations must be assigned a unique source identification and must be listed along with their Universal Transverse Mercator (UTM) coordinates in a table in the report. The table should be provided in electronic form along with the report.

Generic Wind Turbine

No statement regarding tonality has been provided, thus the public does not have the opportunity to comment on the subject.

[11] Society For Wind Vigilance: Visual Health Effects And Wind Turbines
[12] Society For Wind Vigilance: Visual Health Effects And Wind Turbines

Noise Level Summary Tables

The usage of UTM coordinates to reference non-participant receptors may be useful for professionals however; it makes it difficult for a typical resident to understand the impact on their home.

Construction Plan Report

Construction And Installation Activities

States that during peak times, construction can occur up to 7 days per week between the hours of 07:00 – 22:00.

The assumption by the proponent that construction lasting 15 hours a day, 7 days a week will somehow be acceptable to the residents is misguided. Though currently there is no noise by-law as the proponent has indicated, residents have a mutual respect for their neighbours and the peace and tranquility of the rural area. Conducting construction activities for the duration specified by the proponent demonstrates an absolute lack of understanding for the area as well as respect for the community.

Transport of Turbine Components

The transportation of turbine components requires special vehicles as well as a host of ancillary vehicles. The route that the turbine components as well as other necessary construction equipment including 72 – 102[13] cement trucks (per turbine) has not be disclosed.

The transportation of such equipment to and from project sites is substantial, and the lack of disclosure on what routes will be used precludes the public from making meaningful comments on the potential disruptions.

Operations And Maintenance Building Construction

States that renovation activities would occur between 08:00 – 22:00, and would be performed concurrent with other wind farm construction activities.

The assumption by the proponent that construction lasting 14 hours a day, potentially on weekends will somehow be acceptable to the residents is misguided. Residents have a mutual respect for their neighbours and the peace and tranquility of the rural area. Conducting construction activities for the duration specified including weekends by the proponent demonstrates an absolute lack of understanding for the area as well as respect for the community.

Schedule

States that construction activity is proposed to occur up to 7 days per week between the hours of 07:00 – 22:00.

The assumption by the proponent that construction lasting 15 hours a day, 7 days a week will somehow be acceptable to the residents is misguided. Residents have a mutual respect for their neighbours and the peace and tranquility of the rural area. Conducting construction activities for

[13] South Branch Wind Farm Construction Plan Report, p.13

the duration specified by the proponent demonstrates an absolute lack of understanding for the area as well as respect for the community.

Mitigation (construction noise)

States that construction activity will occur between the hours of 07:00 – 22:00.

The assumption by the proponent that construction lasting 15 hours a day, will somehow be acceptable to the residents is misguided. Though currently there is no noise by-law as the proponent has indicated, residents have a mutual respect for their neighbours and the peace and tranquility of the rural area. Conducting construction activities for the duration specified by the proponent demonstrates an absolute lack of understanding for the area as well as respect for the community.

The proponent indicates two methods to make available to the public should they feel the need to file a complaint (via email and/or phone). The proponent fails to provide details on how such a complaint will be handled, or when a mutually satisfactory resolution to the issue can be expected.

Decommissioning Plan Report

Purpose

States that the plan may be amended from time to time. There is no indication as to why such changes would be necessary, nor what protocols are to be provided so the community may have a voice in these changes.

Financial Assurance of Decommissioning Costs

The proponent states that they will provide (minimum) $1, 000.00 per MW, per year for a total of 20 years to be held in escrow for the purposes of decommissioning. As the project is to total 30 MW, the sum in the escrow account will be no less than $600, 000.00 ($1, 000.00 * 30 MW * 20 years).

The proponent has failed to provide the most basic figures to substantiate that $600, 000.00 will be sufficient to execute their proposed decommissioning plan. There is no mention of costs associated with upgrading of access roads, heavy equipment rental, man-power, transportation, scrap costs, etc… Without providing these figures to the public, meaningful comments to the proponents financial assurance plan cannot be made.

The proponent has proposed a maximum of 14 turbines for the project $600, 000.00/14 turbines = $42,857.14 per turbine. This figure seems grossly underestimated.

Abutting Property Impact Assessment Report

Relevant Properties

Four turbines have been expressly mentioned as infringing (less than 140 m) on property lines of non-participants. The proponent has provided "Potential Impact" assessments for each case.

In all cases, the proponent has failed to recognize the potential hazards of ice throw. Using the proponent's generic turbine figures of 140m hub height and 118m rotor diameter, and applying GE's Ice Shedding and Ice Throw – Risk and Mitigation formula for calculating safe setback, the resulting safe setback is 387m (1.5 * 140m + 118m) or 1270 feet. Due to the proximity of the infringed properties, ice throw presents a significant hazard.

226 ½ James St. N., Unit A
Hamilton, ON L8R 2L3
Phone: 905.258.1747
Fax: 866.203.6516
Email: info@prowind.ca
Web: www.prowind.ca

Bruce Albers
406 Pitt Road
Spencerville, ON.
K0E 1X0

November 18, 2011

Dear Mr. Albers,

Thank you for your thorough review and comments on the July 29, 2011 South Branch Wind Farm Draft Renewable Energy Approval. These comments were received at our office on September 28, 2011.

We have taken your comments and incorporated elements of your feedback and suggestions for improvement into the latest version of the report titled South Branch Wind Farm Draft Renewable Energy Approval V2.2, November 4, 2011.

We have also summarized our responses to your comments below. The responses are structured according to the headings in your document titled “Response to „South Branch Draft REA, July 29 2011‟”.

Project Description Report

Thank you for your comments on this report. It was announced at the September 28th Open House that additional meetings would be held within both municipalities.

These upcoming meetings have been advertised in the Prescott Journal, the Kemptville Advance and the Morrisburg Leader. We hope that the postings in these publications are to your satisfaction. We welcome any further feedback on this matter.

PUBLIC CONSULTATION

Section 16 (1)

We have recently published the dates of two upcoming open houses in the Township of Edwardsburgh/Cardinal.

Open Houses

Open houses are one of the common methods used to present information to the public for development projects from both public and private entities. Prowind believes the format of the

open houses provides best access to Prowind staff and project information. This allows one on one discussions and direct and personalized answers to any individual concerns and questions. The information posters present all the project information in writing for those attendees without specific questions. Further this format allows local residents to attend the meeting at any time during the open house hours, to accommodate individual schedules as best as possible.

The availability of Prowind staff at our September meeting was adequate to address all open house attendees. Prowind staff recall your attendance at the open house, but upon several inquiries, you did not wish to engage Prowind staff with questions or concerns about the project.

The information provided on the posters, as well as by Prowind staff, was accurate to the best of our knowledge.

With respect to your comment regarding „doctored photographs" we have made an assumption that this refers to the photographs of the local area with simulated turbines added into them. We would like to address any potential inference that these images are intentionally inaccurate or misleading. These images are provided at the open houses in order to give the public accurate visual representations of the proposed turbine dimensions and locations. This element of open houses is frequently requested, and once turbine coordinates are known it is standard practice at Prowind to produce such images. They are created with sophisticated software that uses inputs of geographical turbine and photo coordinates, photo focal length, photo date, photo time, site elevation data, height of camera above ground, direction of photo, vertical tilt angle of photo, horizontal tilt angle of photo, and geo-referenced control points to ensure that turbines appear to proper scale and in proper locations. We note that at the open house held on Sept 29th, 2011 you made a positive comment to Prowind staff about a photo taken from the intersection of Henderson Rd and Coons Rd. If you have any further questions or comments on these images, we would be happy to discuss further.

Dissemination of Draft REA Documents

Draft REA documents that are available in hard copy at the municipal offices can be copied if desired. Additionally, if an additional individual copy of the report is required, Prowind is happy to provide one upon request.

PROJECT DESCRIPTION REPORT

Project Application

This has been updated in the revised report. The developer is based in Hamilton, Ontario. The headquarters recently relocated from Kemptville to Hamilton and this change has now been updated in all of our reports.

Turbines

The adoption of maximum dimensions for the purpose of the REA and public comments allows the reviewers to consider the impacts of turbines at this maximum dimension. A reduction in dimensions (either blades, tower height or both) would reduce the impacts to surrounding features.

Bird Species

This report is still relevant as the statistics have not changed in any meaningful way. A recent report was released in December 2010 entitled "What birders think of wind energy" (http://naturecanada.ca/pdf/Ontario%20Birds_birders_on_wind_energy.pdf). Within this report are

results of bird mortality rates from wind farms across Canada and the United States. Within Canada results are presented from over a dozen wind farms. The average of these results is a mortality rating of 1.5 birds/turbine/year, which is lower than the original report referenced in the REA.

Wolfe Island, although geographically the closest wind farm to the proposed South Branch Wind Farm, is not an appropriate comparison. The Wolfe Island Wind Farm is located along a shoreline, within an Important Bird Area and a known bird migration corridor. Field studies at the South Branch Wind Farm and a general understanding of bird movements have demonstrated that this site is not in close proximity to any bird or bat migration corridors and will therefore have a much lower impact on bird populations than that at Wolfe Island.

PRE-CONSTRUCTION AVIAN SURVEYS AND RISK ASSESSMENT

Project Scope

This has been updated in the revised version. There may be references within reports prepared by third-party consultants that reference a 15-turbine layout. These reports were prepared before the removal of Turbine #14 from the project scope. The identifier and position of the remaining 14 turbines has not changed and so these reports are considered valid.

Spring Migration Survey

This has been updated in the revised version of the Natural Heritage Assessment Report. Tables 4, 5, 11, and 13 provide the name of investigators who have completed each element of the field work. Appendix H of the Natural Heritage Assessment Report now provides credentials for each of the field staff engaged in this project.

Spring Migration

The Barn Swallow and Eastern Meadowlark have only recently been listed with COSEWIC, after this report was written. They have been addressed with the MNR in a confidential report that must remain as such for sensitivity reasons. Species at Risk are not within the scope of the REA.

The Great Blue Heron, Horned Lark and Vesper Sparrow are listed with COSEWIC in the province of British Columbia only. All three are subspecies that are only found in the BC region and are not listed with COSSARO and are not a concern at the South Branch Wind Farm.

POST-CONSTRUCTION ENVIRONMENTAL EFFECTS MONITORING PLAN: BIRDS AND BATS

Carcass Searching Protocol

The Ministry of Natural Resources (MNR) has provided guidelines for bird and bat post-construction monitoring that was published after a thorough stakeholder review process, including public review. These MNR guidelines were used to construct the above noted document for the South Branch Wind Farm. MNR has reviewed the plan proposed for the South Branch Wind Farm and has provided comments which have been incorporated into the revised version of the report. It is the opinion of the MNR that this project can be considered one project area and follow the guideline recommendations to survey a subsample of the 14 turbines.

If you have comments on the Ministry of Natural Resources post-construction monitoring protocol, please direct your comments to:

Josh Annett, Program Officer
Ministry of Natural Resources - Policy Division, Renewable Energy Program
300 Water Street, Floor 5, Robinson Place South Tower
Peterborough Ontario K9J 8M5
Phone: (705) 755-1224
Fax: (705) 755-1206

DESIGN AND OPERATIONS REPORT

Specifications

Reviewers are invited to make specific comments on the potential impacts of the maximum turbine dimensions that are presented in the report. It is expected that a reduction in dimension will reduce the potential effects on the surrounding environment.

Significant Natural Heritage Features

Due to the location and placement of the turbines within agricultural land, ice throw poses no measurable risk to natural heritage features found with the South Branch Wind Farm project area. Operation risks to natural heritage features are as stated in the report.

Ice Accumulation

This section has been updated to more specifically address ice throw and expand on full mitigation of risk.

Noise Complaint Monitoring

The MOE has recently published a document titled „Compliance Protocol for Wind Turbine Noise". Our report has been updated to refer to this document in the handling of any potential noise complaints.

The suggested fifth contingency is a subset of contingency measure 3 already presented in the report.

Radio Communication, Radar, and Seismo-Acoustic Complaints Monitoring

This report section does not include any references to noise issues. We note that the comment is identical to the previous comment and presume that this is unintentional. If/when clarified, we would be happy to respond.

Shadow Flicker

A shadow flicker analysis is not part of the scope of the REA process. However, turbine setbacks for the proposed South Branch Wind Farm are sufficiently large to mitigate shadow flicker at any non-participating residences.

At the reported maximum rotor speed of 20 RPM, shadow flicker frequency from a turbine is limited to 1 Hz, well below the 3 Hz threshold cited in reference 12 as being associated with the low end of triggering epileptic seizures.

NOISE ASSESSMENT REPORT

Project Details

As indicated in the Design & Operations Report, (footnote page 4), there may be references within reports prepared by third-party consultants that reference a 15-turbine layout. These reports were prepared before the removal of Turbine #14 from the project scope. The identifier and position of the remaining 14 turbines has not changed and so these reports are considered valid since the potential impact will not be greater than what is presented in these reports.

A subsequent version of the noise report will be completed and released once a turbine make and model has been selected.

Step-Up Transformer

Section 35 of O. Reg 359/09 provides the basis for the exclusion of the transformer from the noise assessment.

Generic Wind Turbine

A statement addressing tonality will be added to the noise report before submission to the MOE. Prowind is not aware of any modern wind turbines that would be subject to a noise penalty for tonality under MOE regulations.

Noise Level Summary Tables

The use of UTM coordinates is a requirement of the MOE Noise Guidelines for Wind Farms (Oct 2008). This coordinate system is commonly used on Global Positioning System (GPS) devices and on web-based mapping tools such as Google Earth. Should either of these avenues be unavailable or impractical for obtaining receptor specific results from the Noise Assessment Report, Prowind would be happy to assist with this process.

In addition, our site plan mapping will be updated to reflect consistent labeling with the Noise Assessment Report.

CONSTRUCTION PLAN REPORT

Construction And Installation Activities

The presented construction schedule reflects a worst-case scenario and the remaining portion of the sentence reads "*with activities producing high levels of noise ending at 21:00."* Additional wording has been added to this section of the report to clarify that a much more likely scenario is that construction activities will be carried out 6 days per week between the hours of 7:00 – 17:00, reflecting a 60 hour week, which many contractors use during wind farm construction.

Further, following the proposed construction schedule is a sentence that reads "*There is no noise bylaw in the area where the project is located and therefore construction times may be adjusted based on feedback and consultation with the local community."*

Your objection to the proposed worst-case construction schedule has been noted. Consultation on this matter is ongoing and will continue up to the construction start date.

Transport of Turbine Components

The routes taken by turbine component delivery trucks is determined via special municipal permitting for hauling oversized cargo and is not part of the scope of the REA.

Other contractors such as concrete suppliers are governed by load restrictions when selecting their preferred route to the project location. That being said, Prowind is open to consultation on preferred routes to be taken by contractors using public roadways.

Operations And Maintenance Building Construction

The presented construction schedule reflects a worst-case scenario and the remaining portion of the sentence reads "*with activities producing high levels of noise ending at 21:00."* Additional wording has been added to this section of the report to clarify that a much more likely scenario is that construction activities will be carried out 6 days per week between the hours of 8:00 – 18:00, reflecting a 60 hour week, which many contractors use during wind farm construction.

Further, following the proposed construction schedule is a sentence that reads "*There is no noise bylaw in the area where the project is located and therefore construction times may be adjusted based on feedback and consultation with the local community."*

Your objection to the proposed worst-case construction schedule has been noted. Consultation on this matter is ongoing and will continue up to the construction start date.

Schedule

The presented construction schedule reflects a worst-case scenario. Additional wording has been added to this section of the report to clarify that a much more likely scenario is that construction activities will be carried out 6 days per week between the hours of 7:00 – 17:00, reflecting a 60 hour week, which many contractors use during wind farm construction.

The references in previous sections to community consultation are still applicable.

Your objection to the proposed worst-case construction schedule has been noted. Consultation on this matter is ongoing and will continue up to the construction start date.

Mitigation (construction noise)

The presented construction schedule reflects a worst-case scenario and the remaining portion of the sentence reads "*with activities producing high levels of noise ending at 21:00."* Additional wording has been added to this section of the report to clarify that a much more likely scenario is that construction activities will be carried out 6 days per week between the hours of 7:00 – 17:00, reflecting a 60 hour week, which many contractors use during wind farm construction.

Further, following the proposed construction schedule is a sentence that reads "*There is no noise bylaw in the area where the project is located and therefore construction times may be adjusted based on feedback and consultation with the local community."*

Your objection to the proposed worst-case construction schedule has been noted. Consultation on this matter is ongoing and will continue up to the construction start date.

DECOMMISSIONING PLAN REPORT

Purpose

Due to the plan being prepared 20 or more years in advance of being acted upon, it may be necessary to amend in the future. Any changes will be governed by the conditions of REA approval in place at that time.

Financial Assurance of Decommissioning Costs

A detailed financial analysis is beyond the scope of the REA. The numbers presented are a minimum case and do not account for the increasing scrap value of tonnes of steel and copper contained within the turbine components. The proponent remains liable for the full decommissioning costs of the project.

ABUTTING PROPERTY IMPACT ASSESSMENT REPORT

Relevant Properties

A reference to ice throw will be added to the next version of the Abutting Property Impact Assessment Report in a consistent manner as the information contained in the Design and Operations Report. The impacts at each of the four turbines outlined in the report will remain the same. The land surrounding these turbines up to a distance of 387 m is primarily agricultural, with a small amount of woodland at Turbine 13. Impacts and mitigation for agricultural land is currently outlined in the report and ice throw would not create any additional impacts to this land once mitigation factors are considered.

Thank you again for the time taken to review this document and provide us with your feedback.

Please do not hesitate to contact us if you have any additional comments. We would like to extend an invitation to meet with you in person should that be of interest. Please advise us if this is a suitable option.

Sincerely,

The Prowind Team

Comments

On the

South Branch Draft Renewable Energy Application

By Prowind Canada Inc.

Prepared September 23, 2011

Foreword

Our intention is to review the proposal for an industrial-scale wind power generation project in the "South Branch" area of Ontario, which encompasses an area in the Township of South Dundas and the Township of Edwardsburgh-Cardinal, to ensure that the proposal adheres to principles and regulations set out in the Green Energy and Green Economy Act (2009) and, more broadly, that there are no environmental impacts on human inhabitants of this area, or on wildlife.

Every reasonable attempt has been made to ensure accuracy in the comments made, and to provide the best resources and references to support the comments.

No financial compensation has been offered or received to conduct the analysis of the Renewable Energy Application (REA).

Jane Wilson, RN, B.A.

2188 Carsonby Road West, RR 3

North Gower, Ontario

September 23rd, 2011

INTRODUCTION

In Ontario, a Renewable Energy Application is required to "describe any negative environmental effect on public health and safety" according to O. Reg. 359/09. [1]

Our prime concerns are the potential for harm to wildlife in the environment, particularly avian wildlife such as songbirds, waterfowl, and raptors, and for harm to humans who will live nearby the industrial power generation project with its industrial wind turbines and transformer equipment which do produce environmental noise.

Despite Ontario regulations aimed at protecting the environment and assuring human safety, the number of reports of problems is increasing daily, stemming from the experiences of communities in Ontario already—this is the source of our concerns.

We refer to a letter from Marcia Wallace, Director, Ministry of the Environment, Environmental Programs Division to us, dated March 24, 2011, in which she states, "The MOE is committed to ensuring that its rules regarding wind farms continue to reflect current science, as is the case with all other environmental standards set by the MOE. Accordingly, the MOE has hired an independent consultant to develop a procedure which will enhance the MOE's ability to ensure operating wind farms comply with provincial requirements. The MOE has also sought expert advice from an independent consultant to review low frequency noise impacts from wind turbines, and to develop recommendations to the MOE regarding low frequency noise."[2]

This, coming in 2011, seems a little late as industrial wind turbine projects have been operating in the province since 2006. Should there not have been noise measurement protocols in place? How can Prowind guarantee compliance when in fact no methodology exists?

In fact, in April of 2011, Mayor Don McIver of the Township of Amaranth, where dozens of industrial wind turbines have been operating for a period of years, wrote to the Minister of the Environment, John Wilkinson, to reiterate points from a personal meeting with the Minister as regards the situation in his township. "Amaranth Council at the start of the Environmental Assessment process for a wind turbine farm many years ago formally requested by motion to your ministry that human and animal health baseline studies and real estate baseline studies be included in the Environmental Assessment Process. The need for these studies was rejected. … There is no question that the impact of wind turbines and the transformer that connects this power to the grid have negatively affected the health and wealth of neighbouring residents. The Council of the Township of Amaranth is opposed to any further wind turbines projects until the negative impacts of the current wind farm are corrected."[3]

As a result our concerns are:

[1] Renewable energy approvals draft document posted on the Environmental Registry March 1, 2010, Technical Bulletin One, Guidance for preparing the Project Description Report as part of an application under O. Reg. 359/09.
[2] Private correspondence, Marcia Wallace, March 24, 2011, Ministry reference no. ENV1283MC-2011-288.
[3] McIver, Don, Mayor Township of Amaranth, correspondence April 5, 2011. See Appendix "A".

- That current regulations are not adequate to protect human health, and that neither industry nor the government possess the capacity in terms of methodology, to measure noise as perceived by humans from industrial wind turbine projects. It is a fact that the current setbacks of 550 metres in Ontario are based on modeling exercises and not real human experiences
- Residents of the projects referred to by Mayor Don McIver in Amaranth and next-door Melancthon have been experiencing problems and as wind power developers recognize the effect, have been buying out homeowners and subjecting them to "gag" orders with a non-disclosure clause in the agreements. This is now the subject of legal action in Ontario, as it is being questioned as to whether such non-disclosure clauses are in the public interest.[4]

Surely this is evidence of an environmental problem connected to existing industrial wind power generation projects.

[4] Ontario Superior Court Case No CV11-434766. Shawn Drennan and Trisha Drennan v. Suncor Energy Inc. et al.

DETAILED COMMENTS

1. Comment: Format of the Renewable Energy Application prepared by Prowind Canada Inc.

The *Green Energy and Green Economy Act* (2009) makes clear the government's intent that communities should be involved in the development process. See below:

Minister's directions

> *(2) Where the Minister has issued a direction under subsection (1), the Minister may issue, and the OPA shall follow in preparing its feed-in tariff program, directions that set out the goals to be achieved during the period to be covered by the program, including goals relating to,*
>
> *(a) the participation by aboriginal peoples in the development and establishment of renewable energy projects; and*
>
> *(b)* ***the involvement of members of the local community*** *in the development and establishment of renewable energy projects.*[5]

While Prowind has followed the letter of the regulations as regards the Renewable Energy Application process, in fact several actions have in our view limited the community's ability to access information on the project. For example:

-the announcement of the final meeting in the REA process (scheduled for September 29th, 2011) was placed in the Morrisburg newspaper, which is available by subscription only. In fact, Morrisburg is a good 20 km away from residents who will be affected by the South Branch project. If the company had earnestly wanted to inform the community in which the project will be located, Prowind had a choice of several publications including the *EMC Kemptville*, *The Manotick Messenger* Manotick-Winchester edition, *The Advance* (Kemptville), *The Winchester Press*, or the *Prescott Journal*, all of which are considered "local" papers by the community. In our view this represents a breach of the requirements under the regulations; given the amunt of time Prowind is supposed to have spent working in the community, it would seem likely it would have had a better idea what the local newspapers are.

-an earlier draft version of the REA document was given to the offices of both townships and accessible to council and staff by a password-protected FTP process. As the document runs to 800 plus pages, this was not accessible to most members of council or staff. We question too, why this document was available only to the townships at this point, when "public" availability, i.e., "public stakeholders"should have included all members of the community, i.e., municipalities and citizens. There is no provision in the REA process for an early release of the document to the municipalities.

-again, at a print length of several hundred pages and a total of 35 megabytes, the files available at the township offices (not to be removed from the offices) and on Prowind Canada Inc.'s website cannot be described as accessible and fostering community involvement in this process.

[5] http://www.ontla.on.ca/web/bills/bills_detail.do?locale=en&BillID=2145

Many of the residents in the area do not have Internet access at all or if they do, it is via dial-up access, which would not accommodate viewing of such large files.

2. Comments related to effects on human health and serious irreversible harm to plant and animal life and the environment

From the *Green Energy and Green Economy Act*, the following are causes for a hearing to be called to review a Certificate of Approval, so we will base our comments on whether Prowind's Renewable Energy Application contains areas where this could be questioned. In specific*:*

> *(2) The Tribunal shall review the decision of the Director and shall consider only whether engaging in the renewable energy project in accordance with the renewable energy approval will cause,*
>
> *(a) serious harm to human health; or*
>
> *(b) serious and irreversible harm to plant life, animal life or the natural environment.*

Potential for harm to human health

As mentioned in the Introduction, real-life experience in the Province of Ontario, the United States of America, and indeed around the world, indicate that there are effects on human health due to environmental noise, which would include the noise and low frequency noise produced by industrial wind turbines.

A representative of Prowind Canada Inc. Appearing on a Rogers TV information program was asked by journalist Mark Sutcliffe whether wind turbines produce noise. "Of course they do," he said. "They're power plants."[6]

The World Health Organization has documented environmental noise as a negative factor on human health; this would include the noise produced by industrial wind turbines.[7] Environmental noise can cause cardiovascular problems, sleep disturbance and tinnitus, among other health effects.

We are aware that Prowind Canada has followed the regulations in the Green Energy Act with regards to setbacks etc., but wish to state at this time that evidence is mounting that the current setback of 550 meters in Ontario between an industrial wind turbine and a "noise receptor" i.e., a dwelling in which people live, is not adequate.

Ministry of the Environment documents obtained through a Freedom of Information request confirm that current guidelines in Ontario for industrial wind turbines will result in negative health effects. In one internal memorandum, a senior staff member said: "It appears compliance with the minimum setbacks and the noise study approach currently being used to approve

[6] "Talk Ottawa", Rogers TV Ottawa, April 22, 2010.

[7] World Health Organization,2011. Burden of disease from environmental noise. Available at http://www.euro.who.int/__data/assets/pdf_file/0008/136466/e94888.pdf

siting of WTGs **will result or likely result in adverse effects** contrary to subsection 14(1) of the EPA."[8] (Our emphasis.)

Dr. Alec Salt, an otolaryngology specialist with the University of Washington, speaking at the First International Symposium on the Global Wind Industry and Health Effects (October 2010) said that a setback of two kilometers is appropriate, based on current research.[9]

3.Comment: pre-construction bird study section of the REA

We consulted a document prepared for the National Wind Coordinating Collaborative in the United States, published June 2011, entitled *Comprehensive Guide to Studying Wind Energy/Wildlife Interactions*. Funded by the U.S. Wind and Water Power Program of the U.S.Department of Energy, the 281-page document represents a guide to the best practices in methodology in assessing the impact of industrial wind power generation projects on the environment and wildlife in particular.

The document assumes that wind power generation developers wish to avoid any negative impact and provides resources to:

- Assess the suitability of a proposed wind turbine site
- Assess the potential effects on species of concern
- Evaluate the actual effects of implementation of wind energy technology and
- Evaluate the effectiveness of measures taken to avoid, minimize or offset significant adverse impacts and risk reduction management actions to reduce future impacts.

The methodology cited in the document is based on "generally agreed-upon and scientifically appropriate methods and metrics" which would "help to enhance the credibility and comparability of study results, including the results of studies conducted at different sites with different study objectives."

The fact is, industrial wind turbine projects do kill birds. According to the Comprehensive Guide, research prior to the mid-1990s in North America and Europe of wind power-bird interactions documented deaths of songbirds and waterbirds. Research at Tarifa, Spain, identified a high rate of fatalities for the griffon vulture. The early studies also found that bats were killed at wind power facilities.[10]

Passerines are most at risk and make up the majority of avian fatalities, while members of other species such as raptors are also at great risk.[11]

While research efforts focus on the potential for fatality for birds and bats, the loss of habitat due to turbine pads and access roads is also an important negative impact produced by industrial wind turbine projects.

[8] Ontario Ministry of the Environment memorandum, April 9, 2010, cited in Krogh C and Horner B, A summary of new evidence: adverse health effects and industrial wind turbines. August 2011.
[9] Notes from the symposium taken by the author.
[10] National Wind Coordinating Collaborative, June 2011, page 5.
[11] Ibid, page 11.

According to the National Wind Coordinating Collaborative, the following steps are necessary for an appropriate and accurate assessment of at-risk avian populations in the area of a proposed industrial wind power generation project.

-Point counts are conducted along roads for early risk assessment, before the industrial wind power generation developer has signed leases with landowners and rranged for access to private property.

-Data collected during passerine point-count surveys should include: time, species, number, estimated distance from the observer, activity, habitat, flight direction and estimated flight height.

-For appropriate data analysis and relevance to the proposed industrial power generation project, the above data should be categorized to correspond to the height below, above, and within the space occupied by the turbine blades in the proposed development.

-Weather data—temperature, wind speed and directions, cloud cover and precipitation—should also be recorded for each observation session.

-Baseline estimates of birds should be made using data for one year including one breeding season and one fall migration and one spring migration. This data needs to be combined with existing bird survey data to determine whether the survey year was an average, low, or high use period.[12]

Where raptor populations are a concern—fall counts should begin as early as August and continue through to December, and spring counts typically begin in February and continue into June, depending on the location. Counts should be done at the rate of two to three days per week, and more than one year of data may be required, according to the National Wind Coordinating Collaborative.[13]

On reviewing the Prowind REA information on the pre-construction avian surveys, it would seem that the time spent on bird counts follows established protocols for counting birds, but not necessarily with preventing collisions with industrial wind turbines in mind. In specific:

-the spring migration period count was four hours on ten days over a seven-week period, with an 11-day gap at the beginning.

-the breeding season survey was conducted on just three days; this data does not include any information of the height at which birds were observed flying relative to the turbine blade sweep, yet this is exactly the type of activity which can result in collision and avian death.

-the fall migration survey was again, as for the spring migration, four hours on ten days.

-the survey period was over a single year

Species-specific data in the Prowind survey indicated that the following species of birds were observed flying at heights that would put them at risk for collision with the rotor blades:

[12] Ibid, page 43.
[13] Ibid, page 45.

Canada Goose

Great Blue Heron

Turkey Vulture

Osprey

Broad-winged Hawk

Red-tailed Hawk

Accipiter

Red-billed Gull

Common Crow

American Crow

Horned Lark

Barnswallow

Pipit

And House Finch

The presence of the Bobolink was noted and is a concern as it is an endangered species and under protection by the Ontario *Endangered Species Act*. It is not mentioned in the Prowind REA whether the company intends to apply for an exemption.

The mention of raptor counts for the fall migration period at Port Stanley and Holiday Beach (Section 5.4.1) is specious and perhaps manipulative: of course the raptor counts will not figure as high for South Branch as in what is an Important Bird Area or IBA (but where, as an aside, industrial wind turbine projects are being proposed anyway) but to then follow with the statement –"Numbers are not strictly comparable, as observation hours on each day have not been standardized" –begs the question as to why it is mentioned at all, except to minimize any apparent effect on the South Branch raptor population by making it seem so small as to be inconsequential. In fact, any effect on any raptor population would have an effect on the environment, and have far-reaching consequences for agricultural activities.

4.Comment: bat studies

In our view, the same comment applies as for avian studies: there was not enough time allotted for the survey of bat populations; it could be stated that the choice of the time of day for the bat studies was not designed to observe as many bats as possible, but rather, as few as possible. Prowind relies on its choice of research that says not much is known about bat-industrial wind turbine interactions.

According to the U.S. National Wind Coordinating Collaborative, "estimation of fatalities will require a minimum of one year, and two or more years of post-construction monitoring when little is known about fatality rates in a particular landscape."[14]

As for both birds and bats, Prowind plans to report on fatalities on a per MW basis, when the Comprehensive Guide—which has its goal to minimize fatalities, not just meet the letter of obviously flawed regulations—recommends that the more accurate approach would be to report as fatalities per rotor swept hour. [15]

[14] Ibid, page 93.
[15] Ibid, page 93.

5.Comment:Turbine specifications report

Prowind has stated that it has provided information to "Aboriginal, public and policy stakeholders" prior to submitting the REA.
Which Aboriginal communities were consulted? There are various land claims that are related to the South Branch area, both specific and comprehensive. It is key to identify which First Nation(s) were consulted and what attempt if any was made to communicate to non-affiliated First Nations people.

It is puzzling that at this late stage of the Renewable Energy Application process, Prowind is not able to stipulate its choice of turbines, nor, therefore, the exact number of turbines to be erected, if the project receives approval from the Ministry of the Environment.

This lack of information affects the ability of community stakeholders to properly assess impacts from the industrial wind power generation project. Although the text says the turbines might be "smaller" it would seem appropriate for the community to know the choice now.

6.Comment:Noise Assessment

Again, as evidence mounts that a 40dB limit for noise is not protective of human health, our comment is that in a project with multiple turbines installed, there will likely be negative effects on people from the environmental noise and vibration or infrasound, from the industrial wind turbines.

And again, it is troubling that the exact equipment to be used is not described or named, even at this late stage.

Other comments:
Section 4.2 "Step-Up Transformer" states, "A step-up transformer with an approximate capacity of 35 MVA will be included with this project. Voltage levels will be 27.6 kV on the low side, and 44.0 kV on the high side. Since this transformer is rated below 55 kV, it will not be included in the analysis."

Why is the transformer excluded? The MOE Noise Guidelines for Wind Farms (October 2008) states:

"6.2.4 Transformer Substation
The acoustic emissions of each transformer unit must be specified by the manufacturer and conform to the standard ANSI/IEEE C57.12.90, Reference [7]. In cases where the specific information is not available in the early stages of planning the proposed Wind Farm, as described in the introduction to Section 6, proponents must submit a maximum rated value of the transformer acoustic emissions.
The requirements do not apply to the small transformer units attached to each wind turbine. These small transformers are insignificant noise sources and, therefore, their contributions do not require assessment.
The acoustic emissions data must be used in the noise impact assessment at each receptor.

6.2.5 Noise Sources and Locations
All wind turbine units and Transformer Substations must be assigned a unique source identification and must be listed along with their Universal Transverse Mercator (UTM) coordinates in a table in the report. The table should be provided in electronic form along with

the report."

Our comment: A 35 MVA transformer is not the same as the small 2 to 3-MW step-up transformer associated with each turbine.

A 35 MVA transformer is not a large one, and likely it will be possible to locate it so that it does not result in any receptor exceeding the MOE guidelines, but it is required to be identified under the MOE Guidelines.

In spite of the non-specific information in other locations, the turbine specified are the largest proposed for Ontario to date, with a hub height of 140 m and a rotor diameter of up to 116 m, so the tip height will be in the order of 198 metres (650 feet) above grade.

According to the layout maps, a number of turbines will be very close to the lot lines of the non-participating neighbours, certainly within the 1.5 x (rotor hub beight + rotor diameter) recommended by GE for an ice throw buffer.

This was argued for by the Appellant at the Environmental Review Tribunal (ERT) for the Kent Breeze wind farm, and the developer did actually add additional adjacent lots. Based on the Kent Breeze ERT, Prowind should express an acknowledgement of risk.

In short, the concerns are:
1) the lack of data for the transformer noise output and location
2) the assumption of the turbine sound power level, and
3) the close proximity of the turbines to the lot lines. They are within MOE rules as currently stated, but outside what was eventually done for Kent Breezes in order to provide for ice and blade throw protection.

7.Comment: Emergency Preparedness

This report is simply a boilerplate (proprietary) document from GE and has no spite-specific data. For example, in sections 3.0 and 4.0 of the Appendix, where it is noted to "insert" a list of chemicals, there is no actual list, merely the instruction to do so.

This is merely the outline for a proper working plan, not a plan.

According to industry literature, there is a significant risk from lightning strikes and fires caused by other means. In a recent article in North American Clean Energy, Scott Starr says that property damage to a single industrial wind turbine and the fire that spreads to nearby areas has ranged from $750,000 to $6 million. "Aside from the imminent hazards of a burning turbine, there is also the risk of sparks, embers, or debris falling to the ground and setting off a wildfire … Technical equipment and combustible material are concentrated in the nacelle and, once a fire starts in a turbine, it can be fuelled by up to 200 gallons of hydraulic fluid and lubricants."[16]

With all the risks posed by the industrial wind turbines, is not appropriate for the community to see evidence that local fire authorities have actually been consulted and that there is a plan of action in place, as opposed to an outline for a plan?

8. General comment

The comments noted above are merely those of an interested observer and not the result of a technically trained expert in safety, engineering, acoustics or other field associated with industrial wind power generation.

The type of reports submitted to meet the requirements of O.Reg 359/09 we suggest are beyond the ken of most members of any community. How can the Ontario Government or Prowind insist that there is true community involvement when the community is hampered even in its understanding of the application, or that to do so, must spend probably thousands of dollars to contract for the requisite professional expertise?

[16] Starr S. Taming turbine fires before they stat: it's when, not if. North American Clean Energy, May-June 2011, page 42.

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Jane Wilson
2188 Carsonby Rd. W.
RR 3
North Gower, ON

December 2, 2011

Hello Ms. Wilson,

Thank you for your thorough review and comments on the *July 29, 2011 South Branch Wind Farm Draft Renewable Energy Approval*. These comments were received at our office on September 29, 2011.

We have taken your comments and incorporated elements of your feedback and suggestions for improvement into the latest version of the report titled *South Branch Wind Farm Draft Renewable Energy Approval V2.2, November 4, 2011.*

We have also summarized our responses to your comments below. The responses are structured according to the paragraph numbers in your document titled *"Comments On the South Branch Draft Renewable Energy Application By Prowind Canada Inc."*

1. Comment: Format of the Renewable Energy Application prepared by Prowind Canada Inc.

Newspaper advertisements

We announced at our previous open house on September 29, 2011 that three additional meetings will be held in both Edwardsburgh/Cardinal and South Dundas. All three of these meetings were recently (Nov. 9 and 10, 2011) advertised in the Kemptville Advance, Prescott Journal and Morrisburg Leader. We hope that the postings in these publications are to your satisfaction. We welcome any further feedback on this matter.

As always the notification was directly mailed and/or emailed to local residents and stakeholders and posted on our website.

Public availability of Draft REA

The first draft REA was made available to the public on July 31, 2011. Municipal staff are given advanced copies of the document for their review and comment as they are a commenting agency and are required to provide feedback. We are required to give municipalities the Draft REA at least 90 days in advance of the final open house as outlined in Section 18. (3)(b) of O.

Reg 350/09. We are required to make the draft documents available to the public 60 days in advance of the final public meetings according to section 16. (5) of the above noted regulation.

Availability of REA for review

Draft REA documents that are available in hard copy at the municipal offices can be copied if desired. The majority of people do have access to the Internet and the reports are available for download from the website 24 hours a day, 7 days a week. If an additional individual copy of the report is required due to limited or no Internet access, Prowind is happy to provide the reports on CD or paper copies in particular circumstances. To date, no requests for additional copies have been received.

2. Comments related to effects on human health and serious irreversible harm to plant and animal life and the environment

Thank you for your comments on this topic. Your comments have been noted and your letter will be entered into the public record.

There continues to no peer-reviewed scientific evidence relating health impacts directly to wind turbine emissions. The most recent paper to come out on this topic is titled *"Health effects and wind turbines: A literature review" by Knopper, L. and Ollson, C., 2011*. This paper concludes that reported health impacts from people living near wind turbines are more closely related to their attitude toward wind turbines, than physiological effects. Impacts felt by individuals living near turbines are more often health impacts from anxiety and stress from a negative attitude toward wind farms than a direct impact from the turbine itself.

"...wind turbine annoyance and some reported health effects (e.g., sleep disturbance) have been statistically associated with wind turbine noise especially when found at sound pressure levels greater than 40 db(A), but found to be more strongly related to subjective factors like visual impact, attitude to wind turbines in general and sensitivity to noise."

This report references an important study that measured infrasound in homes that were within 500 m of wind turbines and determines:

"... that results of their study suggest that there should be no adverse public health effects from infrasound or low frequency noise at distances greater than 305 meters from the two wind turbine types measured."

Any new wind farm built in Ontario is required to be below a 40 dbA sound level at nearby homes and at least 550 m away.

3. Comment: pre-construction bird study section of the REA

Thank you for your comments and thorough review of the document entitled "*Comprehensive Guide to Studying Wind Energy/Wildlife Interactions".*

Prowind conducted a variety of avian studies to examine each season of bird usage of the area and this process in its entirety was conducted over three years. Bird surveying started in 2008 and was completed just this past summer in 2011.

We appreciate your comments on habitat loss and we agree with this opinion. Habitat loss is a major concern with any new development; we choose to locate our wind farms on agricultural land for this very reason. Row crops make very poor habitat for any species and therefore no pre-existing wildlife habitat is removed for the construction of the crane pad and access road, etc. This project is exclusively located on agricultural land and will not remove any natural habitat.

Wind turbines are responsible for some degree of bird mortality, but keep in mind - homes, cats, barns, vehicles, etc. are also responsible for bird mortality, and to a higher degree. The original location of the wind farm was partially chosen for its low impact to the natural environment from existing disturbance. Due to its location away from shorelines, bird migration corridors and large bodies of water and large woodlands, the bird populations are relatively low. The examples you used in your comments may not be appropriate comparisons, as we do not know their landscape or location within the bird migration pathways. Wind farms can be damaging to bird populations if sited in an area where there are high numbers of birds. Our assessment of the site and successful consultation with MNR provides confidence that the South Branch Wind Farm is sited appropriately to keep impacts to bird populations at a minimum.

The bird surveys conducted at the project area encompassed more research than the MNR currently requires to be carried out for wind farm projects. The MNR has reviewed and approved our bird monitoring surveys. The MNR staff are trained and familiar with the local area and believe that Prowind has conducted sufficient studies to determine the impact of the wind farm on local bird populations.

The Bobolink has only recently been listed as a Species at Risk and is therefore removed from the REA process. This is dealt with separately through the MNR per their requirements.

To address your last comment in this section, the Holiday Beach example, although not a direct comparison is included in the report to add perspective. It illustrates the difference in bird populations between a migration corridor and a non-migration corridor. The number of birds observed at the South Branch Wind Farm may seem high unless compared with an area that is a thoroughfare for migrating birds. It was not meant to be specious, but included for reference purposes.

4. Comment: bat studies

Prowind conducted a radar bat monitoring program at multiple locations across Southern and Eastern Ontario that looked at bat movements across the province. This was approved and encouraged by the MNR to gain additional information on province wide bat activity.

Currently, there are fewer pre-construction bat monitoring requirements than three years ago when the bat monitoring was undertaken, so Prowind has completed an extensive bat monitoring program for research purposes only.

The bat monitoring was conducted during the fall migration period and monitored all night, from dusk until dawn. This is when bats are most active and when the highest results would be observed. Results from this site indicated low diversity and abundance of bats in this area.

As you suggested, and per MNR requirements, three years of post-construction bird and bat monitoring at the South Branch Wind Farm will be conducted to quantify impacts of the turbines on bird and bat species. If a threshold of bird and/or bat deaths is recorded, mitigation measures will be initiated which may include, feathering the blades, slowing the blades or turning off the turbines during the hours of highest activity.

5. Comment: Turbine specifications report

First Nations Consultation

Consultation with First Nations is an important part of the REA process and one that we have not overlooked.

The First Nations communities consulted were those identified by the Ministry of the Environment. At the beginning of the REA process, a draft Project Description Report and map of the project area is submitted to the MOE. The MOE compiles a list of First Nations communities with treaty rights and land claims in the area of the proposed project.

For this project Prowind has communicated with:

- Mohawks of the Akwesasne
- Métis Nation of Ontario
- Alderville First Nation
- Algonquins of Ontario

This is all outlined in the Consultation Report that will be published once it is complete and MOE has reviewed and confirmed completeness. By its nature, the Consultation Report is a dynamic and evolving document.

Turbine Model

We believe the late turbine choice will be beneficial to the community as we will be able to consider the latest technology that becomes available. This allows us to consider turbines that are of smaller dimensions, quieter sound and fewer in number.

Our decision to approve a large, generic turbine was approved by the MOE. We must submit an updated noise report when a turbine model has been chosen.

6. Comment: Noise Assessment

Transformer Substation

A transformer substation is defined in the O. Reg 359/09 as:

"transformer substation" means a transformer substation capable of operating at a nominal voltage of 50 kV or more.

The transformer on site at the South Branch Wind Farm project will be 27.6 kV to 44.0 kV. This is below the threshold for identifying as a transformer substation as defined above and is therefore not applicable to noise assessment or further discussion in the REA.

Regardless, Prowind has identified the location of the substation on all maps of the project layout. It will be setback approximately 335 m from the road and approximately 420 m from the nearest home.

Adjacent properties

Where properties are within 140 m of a turbine, risks have been addressed in the Abutting Property Assessment Report. The land within 140 m of these turbines is primarily row crops and a small amount of woodland at turbine 13. The impacts will be low as only cropland will be in the vicinity and at a time when the land is unused (winter).

With respect to addressing ice throw in the REA, we have expanded on mitigation options in the Design and Operations Report.

Assumption of turbine sound

The assumptions for turbine sound and power level were chosen at a very conservative level. The decision to use a high sound power level meant that we have more options for turbine model selection. It also means that the sound power level of the turbine that is chosen will likely be lower than what was modeled.

7. Comment: Emergency Preparedness

Emergency plans are prepared by the Operations and Maintenance contractor, which is most commonly the turbine manufacturer for the first years of operation. Additionally, the Emergency Plan is prepared in consultation with local emergency services after the project has been approved. We provided a sample template to inform you of what is typically included in the emergency plan, but it will not be completed as part of the REA process.

8. General comment

We appreciate your comments on the weight of the project information presented to the public. Prowind is available at several open houses in the upcoming months if you have questions about anything in these documents. We are available by phone and email during office hours if additional information is required.

These documents are meant to be technical documents discussing the real impacts of the renewable energy project. Highly detailed reports are necessary to discuss the type and degree of risk and impact to a variety of facets of the project area and wider community.

Thank you again for the time taken to review this document and provide us with your feedback.

Please do not hesitate to contact us if you have any additional comments. We would like to extend an invitation to meet with you in person should that be of interest. Please advise us if this is a suitable option.

Sincerely,

The Prowind Team

Prowind Canada Inc. is proposing the development of the South Branch Wind Farm, a 30 megawatt (MW) renewable energy generation facility. Once constructed, the facility will be able to produce enough renewable electricity to power approximately 7,500 homes per year.

We invite you to join us for the final information sessions in the community to discuss the South Branch Wind Farm development project.

Meeting in Township of South Dundas

Location: Matilda Hall, 4421 County Rd. 16, Dixon's Corners
Date: Tuesday, January 10, 2012
Time: 6:00pm to 9:00pm

Meeting in Township of Edwardsburgh/Cardinal

Location: Drummond Building, 22 Ryan St., Spencerville
Date: Wednesday, January 11, 2012
Time: 6:00pm to 9:00pm

Meeting agenda:

6:00pm to 7:00pm Project information reception
7:00pm to 8:30pm Question and answer panel

The panel will feature an expert on health effects and wind turbines – Lauren Knopper – co-author of "Health effects and wind turbines: A review of the literature".

Questions for the Q&A panel will be given priority if received in advance of the meeting date. Please send your questions to the Prowind Canada office via the contact details below.

Prowind Canada Inc.
For project inquiries contact Prowind Canada at 905 528 1747, or info@prowind.ca.

The JournalNEWS

Politicians deliver message of optimism at New Year's Levee

By Jeff Morris

There was a sense of optimism in the air as local political leaders at all three levels spoke at the Prescott New Year's Day Levee, held at the Royal Canadian Legion.

Prescott Mayor Brett Todd, Leeds-Grenville MPP Steve Clark and Leeds-Grenville MP Gord Brown addressed the well-attended gathering to talk about the upcoming year.

Todd began by wishing everyone in attendance a Happy New Year and also thanked the Legion and its volunteers for hosting this year's levee.

Todd said that 2011 was a "transition year" for Prescott, with a new mayor, a new council, a new CAO, and some new staff members.

Strategic planning for the upcoming year, Todd said, will begin this month. He added that the planning discussions will include public transportation and town hall meetings.

One of the big issues for Todd and the council will be Prescott's economy. Council will be looking at ways to revitalize and boost business in the town, and staff is currently reviewing properties owned by the town.

One of the big boosts for tourism will be the opening of the Visitor Centre at Fort Wellington.

Todd also mentioned that plans are in place for Prescott to get its first local radio station since 1942. Another bright spot for the town will be the waterfront park on Water Street near the Mariner's Club condominium building between Centre and Edward Streets.

Clark expressed his best wishes for the New Year and wished the members of Prescott Branch 97 of the Royal Canadian Legion much success for the year ahead and passed on his desire to participate in their activities throughout 2012.

"As MPP for Leeds-Grenville, I am looking forward to the New Year with great anticipation," stated Clark in a letter to the gathering. "As 2012 dawns, I believe it brings with it reason for much optimism and excitement for our region and for Prescott in particular.

" The many events planned for the War of 1812 Bicentennial give us an incredible opportunity to showcase our beautiful part of Ontario, with its fascinating history and unlimited future potential, to many new visitors."

Prescott Mayor Brett Todd, Stephen Lear of Prescott Royal Canadian Legion Branch 97, and Gord Brown, MP share a moment at the New Year's Levee at the Legion Hall.

Leeds-Grenville MP Gord Brown also expressed a feeling of hope and optimism for the upcoming year. Among the times on his mandate for the upcoming year are to concentrate on creating jobs and strengthening the local economy.

Brown also said that the 200th anniversary of the War of 1812 will also provide a boost to the area. With a number special events planned throughout the year, there are both tourism and educational opportunities available to both visitors and local residents. Brown also said that the new Visitor Centre at Fort Wellington will have a positive impact on the town.

Brown also mentioned that the Queen's Diamond Jubilee and a Royal Visit by Charles and Camilla will be among the highlights for the upcoming year.

Brown closed by saying that he hopes to work closely with the mayor and council of Prescott.

Stepping forward; Leeds Grenville encourages public input for sustainability plan

Broad-based community input is being encouraged in the New Year to create a United Counties of Leeds and Grenville sustainability plan.

The Counties, along with the firm Dillon Consulting, is hosting its first round of community workshops in six locations across the Leeds and Grenville from January 24 to January 26 to gain community feedback and advice in the creation of an Integrated Community Sustainability Plan (ICSP). The four cornerstones of an ICSP are environment, economy, society and culture.

The goal of this Plan, explained the Counties' Economic Development Manager, Anne Weir, is to ensure that residents from all 10 member municipalities, and partner communities of Gananoque and Prescott are "engaged in the process."

Over the next 12 months, she continued, the United Counties will integrate plans that align with the actions of governments, both at the Counties and municipal level, communities and organizations, potentially creating "one of Canada's largest Integrated Community Sustainability Plan developed."

Registration for workshops begins each evening at 6:30 p.m. with sessions running from 7 until 9 p.m. To assist with planning, advanced registration is suggested and can be submitted by emailing icsp@uclg.on.ca or by calling 613.342.3840, ext. 5367.

The North Grenville/Merrickville-Wolford workshop will be held on January 25 at the Merrickville Community Centre, 106 Read Street, Merrickville.

The Augusta/Prescott/Edwardsburgh/Cardinal workshop will be held on January 26 at the South Edwardsburgh Community Centre, 24 Sutton Drive, Johnstown.

Prowind CANADA

Prowind Canada Inc. is proposing the development of the South Branch Wind Farm, a 30 megawatt (MW) renewable energy generation facility. Once constructed, the facility will be able to produce enough renewable electricity to power approximately 7,500 homes per year.

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Prowind Canada Inc.
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The winner of the Gilmer Pharmacy Draw for a 40" Samsung HD TV drawn Dec. 23rd was Ypie Buwalda of Iroquois.

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Police news

Stolen Vehicle

SOUTH STORMONT – On December 28th, SD&G OPP officers responded to a report of a stolen vehicle on County Road 18, South Stormont Township.

The investigation revealed that sometime between December 27th and 28th, unknown suspect(s) attended a residence and removed a 1996 Dodge pick-up truck and a 2007 Yamaha ATV.

The investigation is ongoing.

There were "a lot of good things" in 2011. As Byvelds pointed out, the Iroquois Golf Course situation was resolved, council successfully completed their first budget, and council reinvested in the community.

Looking ahead to 2012, Byvelds admits that the "budget is going to be a challenge." He and council want to "reinvest in the community without bankrupting the community."

He maintains that it is important to "always have a vision." And, in addition, he wants council to continue being open to new ideas from staff, as well as from the community.

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APPENDIX H

AGENCY CONSULTATION

APPENDIX H: AGENCY CONSULTATION

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APPENDIX H1

CONSULTATION WITH
SOUTH NATION CONSERVATION

Correspondence with South Nation Conservation					
South Branch Wind Farm					
Contact Name	**Method**	**Date**	**Message**	**Message Sender**	**Attachments**
Geoff Owens	email	03-Dec-09	Hello Rochelle, Further to our telephone conversation of earlier today where we agreed to have a pre consultation meeting regarding a proposed wind energy project in the Municipality of South Dundas. The dates we propose are Jan 6-7-8 and Jan 11-12, 2010. We look forward to hearing from soon in this regard. Thank you, Geoff Owens		
Geoff Owens	email	10-Dec-09	Hi Geoff, Sorry for the delay in my reply, but we just had to sort out our schedules on this end. It looks like January 12th will work best for us. Does 1 pm work for you? I think our timing that day is pretty flexible, so if not, please feel free to offer an alternative meeting time. Thanks for organizing this. I look forward to meeting you. Take care, Rochelle	Rochelle Rumney	
Geoff Owens	email	10-Dec-09	Hi Rochelle, This date and time seems to work for SNC staff. We look forward to hosting you and your colleagues at our office in Finch. Have a happy holiday and we will see you in the New Year. Geoff		
Geoff Owens, Sandra Mancini, Mat Leblanc, Cathy Weston, Rochelle Rumney	Meeting	01/12/10	See Meetings Minutes on file		
Mat Leblanc	email	01/25/10	Hi Mathieu, As per our meeting on the 12th of this month, I have completed the "Data Information Request" form for the two wibd farms we are propisng in the South Nation watershed. The completed form is attached to this email. It includes a list of the data we require for both the South Branch Wind Farm and the Kerr's Ridge Wind Farm. I will forward you an email from our Geomatics Manager with the shapefiles of the areas of interest for both project areas. Please let me know if these file types are acceptable; if not, we can discuss other options. We only require the above data for the areas outlined in the shapefiles. It was great to meet you the other day and I look forward to working with you. Please let me know if I can clarify anything or help in any way. Take care, Rochelle Rumney	Rochelle Rumney	

Contact Name	Method	Date	Message	Message Sender	Attachments
Mat Leblanc	email	01/25/10	Hi again Mathieu, Here are the shapefiles as discussed in the previous email. I hope they work for you, but let me know if they don't. As noted below, the spatial coordinate system is UTM ZONE 18N NAD83. Thanks so much for your work on this. Rochelle -- Hi Rochelle, Here is are the files you requested. I've included KMZ's for reference. The spatial coordinate system is UTM ZONE 18N NAD83. Cheers, J	Rochelle Rumney	
Mat Leblanc	email	01/28/10	Thanks Rochelle, I'll start gathering the info ASAP and will send you an invoice shortly. Mathieu		
Mat Leblanc	email	02/17/10	Good afternoon Rochelle, Our GIS guy is having trouble using one of your shapefile. Would it be possible to check out the South Branch shapefile and resend it? Thanks Mat		
Mat Leblanc	email	03/03/10	Hey Rochelle, Just to let you know I didn't forget about you. Since the area in question is pretty large, it's taking our fisheries biologist some time to gather all the info. Everything will be sent to you ASAP. Thanks Mat		
Mat Leblanc	email	03/19/10	Good afternoon Rochelle, I have all the information for your data request. The total cost for the data request shall be $542: · $122 for the digital data; · $420 for staff time The invoice shall be sent very shortly. I can send it via email if you prefer. Let me know how you want to proceed. Thanks Mat		
Mat Leblanc	email	03/19/10	My apologies Rochelle, the amount below should have read $514 for staff time. So the total cost of the data request is $636 not $542. Sorry. Mat		

Contact Name	Method	Date	Message	Message Sender	Attachments
Mat Leblanc	email	03/24/10	Good afternoon Rochelle, Please find attached the information that you have requested from SNC. You will find two shapefiles (SBfloodplainclip and Kerrsfloodplainclip) containing the 1:100 year floodplain line for the above projects area. This data is owned by South Nation Conservation (SNC) and should be used only as a guideline for the specific project that you are undertaking, in this case the "South Branch and Kerr's Ridge Wind Farms". SNC is not responsible for any errors made in the interpretation of this information. SNC staff should be consulted in regards to appropriate interpretation of the mapping and prior to any final conclusion being made. You will also find three pdf documents containing all the fisheries information that SNC has for the watercourses contained in both areas. Do not hesitate to contact me if you have any questions or concerns. Sincerely, Mathieu		South Branch Request - Fisheries.pdf, Kerr's Ridge Request - Fisheries.pdf, South Branch historical Catch.pdf, Sbfloodplainclip.shp, Kerrsfloodplainclip.shp,
Mat Leblanc	email	16-Apr-10	Hi Mat, We spoke a couple of weeks ago on the phone regarding the mapping layers you sent us for the South Branch and Kerr's Ridge Wind Farms. During that call you mentioned sending us a contact name/info for an MNR staff member who can provide us with further mapping information that you were unable to provide due to privacy issues. Did you ever manage to track that contact info down? I don't recall receiving it, but I have been gone for the past two weeks, maybe I missed it. Thanks Mat. Rochelle	Rochelle Rumney	
Mat Leblanc	email	16-Apr-10	Hi Rochelle, You can reach the Land Information Ontario office at 705-755-1878 or lio@ontario.ca. The website is http://www.mnr.gov.on.ca/en/Business/LIO/. You can search for data and make maps on their website. Sorry, I couldn't find a contact name. Let me know if you need anything else. Thanks Mat		

Contact Name	Method	Date	Message	Message Sender	Attachments
Sandra Mancini, Mat Leblanc	email	06/15/10	Hi there, I just wanted to pass along the minutes from the meeting yesterday. Have a look and feel free to add/remove/alter anything in there. Let me know if you don't have any changes to make, so I know when we are all ready to move on. Once we have a finalized version we can start putting some of what we talked about into action. Thanks again for meeting with us. I think it was very beneficial. Have a great afternoon, Rochelle	Rochelle Rumney	
Mat Leblanc	email	08/03/10	Hi Mat, As a follow up my voicemail at the end of last week, I just wanted to send along some information on the mapping that I need for the South Branch Wind Farm field work. It always takes me a bit longer to get to these things than I think it will. When we met back in June you mentioned that I could send over my mapping needs and you might be able to give me some contact information or ideas on when I can acquire such data. I'd be very appreciative of any help you can provide. Below is a list of information I'd like to have for the South Branch field work. I've also attached a map from another one of our projects so you know what sort of product we looking for with all of this. Watercourses, Seepage areas/springs, Water bodies, Wetlands, Woodlands, Valleylands, Hazard lands, Aggregate resources, Petroleum resources, ANSIs, Wildlife habitat (significant wildlife habitat, snake hibernacula, bat hibernacula, rare vegetation communities), Fish Habitat or stream classification for potential fish habitat, Species at Risk, Crown Forest, Hazard lands Please feel free to call or email if you have questions about any of this. I'll also be in the area next week for a Open House for this wind farm project if a meeting is valuable at all. Thanks so much Mat. I hope you had a nice long weekend. Take care, Rochelle	Rochelle Rumney	
Mat Leblanc	email	08/19/10	Hi Rochelle, SNC might have some of this data. But most of it is MNR's, so I'll see if I can find you a contact there that you could deal with. Mat		
Mat Leblanc	email	08/19/10	Thanks Mat. I have a contact at the MNR in Kemptville, so don't worry about that. Do you know if you have any data on SN Conservation Areas? I noticed two in the project vicinity while I was out there. Thanks, Rochelle	Rochelle Rumney	

Contact Name	Method	Date	Message	Message Sender	Attachments
Mat Leblanc	email	08/31/10	Hi Rochelle. I haven't worried about you don't worry. Correct me if I'm wrong, but didn't I send you fish/fish habitat/classification info with your last property inquiry? I'm waiting on the GIS department to tell me if we have conservation areas. Also, I don't know if you have checked it out, but there is also the Land Information Ontario website that could be of interest. Mat		
Mat Leblanc	email	08/31/10	Hi Mat, You did, you're right. I have the fisheries data which includes the watercourse name and class and fish species found there. I have also historical catch info for the South Branch of the South Nation River. Is there a map somewhere with the titles of all the stream names? I only know of the South Branch and Sandy Creek. But there are many other streams within the project area that may be listed in this table you sent me, but I just don't know their names. Thank you for the fisheries info. Sorry that I forgot about that. I'd appreciate the conservation area info very much, if you have it. Thanks for looking into it for me. And yes, we have contacted LIO and received all the info we need from them. We just want to make sure we have all the available data from all the sources. Thanks again, Rochelle	Rochelle Rumney	
Mat Leblanc	email	09/09/10	Hi Mat, I just wanted to check in with you to see if you had any luck locating records of SNC Conservation Areas near the South Branch Wind Farm. Thanks! Rochelle	Rochelle Rumney	
Mat Leblanc	email	09/09/10	Yup. I`m just waiting to hear from the Lands department. Mat		
Mat Leblanc	email	09/14/10	Hi Rochelle, So I finally got the info for the Conservation Areas. So you are looking at a fee of $148.36 + HST. Do you still want to go ahead? Thanks Mat		

Contact Name	Method	Date	Message	Message Sender	Attachments
Mat Leblanc	email	09/15/10	Hi Rochelle, Please find attached the information that you have requested from SNC. This data is owned by South Nation Conservation (SNC) and should be used only as a guideline for the specific project that you are undertaking, in this case the South Branch Wind Farm. SNC is not responsible for any errors made in the interpretation of this information. SNC staff should be consulted in regards to appropriate interpretation of the mapping and prior to any final conclusion being made. Do not hesitate to contact me if you have any questions or concerns. Sincerely, Mat		imagef598ba.JPG, ConservationAreas_SNC.shx, ConservationAreas_SNC.dbf, ConservationAreas_SNC.prj, ConservationAreas_SNC.sbn, ConservationAreas_SNC.sbx, ConservationAreas_SNC.shp, ConservationAreas_SNC.shp.xml
Mat Leblanc	email	11/04/10	Hi Mat, Just a quick question for you regarding fish habitat. As a mitigation measure for drilling under watercourses at the South Branch Wind Farm site, we've stated we will not drill during sensitive fish spawning and rearing periods in case of a frac-out. I'm using dates and timelines from a Southern Ontario CA and wondered if they are the same in Eastern Ontario. As far as I'm aware, sensitive spawning and rearing periods for bait fish occur during March 15th to June 30th and for sport fish it is March 15th to July 15th. Is this correct for the South Nation River and its tributaries? Also, just as an update, we are working hard to complete the REA documents and should have a draft ready for agency review (that's you) by the end of the month (fingers crossed). Just wanted to let you know that it's coming your way shortly. Thanks Mat. Hope things are well with you. Rochelle	Rochelle Rumney	
Mat Leblanc	email	11/04/10	Hi Rochelle, For all of South Nation, the timing window is from March 15 to June 30. Thanks for the update. Cheers Mat		

Contact Name	Method	Date	Message	Message Sender	Attachments
Mat Leblanc	email	11/05/10	Hi Mat, Thanks for your quick response yesterday. I have few other questions for you. With respect to the 15 m regulation around floodplains and water courses, does this mean no development within it, or just that we require a permit? I remember that we not able to construct permanent features within the floodplain, but I wasn't sure about the 15 m regulation area. Would we be able to build a turbine within 15 m of the floodplain? Also, if turbines are allowed within the regulation area, is it ok if the foundation goes into the floodplain? The surface would be returned to original grade, but the shallow spread foundation would extend beyond the diameter of the tower by about 6 m, give or take a few metres (it depends on soil conditions). This foundation is all underground and crops can be replanted up to the turbine base. I know we'd need a permit to do this, but first I wanted to make sure we are able to do this at all. Please feel free to give me a call if you need clarification on any of this. Rochelle'	Rochelle Rumney	
Mat Leblanc	email	11/05/10	"Hi Rochelle, 1 - You can develop within the 15m but you need a permit to do so. 2 - When it comes to floodplain, we look at the flood storage capacity of the lot. So we would want to make sure that any development within the floodplain would not affect this capacity negatively. Let me know if this makes sense or not!! Cheers Mat"		
Mat Leblanc	phone	11/11/10	I have attached the permit that we need to complete for SNC. We'll need engineered drawings of the drilled crossing and any construction within the regulation area and/or floodplain. They are mostly concerned with depth of drilling, soil type and frac-out plans. He's going to figure out if we need multiple permits, or submit them all as in one permit application. He also told me about building foundations within the floodplain. We have to be able to prove that it doesn't significantly alter the drainage/infiltration of the floodplain. We need an expert, either a hydrologist or engineer or the like to be able to assess it and state whether it is significant or not. Mat suspects that since it just one partial foundation in the floodplain, it wouldn't be significant, but we need some expertise on this.		SNC Permit.pdf

Contact Name	Method	Date	Message	Message Sender	Attachments
Mat Leblanc	email	11/11/10	Hi Mat, As per our conversation this morning, are you also able to tell me the forest coverage for South Dundas Township on its own? I;d like the know the percentages for both the watershed as a whole and South Dundas on its own. I don't know if you have that information, but if you do, it'd be very helpful. Thanks again! Rochelle	Rochelle Rumney	
Mat Leblanc	email	11/11/10	Hi Rochelle, Unfortunately, SNC's forester is presently on Paternity Leave, so I don't have the answer now, but I will see what I can find. Mat		
Mat Leblanc	email	01/04/11	Hi Mat, You'll be happy to know that just before the holidays, we managed to put together a pretty solid draft South Branch Wind Farm REA. We're sending it over to the SNC for review and comment. I have attached a letter of introduction and information for ftp access. We've decided at this stage in the process to just send it electronically, but if you want a hard copy, just let me know. We haven't managed to get the archaeology studies done, due to weather, but there is lots of review outside of that. We'll get that to you as soon as it is available. If you have any questions or have trouble accessing the ftp server, please let me know. Those things can be finicky sometimes. Thanks, Rochelle	Rochelle Rumney	SNC Draft REA Letter 2011 01 04.pdf
Mat Leblanc	email	01/10/11	Good morning Rochelle, Today's my first day back so I'm just trying to get back into things. Thanks for sending the info, we will have a look and get back to you with our comments and/or questions. Happy New Year!! Mat		
Mat Leblanc	email	02/14/11	Hi Rochelle, Do you need our comments by a certain date? Thanks Mat		

Contact Name	Method	Date	Message	Message Sender	Attachments
Mat Leblanc	email	02/14/11	Hi Mat, Good timing. I was just sending out emails about the REA review to other agencies. I'll actually be in the area Feb 28th-Mar 2 and am contacting agencies to see if a meeting at this stage would be valuable. If you've had a chance to review the REA or a portion of it and have questions, concerns or need clarifications, now might be a good time to sit down again and go over some of that stuff. If you think this would be valuable and are free any time during those dates, let me know. As for a deadline for comments, if there are changes to be made based on your comments, we would like them by mid- March. If no changes are required to the reports, we would be fine with the comments at the end of March. We're hoping to submit the final REA to MOE by mid to late April and this just gives us a good buffer for getting all the comments back. Will that be enough time? Let me know if you want to get together at the end of the month. It might be nice just to reassess timelines and update you on the project. Thanks, Rochelle	Rochelle Rumney	
Mat Leblanc	email	03/01/11	Hi Rochelle, Sorry for not getting back to you sooner. I don`t think a meeting is necessary right now, but don`t hesitate to stop by the office if you want to discuss the project. I`m presently going through the report right now and I will forward my comments ASAP. Cheers Mat		
Mat Leblanc	email	03/24/11	Hi Mat, I'll be in the area again early next week (sorry for the short notice) if you have any questions or want to meet to discuss South Branch Wind Farm REA review. I'll also be around at the end of April if that is preferable. If you don't have any questions or comments, a meeting isn't necessary, but I think they are always valuable. I'll leave it up to you. How is the review coming along? It's a big document and I imagine a bit dry at times. Lots of coffee. Take care, Rochelle	Rochelle Rumney	
Mat Leblanc	email	03/25/11	Hi Rochelle, Thanks. I've been out of the office all week on training, so I haven't gotten a good chance to finish reviewing the document but I'm getting there. I will hope to have something for you next week. Cheers mat		

Contact Name	Method	Date	Message	Message Sender	Attachments
Mat Leblanc	email	06/24/11	Hi Rochelle, I will have something for you by Monday. I'll be finishing reading the report this weekend. Sorry for taking so long. I'm finally caught up over here. Thanks Mat		
Mat Leblanc	email	07/08/11	Hi Rochelle, I don't have much to add but please see my comments attached.. I guess the main things are: - That a permit from SNC will be required if any work is proposed within 15 m inlnad of the 1:100 year floodplain and within 15 m (top of bank) from any watercourse (horizontal drilling will also require a permit); - Stockpiling of material should be done outside of the floodplain; - At a minimum, SNC should be consulted for the desing of the culverts, the discharge ponds and for the mitigation measures. Let me knoe if you need anything else. Sorry again for the late reply. Thanks. Mat		SNC comments.xls
All agency contacts	email	08/01/11	Hello All, I'm pleased to report that the updated Draft REA reports for South Branch Wind Farm are now available on our project website. You may download some or all of these reports as needed. http://www.prowind.ca/?page=projects-south-branch Please let me know if you would like me to provide you with a CD of the reports or if you have any difficulties in downloading this information. We welcome your comments on any aspect of this project. Thank you in advance for taking time to consider the proposed project. Kind regards, Cathy	Cathy Weston	
Mat Leblanc	email	03/09/12	Hello Mat, In response to the comments you provided to us on July 8, 2011 regarding the South Branch Wind Farm REA, we have prepared the following letter, attached. Please let me know if you have any questions. Thanks very much, Rochelle	Rochelle Rumney	2012-03-19_South Branch REA_SNC update.pdf

Meeting Summary

South Nation Conservation **Tuesday, April 29, 2008**

Nathan Farrell
Watershed Planner

Mathieu Leblanc
Planning Assistant

- Development in the flood plain is generally not recommended, but can be permitted. This may require and involve more processes.
- The South Nation Conservation (SNC) participates in the comprehensive zoning by-laws, but the final decision does not rest solely on their conclusion.
- The soil within the flood plain is fairly stable, does not contain much sand (mostly clay), and has a bedrock approximately 20 metres below.
- Areas to avoid are the wetlands and top north east portion of the Brinston farm region due to organic soil. This type of soil is unstable, thus development may sink. There is a preferred clearance of 120 meters from the wetland area (Winchester Bog) before development commences.
- There are 10 municipal drains within the Brinston area, and the river has been dredged.
- Through the SNC's own studies, there is a 1% change of flooding within the flood plain. However, flooding may not occur for several years. The estimated height of water flooding is 1 meter.
- Prowind needs to contact the municipality and/or township first with the application of for zoning approval. Then SNC will request and review the application. Various environmental studies will be requested at the expense of Prowind, such as a flood plain study and possibly an environmental impact assessment. The flood plain study is important in assessing whether development will change the volume of the flood. Some specific geotechnical and water course engineering will most likely be required.
- In Nathan's opinion, the largest hurdle Prowind may face is the County designation of prime agricultural land (an Official Plan issue).
- There is a one-time $100 administration charge and $30 fee per map should Prowind wish to acquire SNC data.
- Both Mr. Farrell and Mr. Leblanc indicated they are very willing to cooperate with Prowind.

Meeting Notes
Prowind Canada and South Nation Conservation
South Branch and Kerr's Ridge

Date: January 12, 2010, 1:00 pm – 2:00 pm
Location: South Nation Conservation Office, 38 Victoria Street Finch, ON
In attendance:
Prowind Canada – Rochelle Rumney, Catherine Weston
South Nation Conservation – Mathieu Leblanc, Sandra Mancini, Geoff Owens

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Mathieu LeBlanc will be the main contact for all correspondence with the CA. He should be included on all correspondence.

Maps were presented of the general project areas. Rochelle will provide Mathieu with shapefiles defining the project areas for South Branch (brinston / boundary) and Kerr's Ridge (Castor River) and a formal request for data in GIS shape files containing the natural feature, waterway, flood plain and any other data of interest.

There will be costs associated with providing this GIS data, but the CA does not anticipate any problem.

Once the site plans, or at least finalized layouts with roads and cabling are established, Prowind will request a second meeting with the CA to discuss requirements for Permitting. The CA requires permits for any portion of the project that lies within the SNC consultation area – this is within 15 m of any natural resources of interest. Assuming the requirements are straightforward, SNC provided an estimate of 2-3 weeks turnaround for permits to be issued.

SNC commented that their main concerns are with the establishment of buildings, or solid structures (such as foundations), and that roadways or cabling would not be as concerning, assuming that no change to the drainage patterns would be introduced. Man-made structures, such as ditches, that were more than 75 m from a natural waterway would not be of concern, nor require permitting.

It is not clear how the REA and CA permit processes are intertwined.

South Nation Conservation (SNC) and Prowind Canada Inc. (PCI)
Meetings Notes

Date: Tuesday, June 15, 2010, 2:00 pm to 2:40 pm

Location: South Nation Conservation Office, Finch, ON

Attendees: Sandra Mancini, Mat Leblanc, Cathy Weston, Juan Anderson, Rochelle Rumney

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Updates

- Kerr's Ridge Wind Farm did not receive a FIT contract and therefore this project is on hold indefinitely.

- South Branch (SB) Wind Farm did receive a contract and is moving ahead

    - The SB project is a 30 MW wind farm and will be permitted for 15 turbines with the possibility of building fewer than 15 if larger (> MW) turbines are chosen.

Mapping

- SNC can possibly provide PCI with a soil map, or a source of this information

- Floodplain mapping was received in March. The data for the rest of the mapping is owned by MNR and not able to be distributed by SNC. However, SNC will be able to tell us where to obtain this data.

- Mat has agreed to receive a list of mapping needs from PCI and either provide mapping or provide a contact/link where PCI can obtain data.

- Floodplain mapping we received includes watercourse data

Permitting

- Confirmed that it is ok to build roads and bury cabling within the floodplain as long as drainage patterns are not changed. This will require a permit. No permanent structures are allowed within the floodplain.

- The locations of roads and cabling are not yet determined and will be decided in consultation with the landowners.

- A permit is required for any construction within 15 m of the floodplain. The regulation area is the greatest hazard area plus 15 m.

- There is a 15 m (from top of bank) setback from all watercourses including municipal drains.

- Permit requirements for water crossings - SNC considers quality (sediment and erosion control) and quantity (culvert size). Water crossings will require permits and SNC evaluates for water quality and quantity change.

- Mat will send PCI a link and pdf of the appropriate permits.

- PCI may require the construction of a temporary or possibly permanent building for wind farm staff. This office will be located outside of the floodplain.

- Additional permitting may be required for directional boring (depends on location). If under a stream a frac-out plan may be necessary and guidance can be found on the DFO website.

- Permitting may be required for a cement wash pond, depending on location. It will not be placed next to a watercourse or within the floodplain.

- There is typically a 2-week permitting turnaround, if permits contain all necessary information.

Field Investigations

- When field investigations are organized, PCI will be sure to contact SNC to see if they have completed similar field work in that area or are interested in partnering. Sandra knew of several streams in the area that have been searched for Species at Risk (SAR). Sandra will email names of streams to PCI.

- If SAR are located, discuss mitigation measures with SNC as they might have ideas or programs in place elsewhere.

- Significance of natural features may be available in the Official Plan for the township/county.

Next Steps

- PW will send SNC the Project Description Report (PDR) when available, hopefully with the next few weeks.

- We tentatively hope to plan an Open House in the end of July, beginning of August. There will be a 30 day notice period and SNC will receive this notice.

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 4, 2011

South Nation Conservation
38 Victoria Street
PO Box 29
Finch, ON K0C 1K0

Attention: Mat Leblanc, Planning Assistant
Reference: South Branch Wind Farm Draft REA Review

Dear Mr. Leblanc,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed. This will be completed as soon as seasonally possible and provided to you at that time. Hopefully, this omission does not impact the majority of the review process.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719
rrumney@prowind.ca

From: Mathieu Leblanc Mleblanc@nation.on.ca
Date: Friday, July 8, 2011 3:34 PM
To: Rochelle Rumney rrumney@prowind.ca
Subject: RE: comments
Attachments: SNC comments.xls

Hi Rochelle,

I don`t have much to add but please see my comments attached..

I guess the main things are:

- That a permit from SNC will be required if any work is proposed within 15m inland of the 1:100 year floodplain and within 15m (of top of bank) from any watercourse (horizontal drilling will also require a permit);

- Stockpiling of material should be done outside of the floodplain;

- At a minimum, SNC should be consulted for the design of the culverts, the discharge ponds and for the mitigation measures.

Let me know if you need anything else. Sorry again for the late reply.

Thanks

Mat

Mathieu Leblanc
Planning Assistant
P. O. Box 29
38 Victoria Street
Finch, ON K0C 1K0
Telephone: 613-984-2948 ext. 303
Fax: 613-984-2872
Toll Free: 877-984-2948
Mleblanc@nation.on.ca <mailto:Mleblanc@nation.on.ca>
www.nation.on.ca <http://www.nation.on.ca/>

Project Description Report			
Page 4	Seems that there will be 2 locations were burried cable will need permits		
Page 7	Table 1: Permit should be for development and/or site alteration wihtin regulated area		
Page 12	Any access road crossing a watercourse will require a permit		
Page 14	In scheduling activities, do not forget timing window of March 15 to July 1 (no inwater work)		
Page 15	Design of culvert should be reviewed by SNC for approval		
Page 16	SNC should review the stormwater/sediment pond/washing pad plans		
Page 18	Underground collection system going under streams shall require permit from SNC		
Page 24	Topsoil stockpile should be stored outside 1:100 year floodplain		
Page 34	All development and/or site alteration within regulated area (watercourse, FP, etc) will require permit from SNC		
Natural Heritage Assessment Report			
Page 7	Table 2: Fish species information was also requested and given		
	Floodplain is the sole responsibility of CA's		
Page 8	Explain last paragraph were it states that no fish and fish habitat info was recorded by MNR wihtin 120m of project site.		
	Several streams are within the project area (ie SNR)		
Page 30	5.3.2: South Nation River not Nation River		
Page 58	Any work within 15m of a watercourse needs a permit from SNC		
Page 81	Fish Habitat should be also be considered		
Water Assessment Report			
I guess the thing to remember here is that any development proposed wihtin 15m of an existing watercourse shall require a permit			
from SNC (this includes but is not limited to culvert installations and replacements, horizontal drilling, road access upgrades, etc.).			
Construction Plan Report			
Page 5	Will have to figure out how much volume the stockpiles will amount to (for roads and cement pads and foundation)		
Page 10	If water exceeds 50 000L will need to contact MOE		
	All settling ponds should be located outside of 1:100 year floodplain and away from watercourses		
Page 20	Table 2: Access Road Construction should also inclued watercourse impact (shoreline alteration) since culvert may		
	need to be installed;		
Page 27	5.5.3: Consultation with SNC should be part of the mitigation measures		
Page 32	5.9.3: dishcharged water shall also be directed away from watercourses		

Page 33	5.10.3: Last paragraph should read "Water discharged during the dewatering of the foundations will not be discharged		
	directly into surface watercourses..."		
Decommissioning Report			
page 2	4: As mentioned before, any stockpilling should be placed outside of 1:100 year floodplain		
page 8	8: A permit from SNC will also be required if any work is proposed wihtin 15m inland of the 1:100 year floodplain		

APPENDIX H2

CONSULTATION WITH MINISTRY OF NATURAL RESOURCES

Correspondence with Ministry of Natural Resources					
South Branch Wind Farm					
Contact Name	**Method**	**Date**	**Message**	**Message Sender**	**Attachments**
Sarah MacHardy	email	5/13/08	Dear Sarah: M. K. Ince and Associates Ltd. and Prowind Canada Inc. are pleased to submit the Notice of Commencement of Environmental Screening for the South Branch Wind Farm and the Brinston Wind Farm. These two small wind projects are located near Brinston in Dundas County, Ontario. Both projects are proposed to have a nameplate capacity of 10 MW, and will include wind turbines, access roads, overhead and underground power lines, and a small switching substation. The enclosed notices indicate the study area for both projects. At this time, we would like to request any information that you might have regarding raptor and bat populations near the project area, and to inquire about any concerns the MNR might have for bird and bat species that fall outside the CWS' area of responsibility. We are also interested in any information that your office might provide on local natural heritage features, habitat, and species at risk. Spring migration avian surveys for both projects are currently underway, breeding bird surveys will begin in early June, and bat monitoring is scheduled to begin in August. Any information you can provide prior to the upcoming field work would be appreciated. Thank you in advance.	Jacinta McNarin	NOC
Sarah MacHardy	letter	5/13/08	see letter on file	Sarah MacHardy	MNR_Brinston_SB_2008-05-13.pdf
Sarah Nugent; Mary Van Sleeuwen	email	8/12/09	Hello Mary and Sarah. It was great to finally meet you Tuesday. From our standpoint the meeting was very productive and certainly provided us with a better understanding of MNRs perspective, concerns and interests regarding our wind farm development projects. Thank you for taking the time to talk with us. As promised, please find attached our proposed protocol for conducting raptor (and other birds) monitoring at the eastern Ontario project sites this fall. We hope to begin the work later in August, early in the migration period. The protocol was largely adapted from the larger four season protocol that was provided to you earlier. In that protocol, we judged the eastern Ontario sites to be of low sensitivity due to the restriction of the projects to intensively farmed agricultural land (thus eliminating the need for any habitat clearing), the large distance from known raptor migration corridors, and the small size of the wind farm projects. The one exception may be the Marlborough site, which is relatively close to the edge of Marlborough forest boundary, although more distant from the important elements such as the fens and ponds within the forest. I look forward to your review of the protocol and hope that you find it suitable. Best regards, Dan	Dan Busby	Prowind Eastern ON Projects MNR 2Jun09.doc
Mary Van Sleeuwen	email	8/13/09	Hi Dan, Thanks for putting together the description of your monitoring protocol. It will certainly make things easier when I review things with folks at the region. I hope to have a response for you before the end of next week. Mary	Mary Van Sleeuwen	
Sarah Nugent; Mary Van Sleeuwen	email	8/17/09	Hello, It was great to meet with all of you last week. It's nice to put a face to the name finally and get some cohesion ot all the conversations we've been having. Just for your reference, I wanted to pass along the notes I took at our meeting last Tuesday. I put them together for our office and thought I'd pass them along to you as well. One thing I didn't catch was Rick's last name. If you'd like to add anything in or correct anything, please let me know. Take care, Rochelle	Rochelle Rumney	MNR Meeting Minutes 2009 08 11.doc
Sarah Nugent; Mary Van Sleeuwen	email	8/26/09	Hi there, As per comments received from Mary on the minutes of our previous meeting, I have updated the recorded minutes. I've attached the file for your reference. Thank you, Rochelle Rumney	Rochelle Rumney	Updated MNR Meeting Minutes 2009 08 11.doc

Contact Name	Method	Date	Message	Message Sender	Attachments
Sarah Nugent; Mary Van Sleeuwen	in-person	8/11/09	see meeting notes on file	Dan Busby, Rochelle Rumney	MNR Meeting Minutes 2009 08 11.doc
Tanya Pulfer	email	9/18/09	Hello Dan – Mary has been away from the office for the past couple of weeks. I apologize for my delay in responding to your Environmental Assessment. I have reviewed the EA, as well as conferred with Mary prior to her absence. The EA has a lot of great information in it. We have a couple of comments: Table 3.1: Section 4.6: There is a large waterfowl staging area adjacent to the NE corner of the South Branch site, along South Nation River (ID: 251216767 EFF_Date = 1998. Information was provided for this waterfowl area in a letter dated February 10, 2009. Species Surveys: We cannot provide our assessment of surveys until they are complete. However, we would like to know how the summer migration survey went and how the fall migration survey is going. Also, there have been updates/changes to the Species At Risk Ontario list after the last COSSARO meeting. I believe I sent these out to you and your associates. However, you can refer to a news release at the following link for more information. http://www.mnr.gov.on.ca/en/Newsroom/LatestNews/275968.html Species to consider in the area of work are: Chimney Swift (T), Whip-poor-will (T), Olive-sided Flycatcher (SC), Common nighthawk (SC), and Canada Warbler (SC). You may also note the downlisting of Bald Eagle from Endangered to Special Concern. Let me know if you have any questions or would like to discuss anything further.	Tanya Pulfer	
Tanya Pulfer	email	9/22/09	Hello Tanya. Thanks for your update. We are aware of the waterfowl staging area on the South Nation River. Our surveys were implemented with that area in mind. The summer breeding season work went well. It was carried out in June. The fall migration work is well under way, having started at all three sites (Beckwith, Marlborough and Brinston/South Branch) in late August. You may recall that the Upper Canada site was completed last year. As I am sure you are aware, the major burst of Broad-winged Hawk and Sharp-shinned Hawk movements is largely over now and our field crew have reported extremely small numbers of them at all of our sites. Also, very small numbers so far of all other raptors. The surveys will run until late October or early November, depending on migration phenology. We will proceed to completion of the fall surveys, after which full reports of all the bird work will prepared and submitted. The bat project is also going very well. The weather has cooperated very well this year (unlike last year where there were very few survey-acceptable nights through July, August and September). I have little day-to-day involvement with that work but I get regular updates from EchoTrack and all is reported to be on track and no outstanding or concerning observations have been made to date. I have noted the updates to COSSARO. Thanks. Having been a co-author on the Chimney Swift COSEWIC report I am a keen follower of its status and that of the other aerial insect feeders. All for now, we'll be in touch. Please call or write if you want additional information or updates.	Dan Busby	

Contact Name	Method	Date	Message	Message Sender	Attachments
Amy Cameron	email	5/28/10	Hi Amy, I work for Prowind Canada, a wind developer located in Kemptville, ON. Colleagues of mine, Rochelle Rumney and Dan Busby visited with Sarah Nugent in the summer of last year to discuss strategies for site investigation at some of our wind farm projects. I have been told that you're taking responsibility for renewable energy project review now that Ms. Nugent is on maternity leave. I hope this is correct. If not, please let me know who I should connect with at MNR. Now under the Green Energy Act and the REA process, we are preparing to release our Project Description Report for the South Branch wind farm, which was awarded a FIT contract last month. Before we send out materials, I wanted to confirm that you're the right person to contact, and your preferred method of communication (email, or hard-copy) for document review. Thank you in advance, Cathy	Cathy Weston	none
Jim Fraser	phone	6/2/10	Spoke with Jim Fraser at the MNR Kemptville district office. His name was given to us through Sarah Nugent's out of office reply. We're one of 20 or so projects with FIT applications in the area. The process they are working with currently is a preliminary information request form that will help us with the field work. They would like us to do the field work first and then meet with them to discuss findings. It will help us to have some basis for discussion instead of theoretical conversations.	Rochelle Rumney	
Information Request	email	6/3/10	Hello, As per my conversation with Jim Fraser earlier this week, I have completed an information request form. This is for the previously submitted and discussed South Branch Wind Farm, near the community of Brinston, in the Township of South Dundas. Please see attached map. We have met with Sarah Nugent, Mary Van Sleeuwen and Tanya Pulfer in the past and submitted a Draft ESR when that process was still in effect. If you have any questions or require further details, please do not hesitate to contact me at 905 745 4719. Thank you, Rochelle Rumney	Rochelle Rumney	Kemptville MNR Natural Areas Data Request Form - 2010 06 03.pdf
Amy Cameron	email	6/7/10	Cathy – sorry for the delayed response – I will be meeting with Kemptville District staff tomorrow and I will get you a contact name for who you should work with for this project. I will certainly be involved in the file but I am not sure if I will be the lead. I'll firm this up with you on Wednesday morning. Amy Cameron	Amy Cameron	
Heather Zurbrigg	phone	6/23/10	Spoke with Heather Zurbrigg at the MNR . Discussed bat monitoring. As long as we follow the guideline with for the post-construction protocol, then it should be acceptable to the MNR. The trickier part is pre-construction. We discussed the MNR's focus on "Significant Wildlife Habitat". Reports will be updated accordingly I also asked her about bat carcasses. She says we should be able to collect enough bats to cover our trials, otherwise we can use brown birds or brown chicks. The bird guideline is set to come out in draft form on the EBR in about a month. It is similar to the bats, but with a longer monitoring window. Our strategy to combine the protocols is preferred since they us the same method. This report should be contained be within the environmental effects monitoring section. They are also creating a Natural Heritage Assessment guideline. Heather put a big emphasis on ELC (ecological land classification). She's going to look into any other options and get back to me. They want us to assess the land classification and determine if it's suitable for wildlife habitat and then do a site investigation to see if it's significant.	Rochelle Rumney	

Contact Name	Method	Date	Message	Message Sender	Attachments
Amy Cameron	email	6/28/10	Cathy, Please submit your Project Description Report for South Branch Windfarm to Jim Fraser, Area Supervisor in MNR Kemptivlle District. I've copied Jim so you will have his email address. Thanks, Amy Cameron	Amy Cameron	none
Amy Cameron	email	6/29/10	Thanks Amy. Hi Jim – I think my colleague Rochelle Rumney has already contacted you with details of the South Branch project. We will provide the project description report and an invitation to the upcoming open house meeting within the next couple of weeks. Cathy	Cathy Weston	none
Mary Van Sleeuwen	email	8/18/10	Hi Mary, I'm just rereading the info that we received back from the Info Request it mentions two wildlife areas within proximity of the project. One is a waterfowl staging area in the NE area of the project and the other is a walleye spawning area in he NNE area of the project. Are we able to get any more specific information on these areas, maybe a UTM coordinate? I believe we've talked about the staging area before, but it'd be good to have that info again. Thanks so much. Take care, Rochelle	Rochelle Rumney	
Mary Van Sleeuwen	email	8/20/10	Hi Rochelle, I have attached a map showing the locations of the waterfowl staging area and the walleye spawning area. Unfortunately I do not have any more specific information on these features other than that the staging area was identified in 1997 and the walleye spawning area was identified in 2001. Here are a couple of notes regarding the map: Just as an FYI, I also included the locations for two deer yards in the vicinity of the proposed site, though these are well beyond the setback and should not be negatively impacted by the development The 'low sensitivity' attributed to the spawning habitat refers to data sharing sensitivity and does not reflect any assessment of sensitivity to environmental impacts etc. If you have any questions or concerns, just let me know. Cheers, Mary	Mary Van Sleeuwen	map of staging areas
Mary Van Sleeuwen	email	8/23/10	Hi Mary, I just wanted to get a bit more information about this waterfowl staging area if possible. We've been out to the area a couple of times so far this season and haven't seen anything noteworthy. Do you know what sort of species are expected to be here? And maybe what it is likely that they are doing here? We expect it is a good place to have a snack, based on the location next to agricultural fields and the absence of features preferred for roosting and protection. Because we haven't seen anything, we're wondering if we need to change our approach and this can be best determined with a bit more information, primarily the species expected to stop here. If nothing else, the source of this identification as a staging area might be helpful. Thanks very much. I hope you had a great weekend. Rochelle	Rochelle Rumney	

Contact Name	Method	Date	Message	Message Sender	Attachments
Mary Van Sleeuwen	email	8/24/10	Hi Rochelle, As I mentioned in my last email, unfortunately we do not have any additional information on the staging area. Many of the wildlife habitat observations in our database have come from Conservation Officers while out on patrol and the older observations often do not have a lot of detail associated with them. It would be worth checking with local landowners, Ducks Unlimited, CWS, and/or local naturalist clubs etc. to help determine current species and habitat use. In case you do not already have it, I have attached a copy of the Draft SWH criteria for Ecoregion 6E and this describes the characteristics of terrestrial and aquatic waterfowl staging areas and criteria to be used in assessing their significance. I hope this helps, Mary	Mary Van Sleeuwen	Draft SWH Ecoregion Criteria.pdf
Allen Bibby	email	8/25/10	Hi Allen, Thanks for getting back to me. As discussed on the phone earlier we are working on a wind farm REA for the South Branch Wind Farm. We require mapping for the Township of South Dundas within the United Counties of Stormont, Dundas and Glengarry. I forgot to mention that we have a small parcel of land (west of Byker Road, see attached map) that is within the Township of Edwardsburgh/Cardinal within the Counties of Leeds of Grenville for which we will also require mapping. I have attached a map of the project area for a more specific idea of what land we're looking at, if that is helpful. Please let me know if you require more information. I can be reached at any time by phone or email. Thanks again, Rochelle	Rochelle Rumney	
Allen Bibby	email	8/26/10	no content - just attachments	Allen Bibby	NH_Edwardsburgh.pdf; NH_Matilda.pdf
Heather Zurbrigg; Amy Cameron	in-person	12/3/10	see notes on file	Rochelle Rumney	
Heather Zurbrigg; Amy Cameron	email	12/6/10	Hi Heather, Thanks again for meeting with us last week. I found the information helpful and the general feedback encouraging. I have gathered the project location shapefile and attached it to this email. We discussed that this can be given to your GIS data coordinator to crop the GIS information to the specific project area. Let me know if this file type is appropriate. If not, we can work something else out. Additionally, we talked about getting information from you regarding significant woodlands (evaluation details and GIS layer), your review checklist, and maybe an updated EC contact name. You mentioned it might be a few days before we get this, and that's ok, I'm really going over this for my own benefit and to make sure I didn't miss anything. I did find some past correspondence with EC, back in Aug 2009; we spoke to Sheryl Lusk. At the time she wasn't too interested in reviewing the EA, but did request that we send her the results of the avian studies. I'll contact her again with this information and let you know how it goes. If there is any other information you need from us right now, please let me know. We're aiming to have the draft reports to you by early next week. Thanks again. I hope you're enjoying the snow over there. Take care, Rochelle	Rochelle Rumney	project area shape files
Heather Zurbrigg; Amy Cameron	email	12/15/10	Hi Rochelle, Here is the checklist for NHAs. Hope this helps you a little bit. I have been sick for the past week and a half. I will address the rest of what we had promised to get to you as soon as I am able. I am so sorry for the delay! take care, -Heather	Heather Zurbrigg	NHA Checklist for NHAG industrysession.doc

Contact Name	Method	Date	Message	Message Sender	Attachments
Heather Zurbrigg; Amy Cameron	email	12/16/10	Hi Heather, We've been working hard for the last few days and have managed to finalize our draft REA for the South Branch Wind Farm. I have attached an introduction letter to this email that presents to draft report to the MNR. The REA reports are on an FTP server for you. The access information is below. Host address: prowind.ca If you have any problems with accessing this info, let me know. These things are finicky sometimes. We are still interested in the information you were going to send over from our meeting the other week. We will use it to cross reference the information we have and have presented to you. I'm sure there will be many changes between this version and the final version, so we might as well start as soon as we can. I hope you're feeling better. Have a great holiday if I don't talk to you before then. Take care, Rochelle	Rochelle Rumney	MNR Draft REA letter 2010 12 16.pdf
Erin Thompson; Heather Zurbrigg	email	1/18/11	Hi Erin and Heather, I have some questions regarding the content of the significant woodland data you sent to us. I wasn't sure who would want to answer these, so I sent it to both of you. I have referenced the woodland with the letter used in the our Natural Heritage Assessment Report, but have also described them using other topographic features, so you don't have reference our maps. I hope that makes sense. If you need any clarification of these questions, feel free to call me, 905-745-4719. Thanks for your help. Rochelle 1. The woodland south of Oak Valley Road and east of Brinston Road (labeled A in our reports), is identified as significant within the "mnr sigwoods" layer, but does not seem to contain any criteria for significance. None of the other layers highlight this woodland as significant. Can you explain its significance, or verify that it is actually not significant? 2. During our ELC surveys we did not find any rare species within any of the woodlands, but it is identified in the MNR data as being located within two woodlands. These woodlands are: South of Gilmour Road and east of Branch Road (woodland F) West of Byker Road (woodland N) - this appears to just be rare species support area, and no identified rare species Can you identify what rare species are found in these locations? Specifically relating to woodland N, Is a woodland considered significant with rare species support habitat, but no rare species? Can you just elaborate on this instance please? 3. Your data identified many more woodlands with the "proximity" criteria met, than identified in our analysis. Can you explain how this was established and what you are looking at for this criteria? Specifically, you listed woodland C, D,F, G, M to have proximity significance, whereas we only identified M and B. 4. Two woodlands identified for riparian protection function no longer contain a watercourse, they are grassed or tiled. This was established during site investigation. Can this criteria be eliminated from the evaluation with the information found in the water assessment report?	Rochelle Rumney	
Heather Zurbrigg; Amy Cameron	email	3/4/11	Hi Rochelle, I'm sorry to let you know that we have been delayed a bit in terms of our reviews on the NHA reports. We'll be getting to the Prowind report likely closer to the end of March. Please touch base with me if you will be in town again any time soon! Take care, Heather	Heather Zurbrigg	

Contact Name	Method	Date	Message	Message Sender	Attachments
Heather Zurbrigg	email	3/29/11	Hi Heather, We've talked internally regarding the bird/bat monitoring plan and I think we'll leave it as is for now until we've heard your feedback. We can discuss our thoughts when we organize a conference call next week. As for the conference call, does sometime next Thursday or Friday work for you? Cathy can come by the office and meet with you, and I can maybe call in? I know we have the capability to do that at our office if you'd like to meet here. Let me know what works for you after you've met with Amy. We're pretty open for anytime at the end of next week. Thanks Heather! Rochelle	Rochelle Rumney	
Heather Zurbrigg; Amy Cameron	email	4/5/11	Hi Rochelle, Would this Thursday afternoon work for you folks? Amy will be calling in from Pembroke, and if you let me know where the Prowind office is, I might be able to join Cathy for the call. I am hoping I'll get to have a quick look at some of the report before then, but Amy will have been able to go over at least a section or two in detail by then. We'll be able to have some discussions, and we'll be able to address any further questions you might have. I'm sorry we haven't been able to meet and review the reports in full detail yet, it feels like I keep promising you timelines and I've bitten off more than I can chew. I think with the process being so new, we truly aren't sure how long these things will take and how much time it takes to get through that ever present 'stack on our desks'. So I do apologize. Let me know what will work. Cheers, Heather	Heather Zurbrigg	
Heather Zurbrigg; Amy Cameron	email	4/7/11	As discussed. Please let me know if you have any questions about this Thanks, Heather	Heather Zurbrigg	scoped NHA wetland evaluation for consultants.doc
Heather Zurbrigg; Amy Cameron	email	4/7/11	Thanks for sending this document Heather, and for taking time to meet with us today. I was able to pull the records from our avian field monitoring in April / May 2010 at the project site. As you saw in the Pre-Construction monitoring report, we had 4 observations of during the spring survey. Each of these occurred on a separate day in May, and I've copied the field notes from these days into the attached pdf file. It gives survey coordinates and field conditions, along with observation notes. I will have to see if we can pull the field records from the 2009 surveys (again 4 separate observations are noted in the bird report for 2009), but these will need to come from our consultants at the time, so may take longer to compile. I don't believe there were any other endangered species encountered, but if I find otherwise, I'll see if I can compile those records for you too. I hope this helps. Cathy	Cathy Weston	Field Notes_spring 2010.pdf
Heather Zurbrigg; Amy Cameron	email	4/7/11	Thanks! And it would be great if you can get those other records for us Cathy - thank you! And thanks too for meeting with us today, we'll have more information for you with respect to any further NHA and SAR surveys that may be required by the end of the month after our internal MNR discussion in a couple of weeks. Talk soon, -Heather	Heather Zurbrigg	

Contact Name	Method	Date	Message	Message Sender	Attachments
Heather Zurbrigg; Amy Cameron	email	4/7/11	Here are the items that you need to provide solid details about for Significant Wildlife Habitat. You will need 3 main documents: Significant Wildlife Habitat Technical Guide + Appendicies (available online at http://www.mnr.gov.on.ca/en/Business/FW/Publication/MNR_E001285P.html) Criterion Schedules for the appropriate area (off the top of my head I think it is in 6E-16, but you should double check) Decision Support System (also available online at http://www.mnr.gov.on.ca/en/Business/FW/Publication/MNR_E001285P.html) Other documents such as Partners in Flight act as guidance to help determine what bird species should be considered species of conservation concern under the SWHTG. Therefore "Partners in Flight" should not have its own heading in the NHA reports as it currently does, rather the information gained from that document should be embedded into the Significant Wildlife Section of the report (see rough outline attached of all the wildlife habitats that need to be discussed). The expectation is that each item in the SWHTG will be addressed in SITE INVESTIGATION and the following details provided: A description of the what the habitat is (so that we know you were looking for the right thing) Information about whether or not this type of habitat may be found onsite. If there is potential based on a desktop exercise, a field visit should be done to confirm the presence/absence of the feature. If the feature is present there needs to be a discussion in the EVALUATION OF SIGNIFICANCE REPORT. in the site investigation report a map of "candidate" SWH needs to be provided and all candidate features need to be shown in the evaluation of significance report a map of "significant" and "provincially significant" features must be shown This should get you started. If you have any questions please let me know.	Amy Cameron	Significant Wildlife Habitat.doc
Heather Zurbrigg; Amy Cameron	in-person	4/7/11	in-person meeting	Rochelle Rumney, Cathy Weston	
Heather Zurbrigg; Amy Cameron	email	4/13/11	Hi Heather and Amy, Here are the meetings notes we've put together from our call on Thursday. I just wanted to send these over to make sure I hadn't missed or misinterpreted anything. Please have a look and let me know of any changes/additions you'd like to see. Thanks very much, Rochelle Rumney	Rochelle Rumney	MNR meeting notes 2011-04-07
Heather Zurbrigg; Amy Cameron	email	4/15/11	Hi Heather, As per my voicemail, here is a clearer description of my questions regarding amphibian breeding monitoring. Our ELC/general ecology consultant, Nigel Finney, mentioned yesterday in a meeting that amphibian breeding monitoring needs to be done now (I was actually out volunteering with him last night setting salamander traps for Jefferson Salamander monitoring). His approach to woodland amphibian breeding monitoring is this: Three field visits, one during each phase of the amphibian breeding period (one now to catch peepers, wood frogs, etc., one in a couple weeks to catch the frog species that will be calling then, and so on) Each stop in the field is at an area identified as potential amphibian breeding SWH, so wet, marshy woodland areas. Each stop is three mins in length to establish a quiet environment and then identify what types of frogs are calling and taking notes. The first visit needs to be done before the end of next week, I was told. Wood frogs will be done calling soon. I just wanted to run this by you, and see if the approach is appropriate. I don't even know if we'll be able to find anyone to do the first monitoring day at such short notice. Would I be able to do this monitoring? I can record what I hear for verification, but I can likely identify them. Is any specific expertise required for this task? Thanks very much for your help, Rochelle	Rochelle Rumney	

Contact Name	Method	Date	Message	Message Sender	Attachments
Heather Zurbrigg; Amy Cameron	email	4/18/11	Attached are the edits from our end. Overall the minutes captured the conversation. Just to give you an update, Heather and I will be meeting with Shaun (District Ecologist) and Emily (SAR biologist) tomorrow afternoon to discuss the report and identify gaps. You will likely have a letter from us by the middle of next week to discuss next steps and we can then book a date to meet face-to-face.	Amy Cameron	MNR meeting notes 2011-04-07_revised by AC
Heather Zurbrigg; Amy Cameron	email	4/18/11	Hi Amy, Thanks for your feedback on the meeting notes. I've made those changes and I'll wait to see if Heather has anything to add before finalizing. I will be in Kemptville next week, so if it's possible to meet with you while I'm there, say Friday the 29th, that'd be perfect. I can always come back another time, if that is too soon. -- I've been trying to get in touch with Heather regarding some SWH monitoring we'd like to do this week. I tried to get in touch with Heather on Friday and again today, with no luck. Would you be able to have a quick look at the email below and offer any comments? I just want to make sure this monitoring is necessary and appropriate. Our plan was to go out tonight, but it's too cold (why is it snowing?). So hopefully, Wednesday or Thursday night this week. Thanks very much, Rochelle	Rochelle Rumney	
Heather Zurbrigg; Amy Cameron	email	4/18/11	Hi Rochelle, Amy and I had a look at the minutes of the meeting together. So no further comment from me. We think the protocols for the amphibian survey look good, and if you have hired a consultant that knows their stuff all should be fine. We are happy to ask Shaun Thompson, our district ecologist to verify during out meeting tomorrow and can have this back to you tomorrow afternoon, and certainly by your Wed. or Thursday. I'll give you a quick call after our meeting just to verify Cheers, -Heather	Heather Zurbrigg	
Heather Zurbrigg; Amy Cameron	email	4/18/11	Friday the 29th sounds good for a meeting. How does 10am sound?	Heather Zurbrigg	
Heather Zurbrigg; Amy Cameron	email	4/18/11	Great. I'll save those meeting notes with your comments then. Thanks. Yes, any feedback regarding the monitoring by tomorrow or Wednesday would be great. And just to clarify, our consultant wouldn't be going out with us to the South Branch site, he is in Guelph and not able to make it that far. We are trying to get someone for the South Branch site, but it's so last minute, we might not find anyone. Can we do the monitoring ourselves and also record what we hear so that the consultant can verify? And 10 am on Friday is perfect. Cathy and I will come to your office if that works for you. You have more people to round up this time. Thanks very much Heather. Rochelle	Rochelle Rumney	

Contact Name	Method	Date	Message	Message Sender	Attachments
Heather Zurbrigg; Amy Cameron; Rebecca Dixon, Jim Beal, Jim Fraser, Emily Verhoek, Shaun Thompson, Erin Thompson, Ken Durst	email	4/20/11	Hi Rochelle, Thanks for meeting with us last week via concall, and for your patience while Amy Cameron and I have had a chance to go over the report in more detail and have also been able to sit with the key Kemptville district staff to look at the report for this project. Several information gaps have been identified. Below is a preliminary look at what will need to be done, and some ideas as to where you might get relevant and necessary information. We can discuss in more detail when we meet next Friday. NHA Four big things we need to see at this time as a preliminary steps are: 1) -the whole area needs to be ELC'd – (or vegetation communities identified, we highly recommend ELC) this will include the entire area including laydown areas, road networks and the appropriate distance from the turbine (58m is the blade length you mentioned in the report) that is included in the project site area -- include also in the ELC the 120m buffer. – ELC vegetation communities identified will serve as a jumping off point for figuring out Significant Wildlife Habitat (SWH) as targeted surveys for specific SWH can be determined after looking through the criteria in the ecoregion criteria schedule for the SWHTG. The criteria cannot be ruled out if the site hasn't been classified as per it's ELC communities 9or appropriate veg communities). 2) OWES evaluation is required for the wetland communities as per the O. Reg. 359/09 that were flagged during the ELC and any other wetlands that might be found to be on site. 3) Please have a look at the Ostrander windfarm report, which is now a public document and is accessible online: www.gileadpower.com/ostrander_documents.htm <http://www.gileadpower.com/ostrander_documents.htm> This will give you all of the documents that you need and show the level of details required for the reports. 4) If you have more information that is not included in this report, eg: point counts, survey information… please include it. Species lists (and locations) are important for the site investigation and specific information on survey locations and methodology is very important to have as well. Regarding the amphibian survey you have proposed for this week. We strongly recommend that you have someone go out that is qualified to go on site to do the amphibian surveys. Based on experience, tape recordings are unreliable, you don't get the directionality of the calls, and tend to get much background noise. Please hire a qualified consultant who can go out next week to do the preliminary survey and any subsequent surveys. They will know the correct protocols and methodology for the surveys. Night time surveys should capture all species of frogs and toads, and salamanders must be searched for as well using a similar methodology you used in the Jefferson salamander surveys you were speaking about in one of your previous emails. The Natural Heritage Assessment Guideline (NHAG) is a good document to help you along this process also and will give you some ideas as to the rigour and the methodology involved in site investigation, evaluation of features and the level of effort involved. -amphibian surveys are addressed in this to give you some idea of methodology (as well as other surveys you will need to perform) Attached is the checklist of the requirements of the regulation, as you can see much information is still required in this report to meet the Regulation requirements. You have to remember also, that some of the natural features and their functions will extend beyond the 120m buffer. This will include wetlands, woodlands and SWH. If you have any questions or need clarification on any of this please let me know. I think the Ostrander report will be a big help to you in terms of what requirements and expectations we have in terms of the NHA report and level of effort and survey required. We can talk in detail about this next Friday when we have our meeting in Kemptville. Thanks,	Heather Zurbrigg	Prowind NHA Checklist.doc
Heather Zurbrigg; Amy Cameron; Shaun Thompson, Erin Thompson	in-person	4/29/11	see meeting notes	Rochelle Rumney, Cathy Weston, Ron Huizer (Beacon Environmental)	

Contact Name	Method	Date	Message	Message Sender	Attachments
Heather Zurbrigg; Amy Cameron;	email	5/3/11	Good morning, Thanks again for meeting with us on Friday. It was great to get some face time to go over all the feedback and changes that have been floating around. I wanted to pass along the meeting notes I took at Friday's meeting. We went through a lot of content, so I might have missed something. Please send me any corrections/additions, if you see any. I didn't sent this over to Shaun or Erin, but please feel free to if they are interested. I'm sure we'll be in touch soon. Thanks again. Rochelle	Rochelle Rumney	MNR Meeting Notes 2011-04-29
Heather Zurbrigg; Amy Cameron, Deborah Nizman	email	5/5/11	Thanks Rochelle, I have some information regarding the water crossings involved on the site and what might be necessary regarding work permits under the Public Lands Act. I think there will be directional drilling for all of the crossings involved, (?) but we will need crossing details for these locations in order to advise wrt methodology and to let you know if there will be a permit required. Crossing at Kirker Road Both crossings South of Snowbird Crossing north of Snowbird. I have cc'd Deborah Nizman who is the contact here for work permits under the PLA and you can contact her with any further questions wrt water crossings on the project site. Thanks! -Heather	Heather Zurbrigg	
Heather Zurbrigg; Amy Cameron, Deborah Nizman	email	6/5/11	Hi Rochelle, I'm not totally familiar with the punch and bore method. I know that directional drilling minimizes impacts on the watercourses (and potential Crown concerns) by avoiding crossing directly through the channel, and the review process may be more straight forward in that regard. If you have any information on the punch and bore method feel free to send it along. Generally, the least intrusive method would be preferred. Thanks, Deborah Deborah Nizman Resource Management Technician - Ministry of Natural Resources 10 Campus Drive, P.O. Box 2002, Kemptville, ON K0G 1J0 (613) 258-8526 | (613) 258-3920 | deborah.nizman@ontario.ca	Deborah Nizman	
Heather Zurbrigg; Amy Cameron, Deborah Nizman	email	6/5/11	Sounds perfect. I think I'll let Deborah speak to the method of crossing, as it's not my area of expertise. Thanks Deb! Hope you have a great weekend too! J -Heather	Heather Zurbrigg	
Heather Zurbrigg; Amy Cameron, Deborah Nizman	email	6/5/11	Ok great. When we have the details on those crossings we'll make sure to discuss them with you and start that permit process, if necessary. Is there a preference on MNR's side for type of crossing (directional drilling vs. punch and bore)? Have a great weekend, Rochelle	Rochelle Rumney	

Contact Name	Method	Date	Message	Message Sender	Attachments
Heather Zurbrigg; Amy Cameron, Deborah Nizman	email	6/5/11	Hi Rochelle, A work permit, if required under the PLA, takes a couple of months. It is not required for the signed confirmation letter of the completed NHA. It is an APRD issue, and it's Prowind's responsibility to make sure these authorizations are in place if necessary before MOE sign off, I just thought I'd let you know in case you weren't aware that there may be crown land on site. The crossings I flagged were the ones that would be potentially nagivable waters and therefore would be covered under the PLA legislation. I just wanted to give you the heads up so that you can provide details to us (Deborah) when you have them about the crossings, and we would see at that time if there was a permit needed. Just keep in mind to keep us in the loop regarding this matter so we can make sure all authorizations that may be necessary are in place before the final MOE sign off of your project. Please do let me know if you have any further questions about this or any other issue wrt your project. Regards, -Heather	Heather Zurbrigg	
Heather Zurbrigg; Amy Cameron, Deborah Nizman	email	6/5/11	Hi Heather and Deborah, What sort of crossing detail are you looking for at this stage? We won't have engineering details until we are closer to the construction phase. At this point we don't have an engineering consultant hired to do this work, so we can't get engineering plans at this stage. The are several other water courses in addition to those listed below that will be crossed in this manner, although some of them are farm drainage ditches. The one south of Kirker Rd. is no longer an issue as we are removing T14 and it's associated cable and road. Cable will not go north of T9 in that area. Other buried cable crossings include: North of Snowbird (mentioned below) 2 crossings south of Snowbird (mentioned below) NNW of T11 (ditch) South of T9 (ditch) South of Sandy Creek Road If you let us know what sort of detail you are looking for, we will provide what we can and work on getting the rest for you. How long does a permit under the PLA take to acquire? Is it required for REA approval? Thanks very much, Rochelle	Rochelle Rumney	
Heather Zurbrigg; Emily Verhoek, Amy Cameron	email	6/23/11	Hi Rochelle, I am ccing Emily Verhoek, our Species at Risk biologist on this email and she can fill in any gaps I might have left. For Butternut, it will only need to be assessed if there is threat of harm or removal to the individual tree. any maps that show locations of Butternut would be good information for us to have, although not mandatory if they are not going to be disturbed. MNR direction is that a 25m buffer be left around the base of Butternut trees to protect the root system (this includes acitivities such as excavation, grading, paving etc), is this going to be the case? if not, we might need to have further discussions. ESA permitting should be started as early as possible in the process. If you have occurrences of endangered or threatened species, you can work with Emily to determine what authorizations will be needed under the ESA and when to start the permitting process if that is necessary. It definitely is good to be starting discussions now! thanks for keeping us in the loop. thanks! -Heather	Heather Zurbrigg	none

Contact Name	Method	Date	Message	Message Sender	Attachments
Micheal Otis, Don Lewis, Heather Zurbrigg, Amy Cameron, Hugh Garlough, Ben De Haan, Michael Wildman, Terri Forrester, Sandra Mancini, Mathieu Leblanc, Debra McKinstry, "mayor@twpec.ca", Katherine Kirzati, Sandy Hay, Lesley Todd, Helen Thomson, Brenda Brunt, Sheryl Lusk, Shari Prowse	email	8/1/11	Hello All, I'm pleased to report that the updated Draft REA reports for South Branch Wind Farm are now available on our project website. You may download some or all of these reports as needed. http://www.prowind.ca/?page=projects-south-branch Please let me know if you would like me to provide you with a CD of the reports or if you have any difficulties in downloading this information. We welcome your comments on any aspect of this project. Thank you in advance for taking time to consider the proposed project. Kind regards, Cathy	Cathy Weston	none
Heather Zurbrigg; Emily Verhoek	email	8/16/11	Hi Heather and Emily, As discussed with Heather earlier today, I have attached the Species at Risk report for the South Branch Wind Farm for your review and to start the ESA permit process if deemed necessary. This is corresponds with the recent version of the NHAR for the same wind farm sent to the MNR for review on July 31, 2011. Thanks very much. If you have any questions, please don't hesitate to call. Take care, Rochelle	Rochelle Rumney	South Branch Wind Farm Species at Risk Report 2011-08-11.pdf
Emily Verhoek	email	8/24/11	Hi Rochelle, Thank you for sending in this report. I have taken the time to review it and have several comments. I wanted to let you know that I will be finishing my contract with MNR as of Thursday August 25th, 2011. After that, Marie-Andrée Carrière will be the main contact for this file. marie-andree.carriere@ontario.ca or (613)258-8417 I have updated Marie-Andrée on the file and provided my comments to her. She will be summarizing all comments and getting back to you shortly. Sorry for any inconvenience. Take care, Emily Verhoek	Emily Verhoek	
Heather Zurbrigg	email	8/26/11	Hi Rochelle, Would you be available for a call on Monday to discuss the NHA submission? Hope you have a great weekend and give me a call on Monday or send me a quick email to touch base Monday. Thanks!		

Contact Name	Method	Date	Message	Message Sender	Attachments
Heather Zurbrigg	email	08/30/11	Hi Heather, I spoke to Cathy this morning and she is ok to meet Friday as well, so I think that will work. I will drive up for the meeting too; I'd really like to be able to sit down and look at the report with you. Does 10 am work for a meeting on Friday? We're flexible, but sometime in the morning is preferable for me. Thanks very much. See you Friday! Rochelle	Rochelle Rumney	
Heather Zurbrigg	email	08/30/11	Hi Heather, Will we be able to talk about the SAR report that we submitted on Friday as well? Emily emailed me a while ago saying she had some comments on the report, but I know she is likely gone now. If her replacement (sorry, I forget her name) is available, can we include her in this meeting and go over that at the same time? Thanks, Rochelle		
Heather Zurbrigg	email	08/31/11	I will check with Marie Andree who is the SAR biologist that has taken over the renewable energy files to see if she will have a chance to review by then, and if she is free. Would you be able to start the meeting a little earlier with us? 9:30 maybe?		
Heather Zurbrigg; Amy Cameron; Marie Andre Carriere	Meeting	9/2/11	see meeting notes		
Heather Zurbrigg	Email	9/26/11	Comments for Prowind South Branch wind project NHA: Thank you for sending us the updated NHA report documents. This report is much clearer and much more complete. Could you please address the following comments with respect to your NHA for the Prowind South Branch wind farm. Additionally we will be sending the Environmental Effects Monitoring Plan to a science specialist who will provide comments on this document. This document is not required in order for the NHA confirmation letter to be signed. Table 7 pg. 28, we'd like to see indicated in this table the component of the project location that the woodland is near. Eg: WO1 is 33m from a laydown area. These distances from project location to features need to be indicated on a woodlands map. See comment re: appendix A Please take out any references to Species at Risk in the NHA report Appendix F: Wetland survey information: we need to have the full table from Appendix C used for the wetland evaluation section. Note that under the "special features" section in Appendix C, features such as downed woody debris, fallen logs, cavity trees etc. need to be spoken to. If there weren't any found state this as well. In SWH table 9, were snake hibernacula searched for during site investigation? Rock piles, crevices etc. this must be clear in the report that this feature was searched for. Table 8 on page 31 – wetland ID codes need to correspond to Appendix F unit codes. And we need an intuitive map (ELC mapping might be fine, as long as the codes are represented and the distances are clear from the project location to the boundaries of identified natural features) Regarding the meadow marsh that has been tile drained, if this is no longer on the site, this needs to be removed as a wetland in table 8 and any other reference to it later on Appendix A: please add a woodlands map and a wetlands map. On the SWH maps, we need to see features more clearly. Some of the features cannot be seen clearly		

Contact Name	Method	Date	Message	Message Sender	Attachments
			We need to see features more clearly. Some of the features cannot be seen clearly, could you have the larger map as an inset where possible and the main map as a zoomed in picture of the feature itself please. In the EOS section, will need to see the dates of the beginning and ending of the evaluation of significance. Pg 42 – take out 'no significant wildlife habitat was identified within this woodland' at the bottom under 'uncommon characteristics' as this does not apply. Same at bottom of pg. 43 wrt woodland 11 Turtle nesting and overwintering needs to be addressed Table 9 – put N/A in the CSWH id column if the feature does not apply such as: shorebird migratory stopover areas; butterfly migratory routes and stopover areas; deer wintering areas; bat migration should come off of the table Table 11 – instead of the reference to the NHRM in the EOS criteria and procedures, please make reference to the NHAG Pg 40 – woodlands - in the evaluation criteria: reference the NHAG not the NHRM. Remove all wording in the text to follow about the NHRM but keep the wording about the criteria used. Under proximity to other woodlands or other habitats add the following sentence " the woodland must be at least 4 ha in size". Under water protection add the following sentence " the woodland must be at least 2 ha in size". Under woodland diversity, add the following sentence "the following species must be present and occur naturally (not planted): sugar maple, black maple, silver maple, red maple, yellow birch, hickory, beech, black ask, walnut, tamarack, spruce, pine, oak, basswood, or hemlock and the woodland must be 4 ha in size". Under uncommon characteristics, the criteria should be changed to read the following: "woodlands are considered significant if they have a vegetation community of the provincial ranking of S1, S2, or S3 and are 0.5 ha in size or larger; habitat of a rare, uncommon or restricted plant species and are 0.5 ha or more in size; characteristics of older woodlands or woodlands with larger tree size structure in native species and are 2 ha or larger". Woodlands: Delete all references to economic and social values as this criteria does not apply to RE projects. Section 7.1.3.1 – under woodland diversity, change the entire wording to state the following: WO11 is composed entirely of silver maple deciduous swamp which is a native forest type. Criteria in the NHAG for woodland diversity indicate that this woodland type has had major reductions in the natural distribution in the landscape, south and east of the Candian shield. However, the woodland does not meet the area threshold for significance. WO11 cannot be considered significant for woodland diversity. Pg 44, please change wording in final paragraph "consultation with the MNR indicated an agreement with the findings that WO11 is not a significant woodland" Table 12 under evaluation of significance, you should call this "assumed significant" rather than just significant. Pg 46 under table 13, in the date of evaluation column we want to see the dates of the surveys and not a reference to an appendix. Pg 49 section 7.3.1 – aquatic: last sentence should be updated " none of the… can be considered…" (not cannot) Amphibian point count map required – (include salamander surveys locations also.) we need to know where survey locations were. WHF1 and WHF2 will be considered significant wildlife habitat since more than 20 spring peepers heard. Will need to see a zoomed in map identifying the distance between WHF1 and WHF2 to the project components (temporary and permanent). Section 7.3.8 – osprey nest: is there an active osprey nest here? If not it's not candidate SWH Section 7.3.9 – need to speak to presence or absence of nests for raptor nesting. -- Only need to know for WHJ1 and WHJ7 according to appendix D of the NHAG, these are not a consideration if within 120m of an overhead distribution line. 7.3.10 - - should have two considerations Area-sensitive bird breeding habitat (interior forest breeding habitat) Area-sensitive bird breeding habitat (open country breeding bird habitat) – Interior forest breeding habitat will not need to be considered. Open country breeding habitat needs to be considered within 120m of a turbine only these need to be at least 30 ha in size, cannot be active AG land, and have to		

Contact Name	Method	Date	Message	Message Sender	Attachments
			have species present as indicated in the 6E criteria schedule re: Species of conservation concern: assume significance of the snapping turtle and propose general construction mitigation. Call this 'general candidate significant wildlife habitat' -- Timing restrictions and silt fencing etc. would be sufficient mitigation. We will have comments on the bird surveys later this week and will comment on the EIS after we have received the above noted changes. Please let me know if you have any questions or comments. I suggest we have a phone conversation soon. If you are available Wednesday afternoon to have a conversation about this report, please let me know. Otherwise we can find an alternate time. Thanks! -Heather		
Heather Zurbrigg	email	10/24/11	Hi Rochelle, We have had a chance to look over your NHA and have a few final minor comments for you to address. I have also attached the comments from Lesley Hale who did the review for the Post-construction monitoring Plan. The only thing that needs to be addressed before the NHA letter can be issued are the NHA comments (section 1 below), everything else will need to be addressed as well, but the NHA letter is not contingent upon them. 1) Comments on the NHA report: a) Site Investigation: · Bat migration is no in the SWHTG and as the Ecoregion criteria document is an advice piece only, please remove this category from Table 9 on page 38. b) Evaluation of Significance: · dates of beginning and ending of EOS, this does not just include the site visits, but the evaluation itself · table 13 and CSWH detailed maps for waterfowl stopover and staging area (aquatic) vs (terrestrial) seem to have differing information. WHA1-4 are 'aquatic' in the table, but 'terrestrial' in the mapping c) Environmental Impact Study: · No preconstruction bird surveys will be required. d) Avian survey – pre-construction – comments: · waterfowl staging survey – pg. 10 – what were the results of the talks with local landowners · Take out references to Species at Risk as well as any other references that might be in any other documents (eg: the MKI report) · Pg 16 – Canada goose is migratory. Not 'semi-migratory' – there are resident members but as a species it is considered migratory		South Branch PCMP comments Lhale.doc
			2) Species at Risk: If you could please ensure you are in touch with Erin Thompson with respect to direction regarding any permitting requirements under the ESA for post construction monitoring. And she will be in touch with you with comments from the Species at Risk report you have sent in shortly. 3) Other permitting requirements: Post construction monitoring: – a Scientific collectors permit will be needed for collecting, monitoring, and handling any wildlife. This won't need to be obtained immediately, and is only valid for a year, so will need to be applied for each year of post-construction monitoring through the MNR. I'm looking forward to seeing the finalized report and hopefully we can get a confirmation letter out to you imminently. Please let me know if you have any questions		
Heather Zurbrigg	Email	10/31/11	Hi Rochelle, Please find attached the confirmation letter for Prowind's South Branch Wind Farm NHA. Please let me know if you have any questions or concerns.		NHA confirmatio South Branch.pdf

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Sarah Nugent
OMNR
10 Campus Drive, Postal Bag 2002
Concession Rd
Kemptville, ON K0G 1J0

Re: Wind Power projects - Sunol, North Gower, Polestar, Brinston/South Branch

Dear Sarah,

I am writing to provide you with updated information about the four eastern Ontario projects that we corresponded about and for which I provided bird protocols to you last year. I also want to report on some changes to the projects that will affect the environmental review process.

Please note that when I contacted you last year I was working for M.K. Ince and Associates (MKI), who were representing Prowind Canada (Prowind), the developer behind those projects. I now work directly for Prowind. We are working cooperatively with MKI toward the production of full bird and bat reports and Environmental Screening Reports for each project.

First, I will update you on project names and generating capacity:

- **Sunol** is now called **Beckwith**. There are no changes to the project boundaries or generating capacity. It remains a four or five turbine, 10 MW project.
- **North Gower** is now called **Marlborough**. The protocol described it as a 25 MW project. It is now placed as a 20 MW project with about 8 turbines. There has been an addition of land to the previous area, a disjunct parcel about one km to the north of the main project area. Like the other area, the new one is under intensive agriculture and turbines would be located within the cultivated fields.
- **Polestar** is now called **Upper Canada**. It remains a 10 MW project with expanded boundaries to the east to take advantage of some land with roughly 10 m higher elevation.
- **Brinston, South Branch** (BSB) has retained the same name. Essentially, it is two separate areas that are joined by a common boundary. For EA purposes we will recognize it as a single 20 MW project rather than two 10 MW projects.

Here is a brief update on bird work at the projects, to date:

- **Beckwith** (Sunol) – spring migration 2008 completed. Winter 2008/2009 completed. Breeding 2009 planned. Fall migration 2009 planned. ESR not yet in preparation.
- **Marlborough** (North Gower) – spring migration 2008 completed. Winter 2008/2009 completed. Breeding 2009 planned. Fall migration 2009 planned. Draft ESR submitted with preliminary bird work.
- **Brinston, South Branch** – spring migration 2008 completed. Winter 2008/2009 completed. Breeding 2009 planned. Fall migration 2009 planned. Draft ESR in late stages of preparation.

- **Upper Canada** (Polestar) – spring migration 2008 completed. Fall migration 2008 completed. Winter 2008/2009 completed. Fall migration 2008 completed. Report in preparation. ESR not yet in preparation.

Secondly, I want to raise with you an element of the projects that has changed. Wind modeling at the sites has determined that it will be necessary to raise the height of the turbines to reach higher into stronger, more consistent winds. Prowind is currently expecting that turbine hub heights will become 130 to 141 m and total heights, with blades, will become about 175 to 190 m. Obviously, this is substantially higher than typical and a development I want to ensure is known to you. Please understand that Prowind recognizes the potential risk that higher turbines may present and that we want to do everything reasonable to ensure that we obtain enough information to determine if, in fact, higher turbines in these locations indeed do present a higher risk to birds and bats.

To that end I would like to make our suggestion on how we proceed from here.

1) Our assumption is that none of these sites is within any sort of migration concentration flyway, either for raptors, nocturnal migrant birds or bats. Indeed, all sites were classified as "low" sensitivity in the protocol. Fieldwork at all four sites to date supports this assumption (including a detailed fall migration program at Upper Canada at the request of EC). We also assume that these intensive agricultural areas hold little appeal to draw migrant birds or resident or migrant bats to these intensive agricultural lands.

2) The bird studies will follow due course and will provide four seasons of pre-construction monitoring. These studies include both raptor and migratory bird monitoring, as indicated in the protocol. Please note that when the protocol was reviewed by EC there was no request to conduct either spring or fall migration work. At the time of submission of the protocol there was not enough time to receive feedback prior to commencement of fieldwork so Prowind opted to sample beyond that which might be necessary to ensure we met or exceeded any eventual requirements. In view of the proposed higher turbines, Prowind will also plan to conduct fall migration work at all sites, including both raptors and migratory birds.

3) We are currently arranging to conduct a radar and acoustic-based bat study to cover all four sites. We have contracted EchoTrack to do this work. You will be receiving a call or email from Dr. Rhonda Millikin, EchoTrack, in the near future to provide you with details on our proposed bat monitoring program. We have proposed that the sampling would be done as a regional study which aims to gain a more complete understanding of bat movements in eastern Ontario rather than just project-specific work would do, although sampling stations will be located at each project site. Such a regional approach to bat work was successfully employed in southern Ontario by EchoTrack, and was conducted with the support of MNR.

4) Prowind would be open to the idea of an enhanced post-construction program, one which perhaps could include more frequent bat carcass searching and perhaps a second year of monitoring. We would be happy to work with you to arrive at a satisfactory post-construction plan.

I hope this serves to bring you up to date on these projects and to introduce to you how we propose to approach the introduction of taller-than-normal turbines at these sites. I would be pleased to have further discussions and to provide you with additional information, if you require it. I will await your

response. Please note that I have also provided EC (Sheryl Lusk) with this same update and proposed plan.

Sincerely,

Dan Busby
Senior Biologist
Prowind Canada Inc.
705-454-0172 (Home office)
705-928-1178 (Mobile)

Minutes of Meeting

Between: Ministry of Natural Resources – Kemptville District Office (MNR) and Prowind Canada Inc. (PCI)

Date: August 11, 2009

Participants: Dan Busby, Juan Anderson, Rochelle Rumney, Mary Van Sleeuwen, Sarah Nugent, Tanya Pulfer, Rick Watchorn

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Administrative

An update/status table and maps of each Eastern project was supplied for reference purposes.

Brinston and South Branch Draft ESR was submitted to Sarah. Cover letter and CD were submitted and hard copy will be dropped off to office on August 12.

Clarified that the BSB project will require higher towers (max 191 m), along with all Eastern Ontario projects proposed in the future.

Sarah wondered about timing between submission of draft and final ESRs. Prowind explained the uncertainty surrounding FIT/REA rules. Prowind would like to submit final ESR and get Notice of Completion before REA rules start.

Sarah will be gone after the end of August for one year. No one will replace her during this time, but Prowind has direct contact with Mary and Tanya now, so can contact them for additional information and questions. Sarah will let Prowind know who to contact for additional concerns.

Bat Monitoring

Mary reiterated her requests that efforts be made to capture more of the blade swept area given that the proposed hub heights are 120-130 m. Dan explained that Echotrack positions the microphones in such a way that the radar and acoustic monitoring together are able to gather all the necessary information.

Dan further explained that the Echotrack data can be mined for bird monitoring purposes, further adding to the bird movement information we previously gathered. This is in addition to the traditional bird monitoring done in the fall season.

Owl Survey

Dan explained the problem Prowind has with the timing of the release of the final ESR and the recently proposed owl survey. Prowind would like to submit the draft ESR late this fall and owl surveys are required in spring. MNR received bird monitoring protocols for the eastern projects in February 2009 and at this point, monitoring had already begun.

Considering the timing of requesting the survey and the absence of at-risk nocturnal owls in the area, is it possible to complete an owl survey in the spring, but exclude it as a requirement of the ESR? What results would prevent permitting or hold up process? Dan doesn't expect we would find anything to cause an issue. MNR acknowledged that no owl species in this area currently have species or habitat protection under the Endangered Species Act (ESA). However, MNR still has responsibility for all bird species that are not covered under the Migratory Birds Convention

Act (MBCA) and, therefore, has an interest in ensuring that any potential impacts to these species are avoided, where possible, or mitigated.

Mary will provide comments regarding this issue at a later time.

Fall Raptor Surveys

The hawk migration protocol (HMANA) is the preference of the MNR. The guidelines currently used by Prowind are the EC guidelines, which are more tailored to wind energy projects in Dan's opinion.

Mary will talk to the Regional office to find out the rationale of using HMANA. This will be done soon, as fall migration season starts mid to late August.

Dan will prepare a proposed fall raptor monitoring plan for the MNR to start a discussion and take to the District office.

Triggers for sensitive areas/Species at Risk

Dan was wondering what type of bird record or species at risk record would trigger the MNR to become concerned. Some records are very old and unlikely to be relevant today.

This will contribute to the designation of high, medium or low sensitivity of sites.

It was established that it depends on the species and if there is connectivity between features (wetlands, forests) and the project site. Some species are very elusive and all records are valuable. Some species require large habitat areas (wolves) and some are permanent (plants). Importance of record must be determined on project specific basis.

There is NHIC sensitivity training this fall run by the Kemptville office. The cost is $50/person. Valuable information on how to use the database, prepare for new database and obtain access to additional information. Tanya is running training and will let Prowind know when it is happening.

LIO (Land Information Ontario) is the MNR GIS database. Does Prowind have access to this?

Prowind should consult with the MNR early and they will determine if appropriate habitat exists for species at risk. Information may be available that is not on the website, so it is best to contact MNR for information on project area.

Tall Towers

The approach with bat and bird monitoring so far is appropriate, although there is outstanding concerns regarding the proportion of the blade swept area being sampled for bats. MNR is supportive of the regional approach to bat monitoring along with the radar and acoustic pairing. EC is in agreement as well. It may require enhanced post-construction monitoring.

Lattice Towers

Prowind expressed that the lattice towers are the easiest option for the eastern Ontario projects, but alternatives are being examined.

Prowind approached MNR for comment on the potential use of lattice towers as a support structure for the wind turbines and MNR offered its position which is that the use of lattice towers is strongly discouraged. This is because MNR supports EC's position that perching opportunities (e.g., lattice towers) should be reduced or removed whenever possible to minimize the potential for collisions. This position, and its rationale, will become a matter of public record through the

ESR process. As the proponent, Prowind will be responsible for responding to potential concerns from the public, or any other stakeholder, regarding lattice tower design or other components of the project.

Follow-up Items

Prowind will provide hard copy of Brinston/South Branch Draft ESR to MNR.

Prowind will compile a draft Raptor Protocol for MNR to discuss with regional branch.

MNR will respond to Prowind before beginning of raptor migration with comments on above and preferred protocol.

MNR will provide comments on Owl survey concerns.

MNR will contact Prowind with information on NHIC sensitivity training.

1.0 INTRODUCTION

The following text provides a proposed plan for carrying out a fall raptor migration program at three Prowind wind farm development areas in eastern Ontario in the fall of 2009. The protocol has been largely taken from a protocol for a year-round program of bird monitoring that was submitted to Environment Canada and MNR earlier. This protocol follows an agreement between MNR and Prowind at a meeting on 11 August 2009 that Prowind would specify a proposed approach to raptor monitoring that respected the general approach used by the Hawk Migration counts (HMANA) and the Environment Canada Passage Migration Count methodology.

Details of the other components of the year-round protocol have been left in the table below so that readers are aware of the broader program that was developed and followed.

2.0 PROPOSED FALL RAPTOR MONITORING PROTOCOL

2.1 Selection and Timing of Field Surveys

The frequency and timing of field surveys required for each site was determined based on the Level of Concern Category for each site, the amount and type of data currently available for the study areas, and any special concerns identified for each site. Proposed field monitoring protocols are based on the recommendations included in the Canadian Wildlife Service's *Recommended Protocols for Monitoring Impacts of Wind Turbines on Birds (April, 2007*) and the HMANA draft guidelines.

Table 1. Proposed pre-construction survey methods for assessing risk to birds at the four Prowind wind farm sites.

Site	Size of project (MW)	Concern Category (EC guidelines)	Proposed Pre-construction Surveys	Seasons	Field Survey Timing
Sunol (now Beckwith)	10	1 (low priority)	Standardized Area Search	Breeding	June 2008
			Standardized Roadside Survey	Winter	Winter 08/09
			Passage Migration Count	Spring	Spring 2008
				Fall	Fall 2008
North Gower (now Marlborough)	20	1 low-medium priority)	Standardized Area Search	Breeding	Summer 2008
			Standardized Roadside Survey	Winter	Winter 08/09
			Passage Migration Count	Spring	Spring 2008
				Fall	Fall 2008
Polestar (now Upper Canada)	10	1 (low priority)	Standardized Area Search	Breeding	Summer 2008
			Standardized Roadside Survey	Winter	Winter 08/09
			Passage Migration Count	Spring	Spring 2008
				Fall	Fall 2008
Brinston and South Branch	20 (10+10)	1 (low priority)	Standardized Area Search	Breeding	Summer 2008
			Standardized Roadside Survey	Winter	Winter 08/09
			Passage Migration Count	Spring	Spring 2008
				Fall	Fall 2008

2.2 Passage Migration Count Methodology

Passage Migration Counts (PMC) have been widely accepted and utilized in many wind farm monitoring programs. They are particularly effective during migration times at sites with high visibility of the entire site. These surveys are mainly targeted at raptors, but are also effective for monitoring other large migrant birds such as waterfowl, gulls and terns, shorebirds, herons and bitterns, as well as aerial foragers such as swallows, swifts, and nighthawks. PMCs will be conducted only in weather suitable for bird migration and clear visibility.

Each survey will record the following:

- Important weather variables (wind speed and direction, temperature, barometric pressure, visibility, precipitation, cloud cover, cloud base)
- Species, number, altitude (relative to turbine sections – e.g. below blade zone, within blade zone, etc.), flight direction of all observed birds (not just raptors)
- General location of all observed birds within the project area
- Date, time of day
- Geo-referenced location

Counts will be standardized at four hours each and will consist of one centrally situated count station at Beckwith (formerly Sunol) and Brinston/South Branch and at two locations at the Marlborough site (formerly North Gower) where the four hours of observation is to be evenly split between two sites to better sample the larger land base. Please note that the fall surveys at Polestar (now called Upper Canada) have already been completed. Timing of surveys is to be within the mid-day when thermal currents are normally conducive to raptor movements. Timing of Spring and Fall surveys is:

Spring – once a week from mid-April until late May (already completed)
Fall – once a week from late August to early November, for a total of ten days of sampling

Specific days for sampling will be determined by keeping abreast of migration movements and selected to sample the periods of highest activity.

Kemptville MNR Natural Areas and Features Information Request Form

Name*: Rochelle Rumney, Prowind Canada Inc.

Address*: 210 Prescott St, Suite 3, PO Box 1678, Kemptville, ON L0R 1J0

Phone Number*: Office 613-258-6700, direct line 905-745-4719

E-mail Address*: rrumney@prowind.ca

Property Location: See map and table

Township (geographic)* - Township of South Dundas, United Counties of SDG and Township of Edwardsburg/Cardinal, United Counties of Leeds/Grenville

Lot See table and Concession* See table

Property Roll No. - Various, see table

*Fields with asterisk are mandatory.

Attachments

I have attached a ☐ Picture ☐ Map x ☐ Other x Property Info Table

Request

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

- Species at Risk

- Fish habitat information

- Records for Natural Heritage and Water Assessments (GIS layers or other mapping preferred – including: ANSIs, wetlands, valleylands, wildlife habitat, woodlands, mineral and aggregate resources, petroleum resources, crown forest resources, hazard lands, rare species, rare vegetation communities, streams/river records, lakes, seepage areas, high water mark, built heritage resources)

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):

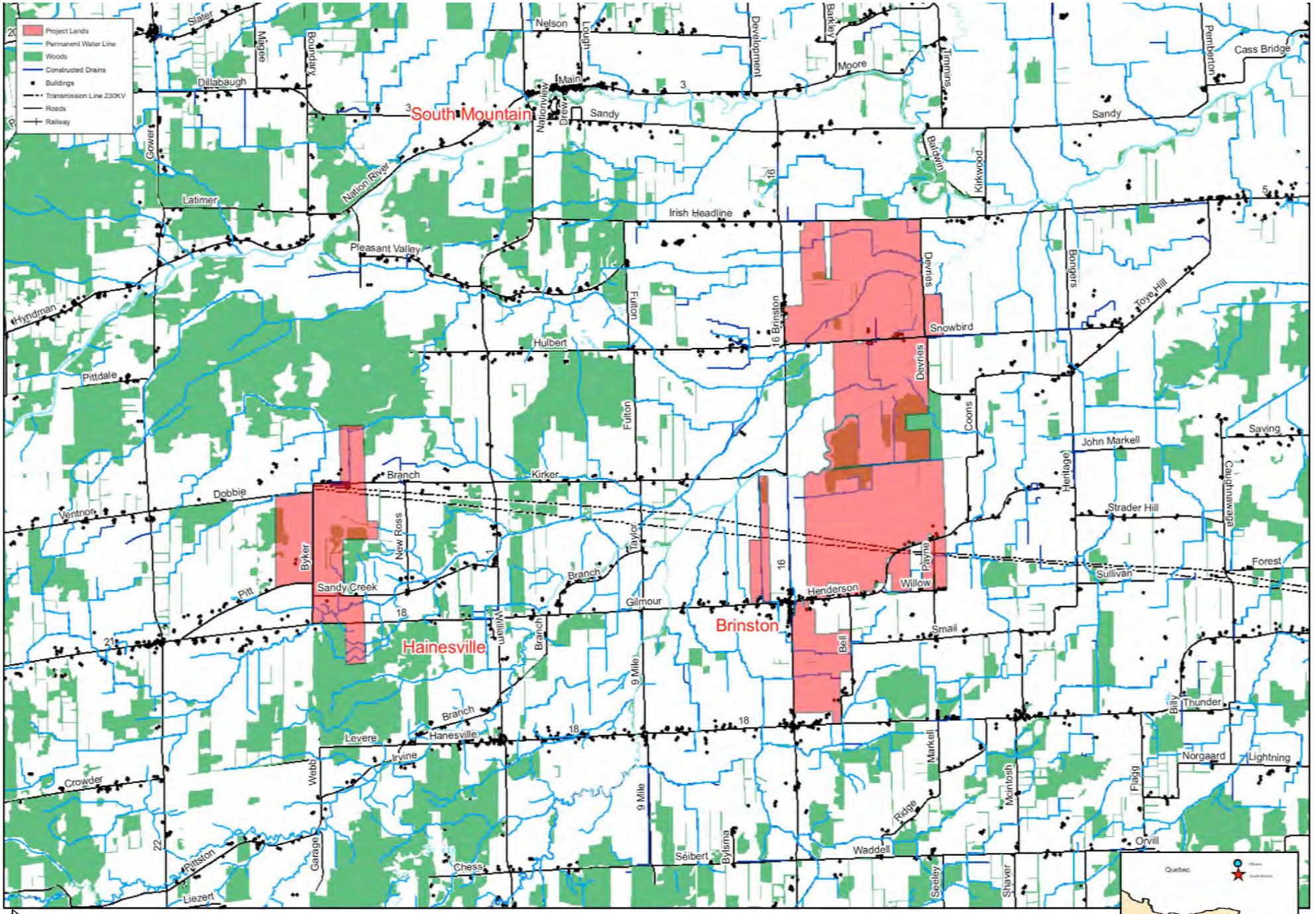
This is a proposed wind farm development, named South Branch Wind Farm. This was originally proposed as three separate 10 MW wind farms (South Branch, Brinston and Boundary), but has been incorporated into one 30 MW wind farm.

This information and consultation with the MNR will be incorporated into the Renewable Energy Approval (REA) that will be submitted to the MOE. We have a FIT contract for this project with a COD date of January 2013.

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:



South Branch Wind Farm Project Area

Participating Land Parcels in the South Branch Wind Farm

Legend	
Code	*Description*
A	Agricultural Zone
EP	Environmental Protection Zone
SD&G	United Counties of Stormont, Dundas and Glengarry
TSD	Township of South Dundas
GTM	Geographic Township of Matilda
L&G	United Counties of Leeds & Grenville
TEC	Township of Edwardsburg/Cardinal

Legal Description	**PIN**	**Area**	**Land use**
Part of Lots 12 and 13, Concession 6, GTM, TSD, SD&G as follows: • Firstly described as the east half of Lot 13, Concession 6 in DRB13644 • Secondly described as the west half of Lot 12, Concession 6, firstly described in Deed DR99431 • Thirdly described as part of the west half of Lot 12, Concession 6, being Part 1 on Plan 8R-1157, as secondly described in Deed DR99431 • Fourthly described as part of the road allowance between Lots 12 and 13, Concession 6, lying north of Part 1 on Plan 8R-4726 as described in Deed DR114457 closed by DR114456	66111-0133	133.49 ac (54.02 ha)	A, EP
East half of Lot 13, Concession 6, GTM, TSD, SD&G, lying south of the forced road as described in Deed DRB13644	66114-0058	31.75 ac (12.84 ha)	A
Part of Lot 12, Concession 6, GTM, TSD, SD&G, lying south of the forced road as described in Deed DR99431	66114-0059	36.08 ac (14.60 ha)	A
Part of Lot 13, Concession 6, GTM, TSD, SD&G, being Part 1 on Plan 8R-4010, as described in Deed DR91813	66111-0137	1.56 ac (0.63 ha)	A
West half of Lot 15, Concession 6, GTM, TSD, SD&G, as firstly described in Deed 67194	66111-0146	195.32 ac (79.04 ha)	A, EP
Part of East half of Lot 16, Concession 6, GTM, TSD, SD&G, as secondly described in Deed 67194			
Part of Lot 16, Concession 6, GTM, TSD, SD&G, being Part 2 on Plan 8R-1045 as thirdly described in Deed 67194			
East three-quarters of Lot 17, Concession 6, GTM, TSD, SD&G, as firstly described in Deed 94733	66111-0154 66111-0155	266.97 ac (108.03 ha)	A, EP
West one-quarter of Lot 17, Concession 6, and east three-quarters of the east half of Lot 18, Concession 6, GTM, TSD, SD&G, as described in Deed 99805	66111-0160	128.48 ac (51.99 ha)	A, EP
South one-quarter of Lot 13, Concession 7, GTM, TSD, SD&G, as firstly described in Deed 80420	66111-0085	50 ac (20.23 ha)	A, EP
South half of the east half of Lot 14, Concession 17, GTM, TSD, SD&G, as secondly described in Deed 80420			
South quarter of the north half of the south half of Lot 13, Concession 7, GTM, TSD, SD&G, as described in Deed 113792		12.5 ac (5.05 ha)	
South half of the west half of Lot 14, Concession 7, GTM, TSD, SD&G, as secondly described in Deed 26465	66111-0084	50 ac (20.23 ha)	EP
Part of the east half of Lot 15, Concession 7, GTM, TSD, SD&G, lying south of the South Branch of the Nation River as thirdly described in Deed 80420	66111-0083	93.28 ac (37.74 ha)	EP
Part of the west half of Lot 15, Concession 7, GTM, TSD, SD&G, lying south of the South Branch of the Nation River as fourthly described in Deed 80420			
Part of the east half of Lot 16, Concession 7, GTM, TSD, SD&G, lying south of the South Branch of Nation River as fifthly described in Deed 80420		30 ac (12.14 ha)	
Part of Lots 16 and 17, Concession 7, GTM, TSD, SD&G, being Part 1 on Plan 8R-1977 as thirdly described in Deed 94733		56.7 ac (22.94 ha)	
Part of Lot 19, Concession 6, GTM, TSD, SD&G, as firstly described in Deed 108845	66113-0172	66.6 ac (26.95 ha)	A, EP
South half of the east half of Lot 20, Concession 6, GTM, TSD, SD&G, as secondly described in Deed 108845		50 ac (20.23 ha)	A
Part of Lot 17, Concession 5, GTM, TSD, SD&G, as firstly described in Deed 114987	66114-0091	66.58 ac (26.94 ha)	A
Part of Lot 17, Concession 5, GTM, TSD, SD&G, as secondly described in Deed 114987		54.55 ac	

Part of Lot 17, Concession 5, GTM, TSD, SD&G, as secondly described in Deed 114987		54.55 ac (22.07 ha)	
Part of the northwest quarter of Lot 18, Concession 5, GTM, TSD, SD&G, as firstly described in Deed 114986		45.53 ac (18.42 ha)	
Part of the south half of Lot 18, Concession 5, GTM, TSD, SD&G, as secondly described in Deed 114986		96.52 ac (39.06 ha)	
Part of Lot 17, Concession 5, GTM, TSD, SD&G, as thirdly described in Deed 114986		21.30 ac (8.61 ha)	
Part of the northeast quarter of Lot 18, Concession 5, GTM, TSD, SD&G, as described in Deed 103411		46.39 ac (18.77 ha)	
Part of Lot 16, Concession 5, GTM, TSD, SD&G, being Part 1 on Plan 8R-1280, as described in Deed 84285		30.59 ac (12.37 ha)	
Part of the west half of Lot 13, Concession 6, GTM, TSD, SD&G, as secondly described in Deed 35240	66111-0138	98.43 ac (39.83 ha)	A, EP
Part of the west half of Lot 14, Concession 6, GTM, TSD, SD&G, as described in Deed 27132B	66111-0139 66114-0055	94.36 ac (38.18 ha)	A, EP
Part of the west half of Lot 14, Concession 6, GTM, TSD, SD&G, as described in Deed 27827B	66114-0054	5 ac (2.02 ha)	A
Part of Lot 14, Concession 6, GTM, TSD, SD&G, being Part 1 on Plan 8R-967, as described in Deed 32224B	66111-0140	0.64 ac (0.25 ha)	A
Part of the east half of Lot 14, Concession 6, GTM, TSD, SD&G, as firstly described in Deed 26465B	66111-0139	99.67 ac (40.33 ha)	A, EP
Part of the east half of Lot 15, Concession 6, GTM, TSD, SD&G, as described in Schedule 'A' of Deed 49270	66111-0141	92.65 ac (37.49 ha)	A, EP
Part of the west half of Lot 16, Concession 6, GTM, TSD, SD&G, as described in Deed 83042	66111-0149	98.98 ac (40.05 ha)	A, EP
Part of Lot 17, Concession 8, GTM, TSD, SD&G, as described in Deed 121073	66111-0061	87 ac (35.20 ha)	A, EP
East half of Lot 15, north of the South Branch of the Nation River and the west half of the northwest quarter of Lot 14, Concession 7, GTM, TSD, SD&G, as described in Deed 73528	66111-0081	75 ac (30.35 ha)	A, EP
Part of the west half of Lot 15, Concession 7, GTM, TSD, SD&G, as secondly described in Deed 51207		54.65 ac (22.11 ha)	A, EP
North half of Lot 13, Concession 7, GTM, TSD, SD&G, as fifthly and ninthly described in Deed 51208		125 ac (50.58 ha)	A, EP
East half of the north half of Lot 14, Concession 7, GTM, TSD, SD&G, as sixthly described in Deed 51208		75 ac (30.35 ha)	A, EP
South half of the west half of the north half of Lot 14, Concession 7, GTM, TSD, SD&G, as seventhly described in Deed 51208			A, EP
North 25 acres of the south half of Lot 13, Concession 7, GTM, TSD, SD&G, as ninthly described in 51208		25 ac (10.11 ha)	A, EP
East half of Lot 16, Concession 7, GTM, TSD, SD&G, lying north of the Nation River as thirdly described in Deed 51207	66111-0081	55 ac (22.25 ha)	A, EP
Part of the west half of Lot 16, Concession 7, GTM, TSD, SD&G, lying north of the South Branch of the Nation River as described in Deed 85116		60 ac (24.28 ha)	A, EP
North half of the east half of Lot 16, Concession 8, GTM, TSD, SD&G, as firstly described in Deed 59896	66111-0058	50 ac (20.23 ha)	A, EP
Northeast quarter of the west half of Lot 16, Concession 8, GTM, TSD, SD&G, as secondly described in Deed 59896		24.82 ac (10.04 ha)	A, EP
Part of Lots 16 and 17, Concession 8, GTM, TSD, SD&G, as thirdly described in Deed 59896		195.12 ac (78.96 ha)	A, EP
Part of Lot 18, Concession 8, GTM, TSD, SD&G, as fourthly described in Deed 59896		44.71 ac (18.09 ha)	A, EP
Part of Lot 15, Concession 8, GTM, TSD, SD&G, as firstly described in Deed 51207		199.43 ac (80.70 ha)	A, EP
Part of Lot 13, Concession 8, GTM, TSD, SD&G, as thirdly described in Deed 51208		398.79 ac (161.38 ha)	A, EP
Part of Lot 14, Concession 8, GTM, TSD, SD&G, as fourthly described in Deed 51208			A, EP
Southerly 50 acres of the west ¾ of Lot 12, Concession 8, GTM, TSD, SD&G, as eighthly described in Deed 51208	66111-0065	50 ac (20.23 ha)	EP
West half of Lot 37, Concession 6 and the Commons Lot, GTM, TSD, SD&G, lying immediately along the west side of said Lot 37, save and except Parts 1 and 2 on Plan 8R-2500, as described in Deed 106385 and 43154	66113-0053	136 ac (55.03 ha)	A, EP
South half of the east half of Lot 37, Concession 6, GTM, TSD, SD&G, save and except	66113-0055	50 ac	A, EP

West half of Lot 36, Concession 6, GTM, TSD, SD&G, as fourthly described in Deed 49132		22.5 ac (9.10 ha)	A, EP
Part of Lot 36, Concession 5, GTM, TSD, SD&G, being Part 1 on Reference Plan 8R-4174, as described in Deed 95866	66113-0374	69 ac (27.92 ha)	A
Northeast ¼ of Lot 37, Concession 6, GTM, TSD, SD&G, as thirdly described in Deed 89800	66113-0054	50 ac (20.23 ha)	A
North half of Lot 36, Concession 6, GTM, TSD, SD&G, as firstly described in Deed 89800		100 ac (40.46 ha)	A
Part of Lot 35, Concession 6, GTM, TSD, SD&G, being Part 1 on Plan 8R-3926, as fourthly described in Deed 89800		21.21 ac (8.58 ha)	A
Part of Lot 36, Concession 7, GTM, TSD, SD&G, being Part 1 on Plan 8R-3920, as secondly described in Deed 89800	66112-0247	61.2 ac (24.76 ha)	A
Part of the South or Front half Commons Lot A and Part of the Rear Half Commons, Lot A and Part of Lots 1 and 2, Concession 7, being part 1 on Reference Plan 15R-9251, Geographic Township of Edwardsburgh, TEC, L&G (as described in Deed 137799)	035 11700		
Part of Lot 36, Concession 5, being part 1 on Reference Plan 8R-4174, Geographic Township of Edwardsburgh, TEC, L&G (as described in Deed 95866)			

Ministry of Natural Resources
Memorandum
of Understanding (MOU)

BETWEEN
Her Majesty the Queen in the Right of Ontario, as represented by the Ontario Ministry of Natural Resources (MNR), Kemptville District

AND

Prowind Canada

PURPOSE

The purpose of this MOU is to provide immediate access to Intellectual Property between the Ministry of Natural Resources and Prowind Canada hereafter referred to as the licensee.

The MNR agrees to provide the licensee with the Intellectual Property as per **Schedule "A"** (attached) without charge.

TERMS

The licensee agrees to the terms in the MNR Electronic Intellectual Property (EIP) Licence as per **Schedule "B"** (attached).

On behalf of MNR	Date
R.R	11/19/2010
On behalf of Licensee	Date

Notes from Meeting with Kemptville MNR

Date: December 3, 2010
Time: 10:00 am to 11:00 am
Location: Kemptville MNR Office
In attendance: Heather Zurbrigg (MNR), Amy Cameron (MNR), Cathy Weston, Rochelle Rumney

Re: South Branch Wind Farm draft REA

MNR went over their requirements of the REA and provided a checklist for the reports. This is something they use to ensure all the components are there.

MNR estimated that the review process will be approximately 2 months starting in January, thereby estimated to be complete by March 2011.

Species at Risk – MNR listed all the species at risk in the area. The [redacted] was noted as having been observed in the area but was not SAR at the time of observation. Address [redacted] in more detail in report.

An overall benefits plan should be prepared for the [redacted]. This should assess any damage to habitat and any mitigation plans or habitat reconstruction plans proposed. Should work out to be a net benefit to the species.

MNR would like any "partners in flight" species to be discussed. These are locally declining species.

Significant Wildlife Habitat has been assessed but there are some blank where MNR will be required to assist, specifically amphibians and raptors. We will discuss this further once MNR has had a chance to look over the table in more detail, but they were happy with the layout of the information.

MNR confirmed that we can treat any suspect SWH as significant instead of waiting to do species surveys in the spring.

MNR provided map of significant woodlands in area and will provide GIS data on same. Prowind will send a project location layout shapefile so data can be cut to specific area.

Electronic copy of REA will be posted on ftp server for access. Access information will be provided.

MNR requested that we include any correspondence with CA, EC, CWS, MNR in the reports.

Another meeting will take place once review is underway or complete. On going correspondence will continue.

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

December 16, 2010

Ontario Ministry of Natural Resources
Kemptville District Office
P.O. Box 2002
10 Campus Drive
Kemptville, ON K0G 1J0

Attention: Heather Zurbrigg, Renewable Energy Planning Ecologist
Reference: South Branch Wind Farm Draft REA Review

Dear Ms. Zurbrigg,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

As requested, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the MNR review process.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719
rrumney@prowind.ca

Meeting Notes
MNR Kemptville Branch and Prowind Canada

Date: Thursday, April 7, 2011 at 2:00 pm

Location: Conference Line

In attendance: Cathy Weston, Rochelle Rumney, Heather Zurbrigg, Amy Cameron

---

Amy and Heather have had a brief review of the some sections of the Natural Heritage Assessment (NHA). They will provide preliminary comments at this point in time and give a thorough overview at the end of April.

SWH

Primary thing to note, the Significant Wildlife Habitat (SWH) section needs to be given more attention. Requires more detail of methodology and findings.

The SWH section should address each type of SWH, including each heading in the technical guide. Amy will send us the section headings that should be addresses in this section. Describe the habitat, describe what habitat is in project area and explain if is there or is not there and why.

This can be done now before next round of reviews. By the end of April the MNR should know if we need to do any more fieldwork to catch important SWH seasons. Raptor and deer wintering areas are the only SWH that may have been missed, but MNR confirmed that there is no deer wintering habitat in the area and raptor wintering can be addressed with data from bird surveys.

Sean Thompson, biologist at MNR, will be at the meeting at the end of April and able to discuss what fieldwork is still needed and how to conduct it.

Wetlands

Wetlands also need to be addressed in the NHA. There are several areas that are defined in the ELC as swamp, marsh, etc. that are considered to be wetlands as defined in the wetland manual. These need to be delineated and evaluated by someone with OWES training and experience. Look at requirements in manual, anything less than a certain size (thought to be 0.5 ha) does not qualify as a wetland. If there is a larger than 30 m setback, it is possible to assume significance and do an EIS without evaluation, if access to property is not available.

Heather will email the wetland evaluation criteria schedule to Rochelle.

SAR

The MNR has decided recently that any mention of Species at Risk (SAR) should be removed from the NHA and submitted as a separate document. This is to avoid letting detailed discussion of SAR presence and location out to the public. This only relates to THR and END species. SC species can remain in NHA.

SAR permits and approval are not required for the REA approval and will be done concurrently to REA review. Report should include methodology, dates and field conditions, Species observations, specifics of observations, seasons and actions.

Other

A species list should be pulled together from all fieldwork and included in the NHA.

When writing mitigation and EIS the Decision Support System (DDS) can be used to guide this process. Also experts within MNR can help with mitigation and avoidance plans.

Next Steps

- Amy will email list of SWH headings and relevant documents to Prowind
- Heather will email information on wetland evaluation to Prowind
- MNR will provide a letter to Prowind and set up a meeting at the end of April to go over a thorough review
- MNR and Prowind will set up regular bi-weekly meetings to discuss field work and REA/NHA review and updates

Subject: Prowind South Branch report
Date: Wednesday, April 20, 2011 9:26 AM
From: Zurbrigg, Heather (MNR) <Heather.Zurbrigg@ontario.ca>
To: Rochelle Rumney <rrumney@prowind.ca>
Cc: Cathy Weston <cweston@prowind.ca>, "Cameron, Amy (MNR)" <Amy.Cameron@ontario.ca>, "Dixon, Rebecca (MNR)" <Rebecca.Dixon@ontario.ca>, "Beal, Jim (MNR)" <jim.beal@ontario.ca>, "Fraser, Jim (MNR)" <Jim.A.Fraser@ontario.ca>, "Verhoek, Emily (MNR)" <Emily.Verhoek@ontario.ca>, "Thompson, Shaun (MNR)" <shaun.thompson@ontario.ca>, "Thompson, Erin (MNR)" <Erin.L.Thompson@ontario.ca>, "Durst, Ken (MNR)" <Ken.Durst@ontario.ca>
Priority: Highest

Hi Rochelle,

Thanks for meeting with us last week via concall, and for your patience while Amy Cameron and I have had a chance to go over the report in more detail and have also been able to sit with the key Kemptville district staff to look at the report for this project. Several information gaps have been identified. Below is a preliminary look at what will need to be done, and some ideas as to where you might get relevant and necessary information. We can discuss in more detail when we meet next Friday.

NHA

Four big things we need to see at this time as a preliminary steps are:

1) -the whole area needs to be **ELC'd** – (or vegetation communities identified, we **highly** recommend ELC) this will include the entire area including laydown areas, road networks and the appropriate distance from the turbine (58m is the blade length you mentioned in the report) that is included in the project site area -- include also in the ELC the 120m buffer. – ELC vegetation communities identified will serve as a jumping off point for figuring out Significant Wildlife Habitat (SWH) as targeted surveys for specific SWH can be determined after looking through the criteria in the ecoregion criteria schedule for the SWHTG. The criteria cannot be ruled out if the site hasn't been classified as per it's ELC communities 9or appropriate veg communities).
2) **OWES** evaluation is required for the wetland communities as per the O. Reg. 359/09 that were flagged during the ELC and any other wetlands that might be found to be on site.
3) Please have a look at the **Ostrander windfarm report**, which is now a public document and is accessible online: www.gileadpower.com/ostrander_documents.htm <http://www.gileadpower.com/ostrander_documents.htm> This will give you all of the documents that you need and show the level of details required for the reports.
4) If you have **more information** that is not included in this report, eg: point counts, survey information… please include it. Species lists (and locations) are important for the site investigation and specific information on survey locations and methodology is very important to have as well.

Regarding the **amphibian survey** you have proposed for this week. We **strongly recommend** that you have someone go out that is qualified to go on site to do the amphibian surveys. Based on experience, tape recordings are unreliable, you don't get the directionality

of the calls, and tend to get much background noise. Please hire a qualified consultant who can go out next week to do the preliminary survey and any subsequent surveys. They will know the correct protocols and methodology for the surveys. Night time surveys should capture all species of frogs and toads, and salamanders must be searched for as well using a similar methodology you used in the Jefferson salamander surveys you were speaking about in one of your previous emails.

The Natural Heritage Assessment Guideline (NHAG) is a good document to help you along this process also and will give you some ideas as to the rigour and the methodology involved in site investigation, evaluation of features and the level of effort involved. -amphibian surveys are addressed in this to give you some idea of methodology (as well as other surveys you will need to perform)

Attached is the checklist of the requirements of the regulation, as you can see much information is still required in this report to meet the Regulation requirements.

You have to remember also, that some of the natural features and their functions will extend beyond the 120m buffer. This will include wetlands, woodlands and SWH.

If you have any questions or need clarification on any of this please let me know. I think the Ostrander report will be a big help to you in terms of what requirements and expectations we have in terms of the NHA report and level of effort and survey required.

SPECIES AT RISK

In terms of **species at risk**, our species at risk biologist, Emily Verhoek, has provided us with the following direction for this project site:

- [redacted]

We can talk in detail about this next Friday when we have our meeting in Kemptville.

Thanks,

Heather

Natural Heritage Assessment Review Checklist

Project Name:	**South Branch Wind Farm**
Applicant:	**Prowind**
Consultant:	**Prowind**
Project Location:	**Twp South Dundas, United Counties of Stormont, Dundas and Glengarry. Portion of project in Township of Edwardsburg/Cardinal, United Counties of Leeds and Grenville**
Generation type:	☐ wind onshore ☐ wind offshore ☐ solar ☐ biomass/biogas
Nameplate Capacity (MW):	**30MW**
Date Received:	**November 30, 2010**
MNR Reviewer(s):	**Heather Zurbrigg and Amy Cameron (Shaun Thompson, Emily Verhoek**
Date Reviewed:	**April 19, 2011**

Records Review Report (Section 25)

Content Requirements	**Included** ☑	**MNR Comments**
Identifies list of records searched	incomplete	MNR Kemptville District MNR – LIO MNR – NHIC CA – South Nation County – Stormont, Dundas Glengarry County – Leeds and Grenville
Identifies a summary of the results obtained, including the following sources:		
1. MNR records that relate to provincial parks and conservation reserves	incomplete	Section 4.1 – conservation reserves were not searched (looked for conservation areas instead)
2. Records related to natural features that are maintained by the:		
i. MNR	incomplete	Were the appropriate layers in LIO investigated? All layers related to SWH (deer wintering, bird stopover and staging etc., nesting, hibernacula etc.) Wetland layers (evaluated) Include MNR sig woods data
ii. the Crown in the right of Canada and, if applicable	incomplete	None listed in section 4.2.1 Records Searched but mentioned at the bottom of pg.6 and indicates that information obtained not mapped because of formatting issues.
iii. a conservation authority	comple	South nation CA was contacted

	te	
iv. each local and upper-tier municipality	incomplete	Local and Upper tier municipalities were consulted but sharing data was noted as an issue. LIO was consulted for records and official plan mapping constraints were reviewed buts not included as part of submission. Formatting complications needs to be removed as an issue for not adding data to the maps. If information from LIO is a match that's all that needs to be added and there is no additional information to add so formatting issues is not a problem.
v. the planning board	Incomplete	Needs to be mentioned
vi. the municipal planning authority	Incomplete	Needs to be mentioned
vii. the local roads board	Incomplete	Needs to be mentioned
viii. the Local Services Board	incomplete	Needs to be mentioned
ix. the Niagara Escarpment Commission	Complete	Pg.7 indicates not in or near the Niagara Escarpment Plan area
Identifies if the project location is <u>in or within 120 metres</u> of a Provincial Park or Conservation Reserve.	Incomplete	Section needs to be revised and new information included. Conservation Reserves was not considered.
If the project location is in a Provincial Park or Conservation Reserve, provides evidence that engaging in the project is not prohibited by or under the *Provincial Parks and Conservation Reserves Act, 2006*.	Incomplete	Needs to first determine if in conservation reserve and then determine if this section applies. If this section does not apply it needs to be stated in the NHA report.
Identifies if the project location is <u>in or within 50 metres</u> of an Earth Science ANSI	Complete	MNR needs to verify that there are no Earth Sci ANSI in project location
Identifies if the project location is <u>in or within 120 metres</u> of:		
ANSI (Life Science)	Complete	MNR needs to verify that there are no Life sci ANSI in project locations
Coastal wetland	Competle	Stated to be Not applicable
Northern wetland	Complete	Stated to be not applicable
Southern wetland	incomplete	MNR identified in letter dated July 5, 2010 that unevaluated wetlands were present in the area (p. 8). MNR to verify that LIO layers do not flag wetlands as indicated in the NHA records review.
Wildlife habitat	Incomplete	Need to look at a variety of other documents that could suggest the presence of swh that could be

		present. suggested
Valleyland (if south or east of the Canadian Shield)	Incomplete	Need to change wording. Cannot assume anything but if no information must be carried forward into site investigation.
Woodland (if south or east of the Canadian Shield)	Complete	MNR needs to verify.
If the project location is in the Oak Ridges Moraine Conservation Plan Area or the Natural Heritage System of the Greenbelt Plan (other than in settlement areas of either plan area), identifies whether the project location is in or within 120 metres of:		
Sand barren	Incomplete	Needs to be addressed
Savannah	Incomplete	Needs to be addressed
Tallgrass prairie	Incomplete	Needs to be addressed
Southern wetlands that are not provincially significant	Incomplete	Needs to be addressed
Areas of natural and scientific interest (life science) that are not provincially significant	Incomplete	Needs to be addressed
Alvars (only in the Natural Heritage System of the Greenbelt Plan)	Incomplete	Needs to be addressed

Site Investigation Report (Section 26)

Feature type: ☐wetland ☒wildlife habitat ☒woodland ☐valleyland ☐ANSI (earth) ☐ANSI (life)
☐Sand barren ☐Savannah ☐Tallgrass prairie ☐Alvar
Feature identifier(s):woodland amphibian breeding ponds (woodland G,N), significant woodlands

Content Requirements	Included ☑	MNR Comments
Evidence that a physical or alternative site investigation of the air, land and water within 120 metres of the project location was conducted, including:		
a) Date and times of the beginning and end of site investigation and duration of investigation	incomplete	Need to discuss if these were the only dates that site visits were conducted. MNR staff were lead to believe that field work had also be completed in years prior to 2010. Need to include information about duration of investigation.
b) Weather conditions during the site investigation	incomplete	Wind speeds missing.
c) A summary of investigation methods	Incomplete	Need more details to describe methodology used, including the protocols used to identify features, etc. need information survey point count locations that were completed (UTM locations), and the start/end times, weather conditions etc. This needs to be included for all wildlife
d) The name and qualifications of person(s) who conducted the site investigation	Incomplete	Names of persons were included but the details about their qualifications were not detailed enough.
e) The field notes kept by site investigators	Incomplete	Field notes in appendix A were not sufficient. There needs to be field notes related to the features identified onsite, species present (eg. Point count data sheets), etc.
Assessment of the results of the records review to determine if they are correct, including:		
A summary of any corrections made to the records review (e.g., additional features, etc.)	Incomplete	This section needs to be completed and updated once the site investigation report is completed.
Information relating to each natural heritage feature identified, including its:		
a) type	Incomplete	ELC code for swamp was present but now OWES evaluation on the wetland was completed. SWH is absent. A section detailing candidate features and habitats that are onsite needs to be included. ELC should be completed across the entire project area not just within the woodland areas. Woodland features were identified but for the most part were considered “void” of SWH. The presence of woodlands <u>at minimum</u> trigger the need to consider the following categories of SWH: rare forest types, forests providing high diversity of habitats, old growth / mature forests, high diverse areas, woodland amphibian breeding areas, etc. There is no information included in the NHA to describe what

		features were searched for.
b) attributes	Incomplete	Once the features have been identified the attributes need to be discussed in the report
c) composition	Incomplete	Once the features have been identified the composition needs to be included as part of the discussion in the report
d) function	incomplete	Once the features have been identified the function the features provide needs to be discussion in the report.
A map showing:		
a) boundaries of any identified natural features (including provincial parks and conservation reserves) within 120 metres of the project location	Incomplete	Natural features such as wetlands, SWH etc. that should have been found during site investigation are not included. Therefore the map is deemed incomplete and needs to be updated once site investigation information is complete.
b) the location and type of natural heritage features in relation to the project location	Incomplete	Need to include information about the distance of the features in relation to the project components (turbines, roads, laydown areas, etc.)
c) the distance from the project location to the boundaries of identified natural features	Incomplete	Need to include distances from the project location to the boundaries of the identified natural features.

Evaluation of Significance (Section 27)

Feature type: ☒wetland ☒wildlife habitat ☐woodland ☐valleyland
Feature identifier: _____

Content Requirements	Included ☑	MNR Comments
For each natural feature that the project location is closer to than 120 metres (other than ANSIs, as the applicant is only required to consider ANSIs that have previously been confirmed as provincially significant by the MNR):		
a) A summary of the evaluation criteria or procedures used in determining significance/provincial significance of a feature Note: an evaluation of significance identified through the records review is an acceptable determination of significance, provided that the evaluation was done using evaluation criteria or procedures established/accepted by MNR and evidence of the procedures used is submitted by the applicant.	Incomplete	Need to complete site investigation information and carry forward all candidate features for evaluation of significance
Evidence of how information related to natural features obtained during records review, site investigation and consultation with the public, aboriginal communities, municipalities and local authorities was considered by the applicant on the evaluation of significance.	Incomplete	Need to complete site investigation information and carry forward all candidate features for evaluation of significance
b)The name and qualifications of person(s) who applied the evaluation criteria or procedures	Incomplete	Need to complete site investigation information and carry forward all candidate features for evaluation of significance
c) The dates of the beginning and completion of the evaluation	Incomplete	Need to complete site investigation information and carry forward all candidate features for evaluation of significance

Environmental Impact Study Report (Section 38(2))

Feature type: ☐ wetland ☐ wildlife habitat ☐ woodland ☐ valleyland ☐ ANSI (earth) ☐ ANSI (life)
☐Provincial Park or Conservation Reserve ☐Sand barren ☐Savannah ☐Tallgrass prairie ☐Alvar

Feature identifier: _____

An EIS is required where the project location is within 50 m of a provincially significant earth science ANSI, or within 120m of a provincially significant wetland, provincially significant life science ANSI, significant wildlife habitat, a provincial park or conservation reserve, or a significant woodland or valleyland that is south or east of the Canadian Shield.

Content Requirements	**Included** ☑	**MNR Comments**
Identifies and assesses any negative environmental effects on the natural feature, provincial park or conservation reserve	Incomplete	Need to complete evaluation of significance and update EIS to include mitigation for features deemed significant.
Identifies mitigation measures in respect of any negative environmental effects	incomplete	Need to complete evaluation of significance and update EIS to include mitigation for features deemed significant.
Describes how the ENVIRONMENTAL EFFECTS MONITORING PLAN (part of the design and operations report) addresses any negative environmental effects, including a description of:		
i. performance objectives in respect of the negative environmental effects,	incomplete	Need to complete evaluation of significance and update EIS to include mitigation for features deemed significant.
ii. mitigation measures to assist in achieving the performance objectives,	incomplete	Need to complete evaluation of significance and update EIS to include mitigation for features deemed significant.
iii. a program for monitoring negative environmental effects for the duration of the time that the project is engaged in, including a contingency plan to be implemented if any mitigation measures fail.	incomplete	Need to complete evaluation of significance and update EIS to include mitigation for features deemed significant.
Describes how the CONSTRUCTION PLAN REPORT addresses any negative environmental effects, including a description of:		
i. any negative environmental effects that may result from construction or installation activities on the feature,	incomplete	Need to complete evaluation of significance and update EIS to include mitigation for features deemed significant.
ii. mitigation measures in respect of any negative environmental effects.	incomplete	Need to complete evaluation of significance and update EIS to include mitigation for features deemed significant.

Procedures established or accepted by MNR to support development and review of Natural Heritage Assessments

Natural Heritage Assessment		Procedures
Records Review		• Draft Natural Heritage Assessment Guide for Renewable Energy Projects
Site Investigation		• Draft Natural Heritage Assessment Guide for Renewable Energy Projects • Ecological Land Classification for Southern Ontario • Valleylands - Adaptive Management of Stream Corridors in Ontario including Natural Hazards Technical Guides, and Understanding Natural Hazards; Conservation Authorities • Woodlands - Oak Ridges Moraine Conservation Plan Technical Paper Series #7; • Wildlife Habitat - Significant Wildlife Habitat Technical Guide & Appendices; Bat and Bat Habitats Guidelines for Wind Power Projects (2010 Working Draft); Draft Bird and Bird Habitats Guidelines for Wind Power Projects (2010, pending approval) • ANSI - MNR District Offices • Natural features in provincial plan areas - Oak Ridges Moraine Conservation Plan Technical Paper Series #1
Evaluation of Significance (for features that have not been evaluated)	**Wetlands (southern, northern and coastal)**	• Ontario Wetland Evaluation System Southern Manual (for wetlands in Ecoregions 6E and 7E) • Ontario Wetland Evaluation System Northern Manual (Ecoregions north of 6E) • Coastal wetlands included in the southern and northern manuals
	Woodlands (south and east of Canadian Shield)	• Draft Natural Heritage Assessment Guide for Renewable Energy Projects • Natural Heritage Reference Manual 2nd ed.
	Valleylands (south and east of Canadian Shield)	• Draft Natural Heritage Assessment Guide for Renewable Energy Projects • Natural Heritage Reference Manual 2nd ed.
	Wildlife Habitat	• Draft Natural Heritage Assessment Guide for Renewable Energy Projects • Ecological Land Classification or Forest Ecological Classification • Terrestrial and Wetland Ecosites of Northwestern Ontario • Significant Wildlife Habitat Technical Guide (2000 version), • Draft addendum to the SWHTG and Ecoregion criteria schedules: • Natural Heritage Reference Manual 2nd ed. • Oak Ridges Moraine technical series paper on SWH. • Draft Bat and Bat Habitats Guidelines for Wind Power Projects (2010) • Draft Bird and Bird Habitats Guidelines for Wind Power Projects (2010, pending approval)
Environmental Impact Study		• Draft Natural Heritage Assessment Guide for Renewable Energy Projects • Natural Heritage Reference Manual 2nd ed. • Specific guides: Bat and Bird Guides; Significant Wildlife Decision Support System • Provincial Parks: Contact Ontario Parks • Conservation Reserves: Contact MNR District Offices

Meeting Notes - MNR Kemptville/Prowind
Re: South Branch Wind Farm

Date: April 29, 2011 at 10:00 am to 11:30 am

Location: MNR Kemptville District Branch Office

In Attendance: Rochelle Rumney, Cathy Weston, Ron Huizer (Beacon Environmental), Amy Cameron, Shaun Thompson, Erin Thompson, Heather Zurbrigg (via telephone)

Updates from Prowind

Turbine 14 will likely be removed from the project, along with associated cabling and road. Road to Turbines 7/8 will be changed; new location is uncertain at this point. Both of these changes are due to archaeological finds. Elimination of Turbine 14 also removes potential for impact to a wetland area and cable crossing of the South Nation River.

There is a new woodlot to be considered in west area, due to cable shift. Only a few metres of the woodlot come within the 120 m buffer.

ELC

The ELC work at the site needs to be seamless coding. All those areas not currently coded should be added. Shaun mentioned that it would be helpful to have the codes and a full or at least more detailed inventory of the species within each area, outlined in the text. A list the top four species observed would be enough.

ELC field notes, methodologies and check lists should be included in an appendix of NHAR.

OWES

Proponents need to consider the entire wetland connected area, not just the land within 120 m boundary. Wetlands are part of large networks and serve linkage functions. It is important to determine the function of each wetland. MNR have not evaluated any wetlands in this area yet.

One unevaluated wetland has been identified near the project area, but outside 120 m. Prowind informed MNR that much of this identified wetland is now cornfield. Many other swamp areas were identified in the ELC and require further investigation.

It is possible to assume that a wetland is a PSW, but still need to identify the function and features of the wetland. A preliminary investigation is required and if the wetland seems to be large and part of a complex system and will be very expensive to evaluate, perhaps it is a good idea to assume significance. We must understand any impact the project will have on the wetland function.

Ron is comfortable with this system and MNR is confident that he knows what he is looking for.

Records Review

The records review has been updated since the last MNR/Prowind meeting, based on the NHA guidelines and other MNR feedback.

Erin has sent us SWH layers in the past (ie Sig. Woodlots). Rochelle will review the SWH habitat layers and talk to Erin regarding any missing information.

Since valleyland data is not available, this needs to be determined during site investigation. The methodology for identifying valleylands is outlined in the NHRM.

Amphibian monitoring

This is underway. Ron has a route planned out for frog monitoring and will be investigating potential vernal ponds for salamander monitoring.

Permits are not necessary if we are not collecting/trapping species.

Species at Risk

Species at Risk discussion goes in separate report.

It is risky to assume that a SAR is on site without surveying because then SAR permits are required and those are slow to proce0ss.

[redacted]

Look for bat cavities in woodlands.

Rare vegetation communities should be looked for on site, along with woodlot diversity and old growth. MNR directed Prowind to the go over the schedule on woodland diversity in the SWHTG.

Next Steps

Regular scheduled calls will not be set up, but we should communicate with the MNR on an ongoing basis whenever appropriate.

Prowind will review mapping and contact MNR for any missing information.

Erin will provide info on [redacted]

On-site investigations are ongoing.

Notes from Meeting with Kemptville MNR

Date: September 2, 2011, 9:30 am to 11:00 am

Location: Kemptville MNR Office

In attendance: Heather Zurbrigg (MNR), Amy Cameron (MNR), Marie Andree Cariere (MNR), Cathy Weston, Rochelle Rumney

Re: South Branch Wind Farm draft REA

- New NHAG document released. Appendix G is new and may be assistance with revisions, but not necessary to comply with this at this stage.

Site investigation

- Delineate only boundaries that are within 120 m.
- Remove references to fish habitat
- Pg 21. - bird and bat surveys are not necessary in field investigation sections. These are no longer a requirement and can be used for background research regarding WH discussions. This should be included in EOS.
- WH is always identified as candidate until significance is proven is EOS.
- Remove avian and bats survey methods from site investigation section and relocate into EOS as discussed above.
- Wetlands – Alternative method (App C) used because no direct impact to wetlands and in-depth wetland survey is time and costs intensive. This reasoning is deemed reasonable by MNR.
- Not necessary to include 'ANT' ELC codes in analysis.
- Section 6.1.6 – All critter studies go in EOS Section
- Site investigation should only include ELC and pre surveys, then link that to WH and evaluate for significance in EOS.
- Table 6 – remove bat and bid surveys
- Site investigation – necessary maps include: boundaries of wetlands, ELC, candidate SWH – mapping and analysis of WH.
- App D in updated NHAG may be helpful here – if no x in grid (from table) but within 120 m of project, becomes generalized candidate WH
    - OR do ELC boundaries vs. WH schedule

- Regarding Table 7
    - identify type of Candidate SWH – amphib for ex.
    - call it candidate instead of significant
    - take out significance column
    - include exhaustive list of CSWH.

- Pg 33 – 6.3 – sig woods.
    - carry forward sig woodlands to EOS even if previously identified as sig.
    - take reference to SWH out of woodland discussion, not relevant to it's significant determination.

- Wetlands – regroup if they are part of same feature

- Add comments section to table and add notes of interest eg. If wetland is alos a woodland, etc.

- Remove all text regarding woodlands and wetlands discussion, table summary is sufficient

- Section 6.4.9 – remove reference to floodplain and put it in appendix with SNC correspondence

- Valleylands – include a clear conclusive statement regarding findings

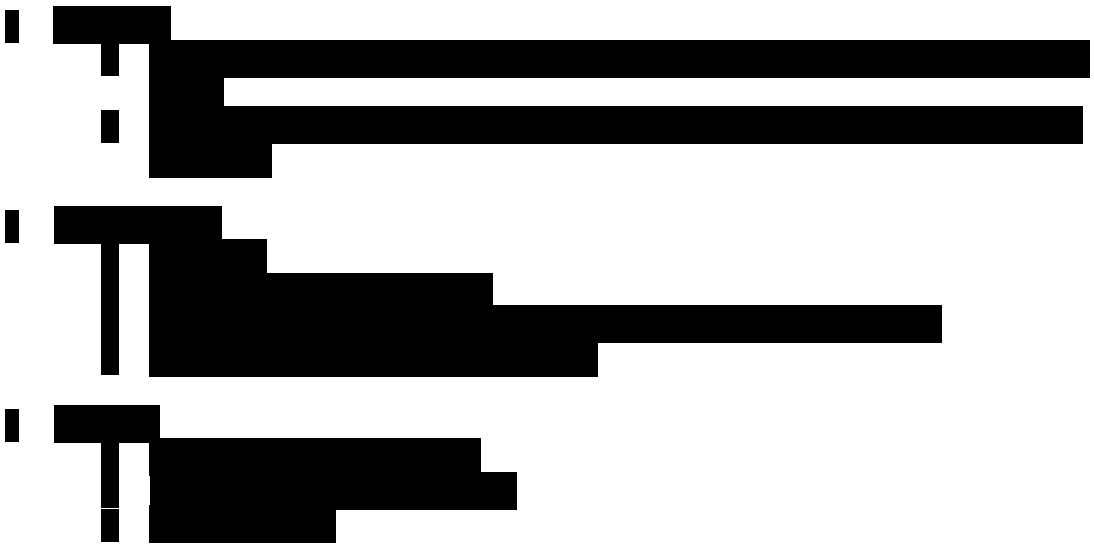
- Remove table 10

- Move a lot of text to EOS, bird surveys, etc.

EOS

- Use more specific agriculture codes – identify which types of crops are found in agricultural ELC areas

SAR



- [redacted]
- [redacted]
- [redacted]
- [redacted]

EIS

- remove fish disturbance
- MNR will review further.

post construct

- Prowind will adjust timing and resubmit. this will go to someone at a different branch for comments and back to MNR

Subject: South Branch comments
Date: Monday, September 26, 2011 4:47 PM
From: Zurbrigg, Heather (MNR) <Heather.Zurbrigg@ontario.ca>
To: Rochelle Rumney <rrumney@prowind.ca>
Cc: "Cameron, Amy (MNR)" <Amy.Cameron@ontario.ca>, "Fleischhauer, Andrea (MNR)" <Andrea.Fleischhauer@ontario.ca>

Comments for Prowind South Branch wind project NHA:

Thank you for sending us the updated NHA report documents. This report is much clearer and much more complete.

Could you please address the following comments with respect to your NHA for the Prowind South Branch wind farm.

Additionally we will be sending the Environmental Effects Monitoring Plan to a science specialist who will provide comments on this document. This document is not required in order for the NHA confirmation letter to be signed.

- Table 7 pg. 28, we'd like to see indicated in this table the component of the project location that the woodland is near. Eg: WO1 is 33m from a laydown area. These distances from project location to features need to be indicated on a woodlands map. See comment re: appendix A
- Please take out any references to Species at Risk in the NHA report
- Appendix F: Wetland survey information: we need to have the full table from Appendix C used for the wetland evaluation section. Note that under the "special features" section in Appendix C, features such as downed woody debris, fallen logs, cavity trees etc. need to be spoken to. If there weren't any found state this as well.
- In SWH table 9, were snake hibernacula searched for during site investigation? Rock piles, crevices etc. this must be clear in the report that this feature was searched for.
- Table 8 on page 31 – wetland ID codes need to correspond to Appendix F unit codes. And we need an intuitive map (ELC mapping might be fine, as long as the codes are represented and the distances are clear from the project location to the boundaries of identified natural features)
- Regarding the meadow marsh that has been tile drained, if this is no longer on the site, this needs to be removed as a wetland in table 8 and any other reference to it later on

- Appendix A: please add a woodlands map and a wetlands map. On the SWH maps, we need to see features more clearly. Some of the features cannot be seen clearly, could you have the larger map as an inset where possible and the main map as a zoomed in picture of the feature itself please.
- In the EOS section, will need to see the dates of the beginning and ending of the evaluation of significance.
- Pg 42 – take out 'no significant wildlife habitat was identified within this woodland' at the bottom under 'uncommon characteristics' as this does not apply. Same at bottom of pg. 43 wrt woodland 11
- Turtle nesting and overwintering needs to be addressed
- Table 9 – put N/A in the CSWH id column if the feature does not apply such as: shorebird migratory stopover areas; butterfly migratory routes and stopover areas; deer wintering areas; bat migration should come off of the table
- Table 11 – instead of the reference to the NHRM in the EOS criteria and procedures, please make reference to the NHAG
- Pg 40 – woodlands - in the evaluation criteria: reference the NHAG not the NHRM. Remove all wording in the text to follow about the NHRM but keep the wording about the criteria used. Under **proximity** to other woodlands or other habitats add the following sentence " the woodland must be at least 4 ha in size". Under **water protection** add the following sentence " the woodland must be at least 2 ha in size". Under **woodland diversity**, add the following sentence "the following species must be present and occur naturally (not planted): sugar maple, black maple, silver maple, red maple, yellow birch, hickory, beech, black ask, walnut, tamarack, spruce, pine, oak, basswood, or hemlock and the woodland must be 4 ha in size". Under **uncommon characteristics**, the criteria should be changed to read the following: "woodlands are considered significant if they have a vegetation community of the provincial ranking of S1, S2, or S3 and are 0.5 ha in size or larger; habitat of a rare, uncommon or restricted plant species and are 0.5 ha or more in size; characteristics of older woodlands or woodlands with larger tree size structure in native species and are 2 ha or larger".
- Woodlands: Delete all references to economic and social values as this criteria does not apply to RE projects.
- Section 7.1.3.1 – under woodland diversity, change the entire wording to state the following: WO11 is composed entirely of silver maple deciduous swamp which is a native forest type. Criteria in the NHAG for woodland diversity indicate that this woodland type has had major reductions in the natural

distribution in the landscape, south and east of the Candian shield. However, the woodland does not meet the area threshold for significance. WO11 cannot be considered significant for woodland diversity.

- Pg 44, please change wording in final paragraph "consultation with the MNR indicated an **agreement** with the findings that WO11 is not a significant woodland"
- Table 12 under evaluation of significance, you should call this "assumed significant" rather than just significant.
- Pg 46 under table 13, in the date of evaluation column we want to see the dates of the surveys and not a reference to an appendix.
- Pg 49 section 7.3.1 – aquatic: last sentence should be updated " none of the… can be considered…" (not cannot)
- Amphibian point count map required – (include salamander surveys locations also.) we need to know where survey locations were. WHF1 and WHF2 will be considered significant wildlife habitat since more than 20 spring peepers heard. Will need to see a zoomed in map identifying the distance between WHF1 and WHF2 to the project components (temporary and permanent).
- Section 7.3.8 – osprey nest: is there an active osprey nest here? If not it's not candidate SWH
- Section 7.3.9 – need to speak to presence or absence of nests for raptor nesting. -- Only need to know for WHJ1 and WHJ7 according to appendix D of the NHAG, these are not a consideration if within 120m of an overhead distribution line.
- 7.3.10 - - should have two considerations
    - Area-sensitive bird breeding habitat (interior forest breeding habitat)
    - Area-sensitive bird breeding habitat (open country breeding bird habitat) –

Interior forest breeding habitat will not need to be considered.
Open country breeding habitat needs to be considered within 120m of a turbine only

- these need to be at least 30 ha in size, cannot be active AG land, and have to have species present as indicated in the 6E criteria schedule

- re: Species of conservation concern: assume significance of the snapping turtle and propose general construction mitigation. Call this 'general candidate significant wildlife habitat' -- Timing restrictions and silt fencing etc. would be sufficient mitigation.

We will have comments on the bird surveys later this week and will comment on

the EIS after we have received the above noted changes. Please let me know if you have any questions or comments. I suggest we have a phone conversation soon. If you are available Wednesday afternoon to have a conversation about this report, please let me know. Otherwise we can find an alternate time.

Thanks!
-Heather

Heather

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

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Hi Heather,

As requested I have produced a map with all the bird surveys completed at the South Branch Wind Farm to date. The surveys and the year conducted are outlined in the table below. The map is attached.

Survey	**Year conducted**
Spring Migration	East – 2008 West – 2010
Winter Area Searches	2009
Breeding Area Searches	2010
Species at Risk Breeding	2010
Fall Migration	2010
Nocturnal Owl	2010

I have also included an overview map of the Candidate Significant Wildlife Habitat, as this is an important exercise to complete prior to any fieldwork, as the MNR has indicated.

It is my understanding that pre-construction avian and chiropteran surveys are no longer a priority for the MNR, and that post-construction monitoring is now the emphasis for determining impact to birds and bats at wind farms. I understand that we have to complete fieldwork for any candidate significant wildlife habitat to verify or exclude the area as significant, but outside of that, I believe no further fieldwork for bird species should be required based on the *NHAG*, and our discussion at MNR offices in early September.

As you know, Prowind is caught in the middle of the transition period between the old ESR process and the new REA process. We have also been transitioning with the Ontario government as everyone learns more about the interactions between birds/bats and wind turbines. As a result of this learning period, Prowind went above and beyond the requirements for both bird and bat monitoring in the pre-construction period because it was at one time a requirement, but is no longer. We have been conducting pre-construction monitoring on this site for more than three years. We have carefully assessed populations during every season and have considered several species of special interest including [redacted] and Owls. Additionally, Prowind conducted, with the agreement and cooperative planning of MNR, a $200,000 study to help foster and increase our understanding of regional bat species distribution and movements. We have yet to hear any word from MNR on how or whether that data is being used.

The results of all surveys consistently indicate low risk to bird populations in the area from the wind farm and its construction. We made our best effort to construct this project with as little impact to the remaining natural landscape as possible. We are not removing any habitat, we are outside of all natural features and we have thoroughly studied those natural features that are within 120 m of the project footprint. We choose to build projects on agricultural land for this exact reason. The landscape is already ecologically compromised due to ongoing farming activities, so further development (in a sensitive manner) will create minimal additional impact.

A specific nest survey was not completed for the project area; however, area search methodology specifically aims to document the highest level of breeding status, including the finding of nests.

Therefore, nests were searched for and recorded during the breeding bird area searches. The results of those surveys have been presented to MNR in the *South Branch Wind Farm Pre-construction Avian Surveys and Risk Assessment*. This survey was conducted for the entire project area over three days and took 42 hours to complete. Row crops were not actively searched, as they provide poor habitat for any bird species. The amount of land that is not row crop is small, allowing a thorough search of all potential habitat to be conducted during the 42 hours of area searches. The breeding survey closely followed the methodology in the Breeding Bird Atlas which looks at all evidence pertaining to nesting species whether it is singing birds, birds chasing one another, nests, etc. The woodlots are so small and fragmented within the project area that the likelihood of raptor breeding (and nests) is low at this project site.

Our biologist has indicated that specific nest surveys will likely have little value as nests are extremely hard to find, and often end up creating more damage to nests (by way of possible abandonment of nests during nest checking) than they provide valuable information. If the MNR feels this is valuable, please tell us what you plan to do with this information beforehand so that we can cater the surveys to your needs.

As you can see on the CSWH map, there are two main areas that have been identified as Candidate Significant Wildlife Habitat for birds: the woodlands immediately west and east of turbine 1 and the woodland north of turbine 13. During Breeding Area Searches these woodlands were thoroughly searched, including any nests, specifically stick nests.

It is our belief that this project has been well searched for bird species and habitat during all times of the year. The results of these surveys indicate the site is at low risk for disruption to birds and their habitat. The environmental sensitivity of this area is low; a perfect place for this type of development.

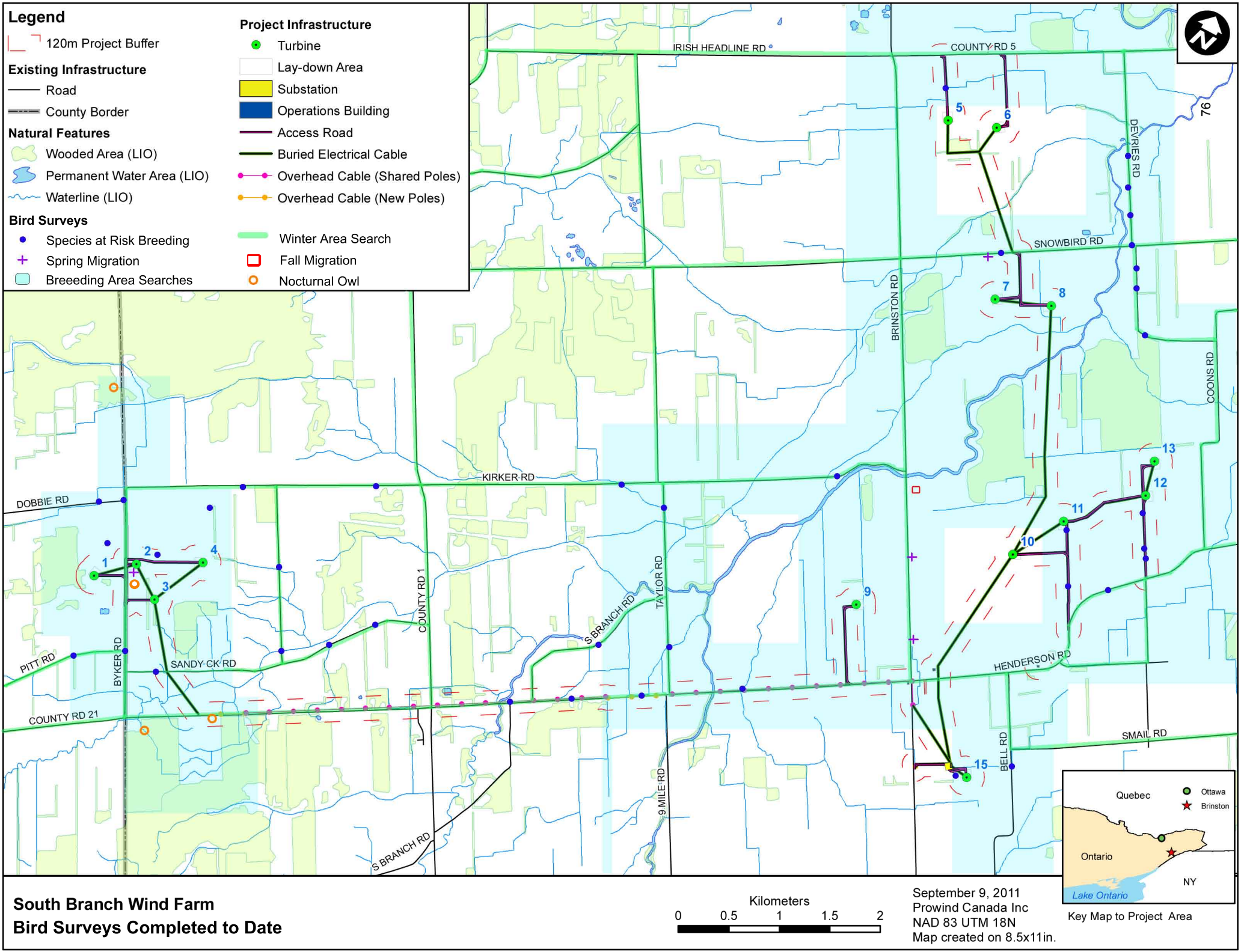
In light of the above detail we are kindly seeking your agreement that the assessments of bird and bat populations and significant habitats in the project area is sufficient for the purpose of confirming limited or low probability of negative impacts and that no further studies are warranted,

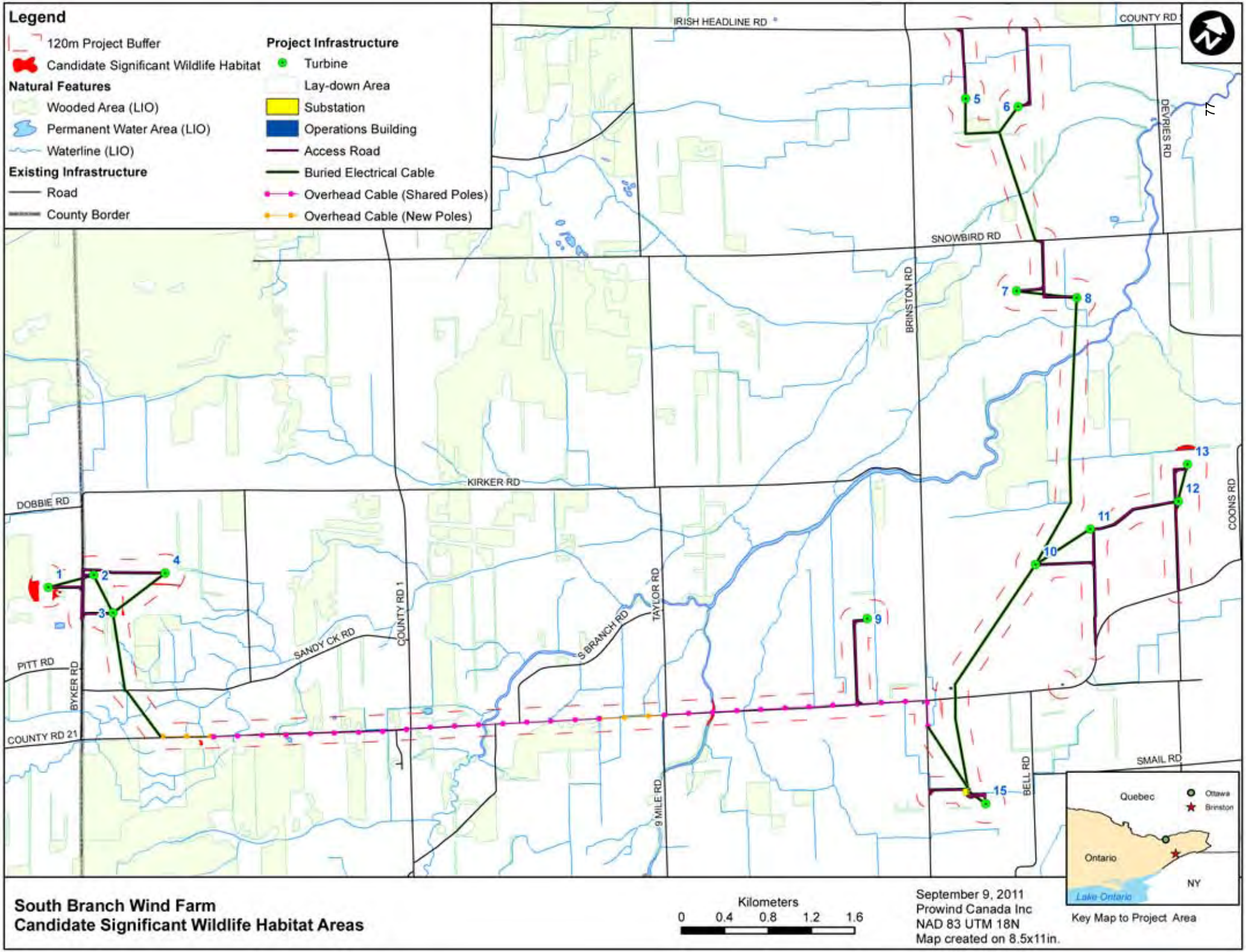
If the MNR disagrees with this statement, we would respectfully like to understand what practical or tangible changes to the project design or development could occur as a result of new information found.

Thank you for your time reviewing this response and the map we have prepared. Please let me know if you have any questions.

Thanks so much,

Rochelle Rumney


Legend
120m Project Buffer
Existing Infrastructure
Road
County Border
Natural Features
Wooded Area (LIO)
Permanent Water Area (LIO)
Waterline (LIO)
Bird Surveys
Species at Risk Breeding
Spring Migration
Breeeding Area Searches
Project Infrastructure
Turbine
Lay-down Area
Substation
Operations Building
Access Road
Buried Electrical Cable
Overhead Cable (Shared Poles)
Overhead Cable (New Poles)
Winter Area Search
Fall Migration
Nocturnal Owl
IRISH HEADLINE RD
COUNTY RD 5
DEVRIES RD
76
SNOWBIRD RD
BRINSTON RD
COONS RD
KIRKER RD
DOBBIE RD
COUNTY RD 1
TAYLOR RD
S BRANCH RD
HENDERSON RD
BYKER RD
PITT RD
SANDY CK RD
COUNTY RD 21
9 MILE RD
BELL RD
SMAIL RD
1
2
3
4
5
6
7
8
9
10
11
12
13
15
Quebec
Ottawa
Brinston
Ontario
NY
Lake Ontario
Key Map to Project Area
South Branch Wind Farm
Bird Surveys Completed to Date
Kilometers
0
0.5
1
1.5
2
September 9, 2011
Prowind Canada Inc
NAD 83 UTM 18N
Map created on 8.5x11in.



South Branch Wind Farm
Candidate Significant Wildlife Habitat Areas

September 9, 2011
Prowind Canada Inc
NAD 83 UTM 18N
Map created on 8.5x11in.

Key Map to Project Area

Subject: comments for South Branch wind farm
Date: Monday, October 24, 2011 2:46 PM
From: Zurbrigg, Heather (MNR) <Heather.Zurbrigg@ontario.ca>
To: Rochelle Rumney <rrumney@prowind.ca>
Cc: Cathy Weston <cweston@prowind.ca>, "Seabert, Michael (MNR)" <Michael.Seabert@ontario.ca>, "Thompson, Erin (MNR)" <Erin.L.Thompson@ontario.ca>, "Fleischhauer, Andrea (MNR)" <Andrea.Fleischhauer@ontario.ca>, "Hale, Lesley (MNR)" <Lesley.Hale@ontario.ca>, "Cameron, Amy (MNR)" <Amy.Cameron@ontario.ca>
Priority: Highest

Hi Rochelle,

We have had a chance to look over your NHA and have a few final minor comments for you to address. I have also attached the comments from Lesley Hale who did the review for the Post-construction monitoring Plan. The only thing that needs to be addressed before the **NHA letter** can be issued are the NHA comments (section 1 below), everything else will need to be addressed as well, but the NHA letter is not contingent upon them.

1) Comments on the NHA report:

a) Site Investigation:

· Bat migration is no in the SWHTG and as the Ecoregion criteria document is an advice piece only, please remove this category from Table 9 on page 38.

b) Evaluation of Significance:

· dates of beginning and ending of EOS, this does not just include the site visits, but the evaluation itself

· table 13 and CSWH detailed maps for waterfowl stopover and staging area (aquatic) vs (terrestrial) seem to have differing information. WHA1-4 are 'aquatic' in the table, but 'terrestrial' in the mapping

c) Environmental Impact Study:

· **No preconstruction bird surveys will be required.**

d) Avian survey – pre-construction – comments:

· waterfowl staging survey – pg. 10 – what were the results of the talks with local landowners

· Take out references to Species at Risk (namely bobolink, there are many references to this species) as well as any other references that might be in any other documents (eg: the MKI report)

· Pg 16 – Canada goose is migratory. Not 'semi-migratory' – there are resident members but as a species it is considered migratory

2) Species at Risk:

If you could please ensure you are in touch with Erin Thompson with respect to direction

regarding any permitting requirements under the ESA for post construction monitoring. And she will be in touch with you with comments from the Species at Risk report you have sent in shortly.

3) Other permitting requirements:

Post construction monitoring: – a Scientific collectors permit will be needed for collecting, monitoring, and handling any wildlife. This won't need to be obtained immediately, and is only valid for a year, so will need to be applied for each year of post-construction monitoring through the MNR.

I'm looking forward to seeing the finalized report and hopefully we can get a confirmation letter out to you imminently. Please let me know if you have any questions

Talk soon,
Heather

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

gx **When necessary, it's OK to print this e-mail. Paper is a recyclable, biodegradable, renewable, and sustainable product made from trees.**
Growing and managing forests is good for the environment providing clean air, clean water, wildlife habitat, carbon storage, and spiritual respite. Working forests provide jobs and support communities for millions of people.

South Branch PCMP
Comments L Hale

Page 5 "Searching will be carried out every third day on rainless days, or nearest sampling days in the event of rainfall." – rainfall should not be a deterrent for carcass searches – only weather which would be considered dangerous conditions should cause postponement of searches. Searches should be conducted twice a week or every 3-4 days.

Page 5 "Bat sampling will occur between May 1st and Sept 30th" – the finalised bat guidelines state that bat be conducted until Oct 31st along with the bird searches. As such we request this to be revised in this plan.

Page 6 It is recommended that carcasses of these species found during bat mortality searches may be sent to the Canadian Cooperative Wildlife Health Centre for analysis of White Nose Syndrome (rather than buried):

- *Myotis septentrionalis*
- *Myotis lucifugus*
- *Myotis leibii*
- *Perimyotis subflavus*
- *Eptesicus fuscus*

Page 7 For searcher efficiency trials it should be noted that no more than 3 trial carcasses should be placed at any one time.

Page 9 Contingency Plan
This section needs to be revised to better reflect the requirements of the bird and bat guidelines. Sections that are missing include the following:

<u>BIRDS</u>
- A significant bird mortality event is defined by this Guideline to have occurred when bird mortality during a single mortality monitoring survey exceeds:
    - 10 or more birds at any one turbine; or
    - 33 or more birds (including raptors) at multiple turbines

- The distribution and species composition (e.g. provincial conservation concern species) of bird fatalities should be considered when developing contingency plans. MNR's Natural Heritage Information Centre (Appendix E) is a useful source for identifying and considering birds of provincial conservation concern.

- subsequent two years of scoped mortality and effects monitoring at individual turbines (and unmonitored turbines in near proximity), following any given year where an annual post-construction mortality reports identifies significant bird or raptor mortality

- Three years of effectiveness monitoring where mitigation applied

<u>BATS</u>
- Should significant mortality be observed, and operational mitigation implemented, post-construction monitoring should be conducted for an additional 3 years from the implementation of operational mitigation, to evaluate the effectiveness of the mitigation.

- Operational mitigation for bat mortality consists of changing the wind turbine cut-in speed to 5.5 m/s (measured at hub height), or feathering of wind turbine blades when wind speeds are below 5.5 m/s.

- Where a post-construction monitoring annual report indicates the annual bat mortality threshold of 10 bats/turbine/year has been exceeded, operational monitoring will be implemented across the wind power project (i.e. at all turbines) from sunset to sunrise, from July 15 to September 30. This mitigation will continue for the duration of the project. Should site-specific monitoring indicate a shifted peak mortality period (e.g. due to higher latitude projects), operational mitigation may be shifted to match the peak mortality, with mitigation maintained for a minimum of 10 weeks. Any shift in the operational mitigation period to match peak mortality should be determined in coordination with and confirmed by MNR.

- Where post-construction mitigation is applied, an additional 3 years of effectiveness monitoring is required. Monitoring the effectiveness of any post-construction mitigation techniques will help to evaluate the success of this mitigation.

NOTE: the operational mitigation for bats is required for the **duration of the project**. The mitigation for birds may or may not include operational mitigation and will be dependent on results of scoped mortality and effects monitoring. If mitigation is required then it too is for the duration of the project. The plan should separate mitigation/contingency plans for birds and bats.

The plan needs to address how mortalities of species at risk will be handled.

The plan needs to note that all raw data will be submitted to the Wind Energy Bird and Bat Monitoring Database

Ministry of Natural Resources

Kemptville District

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Tel: 613-258-8204
Fax: 613-258-3920

Ministère des Richesses naturelles

District de Kemptville

10 Dr. Campus
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Téléc.: 613-258-3920

Ontario

October 31, 2011

Rochelle Rumney
Prowind Canada, Inc
226 ½ James St. N., Unit A
Hamilton, ON
L8R 2L3

To Ms. Rumney,

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 South Branch Wind Farm in the Township of South Dundas and the Township of Edwardsburg/Cardinal submitted by Prowind Canada, Inc.

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.

In addition to the NHA, Environmental Effects Monitoring Plans that address post-construction monitoring and mitigation for birds and bats must be prepared and implemented. It is recommended that post-construction monitoring plans be prepared in accordance with MNR Guidelines and be reviewed by MNR in advance of submitting a

REA application to MOE in order to minimize potential delays in determining if the application is complete.

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.

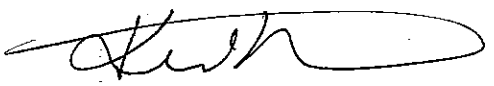
Where specific commitments have been made by the applicant in the NHA with respect to project design, construction, rehabilitation, operation, mitigation, or monitoring, MNR expects that these commitments will be considered in MOE's Renewable Energy Approval decision and, if approved, be implemented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

Please be aware that your project may be subject to additional legislative approvals as outlined in the Ministry of Natural Resources' *Approvals and Permitting Requirements Document*. These approvals are required prior to the construction of your renewable energy facility.

If you wish to discuss any part of this confirmation or additional comments provided, please contact Heather Zurbrigg, Renewable Energy Planning Ecologist, at heather.zurbrigg@ontario.ca or at (613)-258-8366.

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 H3

CONSULTATION WITH
MINISTRY OF TOURISM AND CULTURE

Correspondence with Ministry of Tourism and Culture

South Branch Wind Farm

Contact Name	Method	Date	Message	Message Sender	Attachments
Penny Young	email	5/28/10	Hi Penny, I wanted to get in touch with you regarding two things. First – We sent you two Heritage Impact Assessments for the Innerkip Wind Farm and the Gunn's Hill Wind Farm at the end of April. I didn't hear anything back from you at the time, so I wanted to make sure you received those and if so, see if you had any feedback for us. Second – we are working on a contact list for another wind farm in Eastern Ontario, South Branch Wind Farm, within the Unites Counties of Stormont, Dundas and Glengarry. Are you the appropriate contact at the MTC to receive draft REA documents for review. Thanks Penny. Have a great weekend, Rochelle	Penny Young	
Penny Young	email	6/1/10	Dear Rochelle Sorry about the delay in getting back to you, I was sick on Monday. So second issue first - I am not the Eastern Ontario contact - Katherine Kirzati in my officer is and she can be reached at 416-314-7643. First - I have not completed my review of the 2 reports, I hope to by the end of this week. Thanks, Penny	Penny Young	
Jim Sherrat	email	11/16/10	Hi Jim, As per my earlier voicemail, I wanted to send along an email to give you some more detail on our project and my questions. We are proposing the South Branch Wind Farm, a 30 MW near the town of Brinston, or the larger community of Morrisburg. We have a FIT contract and are hoping to submit our REA before the end of the year. First of all, are you the appropriate contact for projects in eastern Ontario? Our archaeology consultant, Paul Racher, suggested we contact you. My main question is regarding archaeology requirements in road allowances. We need to build a connecting electrical line within the road allowance for an approximate 7 km stretch between two different areas of our wind farm. This will either be an overhead line or a buried cable. Are we required to do a Stage 2 archaeological survey for this area? It will be entirely within the municipal road allowance. If so, what are the requirements for these areas, as they are mainly grassed ditches and cannot be ploughed. Thanks for your help with this. Please feel free to give me a call (905-745-4719) or email whenever you can. Take care, Rochelle Rumney	Rochelle Rumney	

Contact Name	Method	Date	Message	Message Sender	Attachments
Shari Prowse	email	11/17/10	Hi Rochelle, I have been asked to respond to your question. My role is the archaeology GEA/REA coordinator for my Ministry but I may not be the reviewer of the assessment reporting. I would recommend that you direct your consultant archaeologist to do a Stage 1 (with visual confirmation and providing supporting photodocumentation) for this area and if the Stage 1 indicates/confirms that it is all disturbed a Stage 2 will not required. It is possible that there may be pockets of potential within this area (e.g. water crossings) that will require Stage 2 or some limited Stage 2 testing will be required for areas where the level of disturbance is unclear. We see the latter all the time for areas adjacent to roadways but it will not be clear if this is the case for this stretch without carrying out the Stage 1 assessment. If you have any additional questions regarding this, please do not hesitate to get back to me. Shari Prowse, MA Archaeology Review Officer-Southwest Region Culture Programs Unit	Shari Prowse	
Micheal Otis, Don Lewis, Heather Zurbrigg, Amy Cameron, Hugh Garlough, Ben De Haan, Michael Wildman, Terri Forrester, Sandra Mancini, Mathieu Leblanc, Debra McKinstry, "mayor@twpec.ca", Katherine Kirzati, Sandy Hay, Lesley Todd, Helen Thomson, Brenda Brunt, Sheryl Lusk, Shari Prowse	email	8/1/11	Hello All, I'm pleased to report that the updated Draft REA reports for South Branch Wind Farm are now available on our project website. You may download some or all of these reports as needed. http://www.prowind.ca/?page=projects-south-branch Please let me know if you would like me to provide you with a CD of the reports or if you have any difficulties in downloading this information. We welcome your comments on any aspect of this project. Thank you in advance for taking time to consider the proposed project. Kind regards, Cathy	Cathy Weston	

Contact Name	Method	Date	Message	Message Sender	Attachments
Paula Kulpa	email	08/09/11	Subject: Heritage Assessment Report Project: Proposed South Branch Wind Farm Applicant: Prowind Canada Inc. Location: Township of South Dundas, United Counties of Stormont, Dundas and Glengarry and Township of Edwardsburgh, United Counties of Leeds and Grenville MTC File No.: PLAN-00EA057 Paul, Please find attached the Ministry of Tourism and Culture's comments on the project report mentioned above. <<SouthBranchWindFarm_SDG-LGRE-MTC-9Aug2011.pdf>> If you have any further questions, please feel free to contact me. Regards, Paula		SouthBranchWindFarm_SDG-LGRE-MTC-9Aug2011.pdf
Paula Kulpa	email	08/25/11	Dear Paula, RE: Submission of the revised heritage report entitled "Heritage Assessment Report, South Branch Wind Farm (FIT FT3B1IC), Townships of South Dundas and Edwardsburgh/Cardinal, Geo. Townships of Matilda and Edwardsburgh, United Counties of Stormont, Dundas and Glengarry and United Counties of Leeds and Grenville, Ontario." Attached please find a revised electronic copy of the above-mentioned report. This heritage assessment was carried out under contract to Prowind Canada Inc. as part of a Renewable Energy Approval (REA) application, in accordance with Ontario Regulation 359/09 under Part V.0.1 of the Environmental Protection Act. The deadline for the submission of their application is September 15th, 2011. As such, we kindly ask that any comments/required revisions to the report be provided as soon as possible in order to maintain the project timeline. Proponent Designated Contacts Cathy Weston President Prowind Canada Inc. 226 ½ James St. N, Unit A Hamilton, ON L8R 2L3 Tel: (613) 894-4656 Fax: (866) 203-6516 cweston@prowind.ca Rochelle Rumney Environmental Coordinator Prowind Canada Inc. 226 ½ James St. N, Unit A Hamilton, ON L8R 2L3 Tel: (905) 528-1747 Fax: (866) 203-6516 rrumney@prowind.ca Best regards, Christina.		ARA - Heritage Assessment Report - South Branch Wind Farm (August 25, 2011).pdf

Ministry of Tourism and Culture

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Programs and Services Branch
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Ministère du Tourisme et de la Culture

Unité des services culturels
Direction des programmes et des services
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Téléc. : 416 314 7175

August 9, 2011 **(by E-mail only)**

Paul J. Racher
Vice President, Operations
Archaeological Research Associates Ltd.
97 Gatewood Road
Kitchener, ON N2M 4E3

Subject: **Heritage Assessment Report**
Project: **Proposed South Branch Wind Farm**
Applicant: **Prowind Canada Inc.**
Location: **Township of South Dundas, United Counties of Stormont, Dundas and Glengarry and Township of Edwardsburgh, United Counties of Leeds and Grenville**
MTC File No.: PLAN-00EA057

Dear Mr. Racher,

Thank you for the opportunity to comment on the Heritage Assessment report related to the above noted proposed project.

The Ministry of Tourism and Culture's (MTC) interest in this proposed project relates to our mandate of conserving, protecting and preserving Ontario's heritage including cultural heritage landscapes, built heritage resources and archaeological sites.

This office has reviewed the above-mentioned report, and has the following comments:

Section 1.0 Introduction

In providing an overview of the approach to conducting this heritage assessment, the third bullet (page 1) indicates that one of the steps was: "An evaluation of the significance of any identified cultural heritage features, within the context of regionally-significant heritage themes". Ontario Regulation 359/09 Renewable Energy Approvals requires that any identified heritage resources be evaluated against Ontario Regulation 9/06 Criteria for determining cultural heritage value or interest. This overview should explicitly mention the use of O. Reg. 9/06 as it is a requirement under the renewable energy approvals regulation.

Section 3.0 Methodology

The second paragraph on page 5 states that: "As Ontario Regulation 9/06 does not pertain specifically to [cultural heritage landscapes], evaluation criteria for these potential heritage features must be sought in other sources (see Section 6.4.1)." O. Reg. 359/09 requires that heritage resources, including cultural heritage landscapes, be evaluated using O. Reg. 9/06.

The document indicates that several guidelines and policies supported the development of this heritage assessment. These included the Planning Act and the Provincial Policy Statement (PPS 2005). While it is appropriate to use definitions from the PPS 2005 if they are not defined within O. Reg. 359/09, the Planning Act does not apply to the renewable energy approvals process, therefore these references, including section 2.6.1 of the PPS 2005 should be removed from the report. O. Reg. 359/09 accounts for the consideration of cultural heritage resources. Additionally, the document cites Part III.1 Standards and Guidelines for Provincial Heritage Properties. Unless a project is located on a provincial heritage property this policy does not apply and the reference should be removed from both this section and Section 8.0 References.

The report indicates that once heritage resources are identified and have been evaluated to determine if they are of cultural heritage value or interest, "project impacts on these heritage resources were evaluated and measures were proposed to avoid/eliminate/mitigate the impacts, if needed." There is no discussion of a methodology for this part of the heritage assessment. Additionally, the report does not provide a definition of impact(s).

Section 5.0 Archaeological and Historical Context

While some cultural heritage landscapes may have strong associations with Aboriginal communities, to understand the value of built heritage and cultural heritage landscapes, knowledge of historical development is often more important than pre-contact activity. MTC is aware that a separate archaeological assessment has been prepared for this project and submitted to MTC for review. Therefore, it is not necessary to include detailed information on the archaeological context of the study area within the heritage assessment.

Section 6.0 Identification of Heritage Resources

The report states that in order to identify existing Built Heritage (BH) resources and Cultural Heritage Landscapes (CHL) lying within or near the study area, a number of sources were considered. These included the Ontario Heritage Properties Database. The database, which is accessed through the Ministry's old website, has a disclaimer stating that as of 2005 the database is no longer being updated. Therefore it should not be considered a comprehensive source of information on previously identified heritage resources. Additionally the date included in the citation (page 30 and 42) should be revised to say 2005 rather than 2008. The report also indicates that both municipalities were contacted to obtain further information regarding properties designated under Part IV of the Ontario Heritage Act (OHA) as well as those properties identified as having potential heritage value. Any Heritage Conservation Districts designated under Part V of the OHA should also be considered.

On page 31 of the report it states that: "there may be individual historic properties whose heritage value was historical or associative in nature and not apparent upon visual examination alone. These were not included in this report." This statement conflicts with the evaluation forms for several of the properties included in the *Appendix: South Branch Wind Farm Potential Heritage Resource Inventory*. Specifically, resources 3, 6, 11 and 12 indicate that these properties have only associative / historical value.

Section 6.1 Heritage Resource Inventory

A statement to support a positive identification of cultural heritage value or interest for the potential heritage resources identified during the windshield study was included in the fourth column in Table 1: South Branch Wind Farm Heritage resource Inventory and CHVI Evaluation (pages 32 and 33). The entries in this column should be revised to reflect the criteria in Ontario Regulation 9/06, i.e. physical, associative/historical, contextual, rather than the architectural style of a resource or its current use. For example the table indicates that potential heritage

resources #3 has cultural heritage value because it is Hulbert Valley United Church. It is not clear from this entry which of the criteria under O. Reg. 9/06 this property meets.

Section 6.3 Impact Evaluation of CHVI Resources

To clarify, the Heritage Assessment requirements for the identification and evaluation of project impacts under Section 23 of Ontario Regulation 359/09 apply to any heritage resources identified at the project location and to any Protected Properties that abut the parcel of land on which the project is located. With that said, MTC supports the consideration of other heritage resources that are abutting or are adjacent to the project location as a best practice.

As stated previously, the report does not include a discussion of what constitutes an impact and how impacts were evaluated. This section mentions that there will be no direct impact on any of the heritage resources identified, but does not mention other possible impacts, including indirect ones such as visual impacts. Additionally, the report must consider all possible project impacts, this includes any impacts that may occur as a result of the construction, operation, and decommissioning of all renewable energy project components. MTC's *InfoSheet #5 Heritage Impact Assessments and Conservation Plans* provides some guidance on identifying and evaluating impacts to heritage resources.

Section 6.4 Cultural Heritage Landscapes

Table 2 *Evaluation of the South branch Wind Farm Study Area as a Cultural Heritage Landscapes* only provides an evaluation of the entire project study area, not smaller, individual potential cultural heritage landscapes that may be located throughout this area. However, on page 36 of the report it states that "The settlements of Brinston, Dixons Corners and Hulbert…clearly possess significant measures of CHVI." However the report does not include a formal evaluation of these settlements nor is there a statement indicating what their cultural heritage value is, along with a description of heritage attributes. These need to be included in the report.

This section of the report makes reference to several different documents that provide guidance on the identification and evaluation of cultural heritage landscapes. While documents such as those prepared by UNESCO and the United States National Park Service provide methodologies for the evaluation of any potential cultural heritage landscapes, these need to be tied back to the criteria in O. Reg. 9/06, as is required by subsection 23(1)(a)(i) of O. Reg. 359/09. Many of the characteristics included in Table 2 already reflect some of the associative and historical criteria in O. Reg. 9/06. Additional criteria that reflect the physical and contextual values listed in the regulation should also be included.

In Table 2 one of the considerations for determining the potential cultural heritage value or interest of the landscape is: "Characteristic B: [The landscape] is closely associated with the lives of individuals and/or families who are considered significant to the history of the area". The summary of the evaluation of the study area against this criterion states that: "The individual families responsible for the Built Heritage features within the study area all contributed to the heritage fabric of the region. However none of them appears to be of extraordinary historical significance." "Extraordinary historical significance" is not defined, nor does the table indicate that the study area needs to be of extraordinary historical significance in order for it to be of cultural heritage value or interest.

Similar to previous sections of the report, it states that there will be no negative impacts to heritage resources as a result of the need for turbines to meet the 550 metre noise setback requirement. However there is still the possibility of indirect impacts related to both construction activities, as well as the potential visual impacts of the turbines.

Section 7.0 Conclusions and recommendations

A summary of the overall conclusions and recommendations of the report should be presented in a separate section from any conclusions and recommendations related specifically to cultural heritage landscapes.

The final paragraph states that: “In a landscape such as this, visual impacts are unavoidable.” Subsection 23(1)(a)(ii) of O. Reg. 359/09 requires that if impacts are identified, that the heritage assessment report must propose measures to “avoid, eliminate or mitigate” those impacts. While the opportunity to avoid or eliminate impacts may be limited in some circumstances, impacts could be mitigated by changes to project layouts that place turbines outside of key viewsheds associated with properties, or through screening by either existing or new plantings, etc..

Section 8.0 References

The content of the Ministry’s document: *Conserving a Future for Our Past: Archaeology, Land Use Planning and Development in Ontario. An Educational Primer and Comprehensive Guide for Non-Specialists*, was revised in 1998, with a subsequent version released in 2003 that updated staff contact information. The date for the citation for this reference should be changed from 2005 to 1998.

Appendix: South Branch Wind Farm Potential Heritage Resource Inventory

The evaluation forms for resources 1 and 2 indicate that they are of cultural heritage value, yet only include the statement: “Modifications limit heritage value” as a comment under the Cultural Heritage Value column and corresponding to the first criterion under design/physical value. This does not provide enough information to demonstrate how either resource is of cultural heritage value or interest.

The evaluation forms for resources 8, 12, 18, and 28 state that the poor condition of the structures limits their heritage value. It is not clear how condition affects the cultural heritage value of a resource, as it may be possible to improve the condition through conservation, repair, or maintenance work.

Table 1 in the report indicates that resources 10 and 23 are of cultural heritage value. However, the individual evaluation forms for these resources do not indicate that they have met any of the criteria in O. Reg. 9/06. The report should be revised so that the information included in Table 1 and the individual evaluation forms is consistent.

The evaluation form for resource 27 indicates that this resource “is a rare, unique, representative or early example of a style, type, expression, material or construction method.” To support this determination it states that the “Log structure on property may be associated with earlier occupation of the property”. This statement does not appear to support this criterion, and instead appears to demonstrate that it may have associative or contextual value. It is also noted that this is the only resource of log construction identified within the study area, which may indicate that it is of physical value, however this would be independent of its potential association with any early occupation.

Conclusion

The heritage assessment report **is not considered complete** until the above comments are addressed and the following activities are undertaken and reported on:

- Remove detailed information related to the archaeological context from the report. Section 8.0 References should also be revised to reflect that this information has been removed from the report.
- For each potential heritage resources identified as having cultural heritage value or interest, revise the entries in Table to include a summary of all cultural heritage values as a reflection of the criteria from O. Reg. 9/06.
- Section 6.3 Impact Evaluation of CHVI Resources needs to be expanded to include a definition of the different types of potential impacts, along with a methodology of how impacts were evaluated. The report must consider all possible project impacts, this includes any impacts that may occur as a result of the construction, operation, and decommissioning of the renewable energy project. It is recommended that the revised report include visual aids to show how viewscapes/viewsheds will or will not be impacted by the proposed project.
- Additional physical and contextual values should be considered and included in Table 2 in section 6.4.2 Identification and Evaluation of Local CHLs, so that the evaluation reflects all criteria included in O. Reg. 9/06.
- Provide an evaluation and statement of the cultural heritage value or interest of the settles of Brinston, Dixons Corners and Hulbert.
- Ensure that the information provided in Table 1 and the Appendix is consistent.
- Make the remaining suggested editorial and citation revisions included in the comments above.

The above are comments from the Ministry of Tourism and Culture on the submitted report. The Ministry requests that you revise the report accordingly, and resubmit it to MTC for review and comment. The revised report can be submitted to MTC electronically as a PDF. We trust that this is of assistance; please let this office know if you have any questions or if you wish to discuss this further.

Regards,

Paula Kulpa
Heritage Planner | Culture Services Unit
Ministry of Tourism and Culture
(t) 416.314.7137 (e) paula.kulpa@ontario.ca

Cc: Chris Schiller, Manager, Culture Services Unit
Ministry of Tourism and Culture

Archaeological Research Associates Ltd.

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August 25, 2011

Archaeology Administrative Coordinator
Ministry of Tourism and Culture
Programs and Services Branch
401 Bay Street, Suite 1700
Toronto, ON M7A 0A7
Tel: (416) 212-4019

Dear Archaeology Administrative Coordinator:

> RE: Submission of revised report entitled "**Stage 1 and 2 Archaeological Assessments, South Branch Wind Farm (FIT FT3B1IC), Townships of South Dundas and Edwardsburgh/Cardinal, Geo. Townships of Matilda and Edwardsburgh, United Counties of Stormont, Dundas and Glengarry and United Counties of Leeds and Grenville, Ontario**." (MTC Licence #P007, PIF #s P007-264-2010 and P007-300-2011).

Please find enclosed one copy of the above-mentioned revised report and a digital copy on CD. The Archaeological Site Record forms for the Doyle Site (BfFu-4) and Shaver Site (BfFu-5) were previously submitted on July 25, 2011. This revised report addresses concerns raised by Andrew Hinshelwood in a review letter dated August 24, 2011.

These Stage 1 and 2 archaeological assessments were carried out under contract to Prowind Canada Inc. as part of a Renewable Energy Approval (REA) application, in accordance with O. Reg. 359/09 under Part V.0.1 of the *Environmental Protection Act*. The proponent has asked that their review be expedited on an emergency basis, as this project requires acceptance as part of the REA process. A date of **September 2, 2011** is requested for the review of this revised report. Additional Stage 1 archaeological assessments for this project were completed by AMICK Consultants Ltd. and submitted to the MTC (MTC Licence #P058, PIF #P058-440-2009 and #P058-452-2009).

Proponent Contact #1
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President
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Approvals Contact
Terri-Lee Forrester
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Terri.Forrester@ontario.ca

I the undersigned hereby declare that, to the best of my knowledge, the information in this report and submitted in support of this report is complete and accurate in every way, and I am aware of the penalties against providing false information under section 69 of the *Ontario Heritage Act*. Should you have any questions or concerns, please do not hesitate to contact me at your earliest convenience.

Best regards,

Paul J. Racher, M.A., CAHP, MTC Licence #P007
Project Manager/Principal Investigator
Archaeological Research Associates Ltd.
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August 31, 2011 **(by E-mail only)**

Christina E. Gohm,
Project Manager
Archaeological Research Associates Ltd.
97 Gatewood Road
Kitchener, ON N2M 4E3

Subject: **Heritage Assessment Report (Revised August 25, 2011)**
Project: **Proposed South Branch Wind Farm**
Applicant: **Prowind Canada Inc.**
Location: **Township of South Dundas, United Counties of Stormont, Dundas and Glengarry and Township of Edwardsburgh, United Counties of Leeds and Grenville**
MTC File No.: PLAN-00EA057

Dear Ms. Gohm,

Thank you for the opportunity to comment on the revised Heritage Assessment report (dated August 25, 2011) related to the above noted proposed project.

The Ministry of Tourism and Culture's (MTC) interest in this proposed project relates to our mandate of conserving, protecting and preserving Ontario's heritage including cultural heritage landscapes, built heritage resources and archaeological sites.

This office has reviewed the above-mentioned report, and has the following comments:

General Comments

The majority of MTC's comments and suggested revision outlined in the later dated August 9, 2011 have been addressed. However, MTC has some additional comments on the revised report that should be addressed.

The various terms are used throughout the document when referring to potential and known or identified cultural heritage resources, including "built heritage features" or "heritage sensitivities". Consistent terminology should be used throughout the report, and MTC recommends that the terms, "cultural heritage resources", "heritage resources", "built heritage resources", and "cultural heritage landscapes" be used, as these are consistent with the terminology used in the Ontario Heritage Act and in Ontario Regulation 359/09 (O. Reg. 359/09) Renewable Energy Approvals.

Additionally, any potential cultural heritage resources identified through background research and preliminary screening should be referred to as *potential* heritage resources until an evaluation against Ontario Regulation 9/06 determines that they are of cultural heritage value or interest. In the context of O. Reg. 359/09, Part 1 of the regulation defines "heritage resource" as:

"real property that is of cultural heritage value or interest and may include a building, structure, landscape, or other feature of real property". Therefore referring to something as a "heritage resource" when it either may not or has not meet the criteria for cultural heritage value or interest can be confusing for those reading the report.

Section 1.0 Introduction

As indicated in the previous review letter (Aug. 9/11), the Planning Act does not apply to the renewable energy approvals process, therefore any references, including the reference to section 2.6 of the PPS 2005 included on page 1, should be removed from the report.

Section 3.0 Methodology

On page 6 of the report, second paragraph from the bottom, it states that: "Ideally, project infrastructure would be modified to avoid/eliminate any impact, but should a given impact be unavoidable, a Heritage Impact Evaluation may be recommended as outlined in subsection 23(2) of O. Reg. 359/09." The specific subsection quoted here applies to protected properties that abut the parcel of land on which the project is located. In general, the provisions in section 23 of O. Reg. 359/09 require that if impacts are identified, that the heritage assessment report must propose measures to "avoid, eliminate or mitigate" those impacts. There is no requirement for a separate, additional Heritage Impact Evaluation if impacts cannot be avoided or eliminated.

This paragraph also lists tools available under the Ontario Heritage Act for protecting properties of cultural heritage value or interest. While a report may recommend that any heritage resources identified during the heritage assessment are eligible for protection under the Ontario Heritage Act, this recommendation alone may not be a sufficient mitigation strategy.

Section 6.2 Impact Evaluation of BH Resources of CHVI

Further assessment, analysis and clarification should be added to this section. Both here and in section 3.0 *Methodology* (page 5) the report indicates that possible project impacts can be categorized as either "physical" or "aesthetic". The ministry's guidance document *InfoSheet #5 Heritage Impact Assessments and Conservation Plans* lists possible impacts, although it does not divide them into categories. With that said, MTC suggests that it would be more appropriate to categorize impacts as either direct or indirect impacts, rather than as physical or aesthetic.

Additionally, the report states that "proximity of these potential impacts to the heritage resources is the most important factor to consider in their evaluation, as physical and aesthetic impacts that are associated with distant infrastructural elements can be discounted as insignificant." Would it be correct to assume that this is meant to refer to proximity of both potential impacts and project components? There may be other factors involved in evaluating impacts that could be relevant, such as elevation/topography, since some components (turbines) located on higher ground can be seen from a further distance. Additionally, the report does not provide a rational as to why impacts from project components that are located some distance from a heritage resource are considered insignificant, nor does it define what constitutes "distant" or "quite distant" or "sufficiently distant". These definitions and rationales should be included in the report.

The report does not indicate why the distances of 3.5km and 1.0km were selected as cut off distances when identifying distances between built heritage resources and the various project components (Tables 2 and 5, and 3 and 6, respectively), an explanation should be included in the report. Additionally, a stronger rationale should be provided to support the determination that project components are located a sufficient distance from any heritage resources identified that they will not be negatively impacted. Suggestions on how this can be demonstrated include:

- visual simulations showing heritage resources in relation to project components; or

- presenting a suitable minimal separation distance, including criteria and methodology for how this distance was determined and then comparing/applying this to the current project layout.

The report also states that "aesthetic impacts, however, are less tangible and more difficult to recognize." However, Tables 4 and 7 attempt to provide this analysis. Therefore, it would be appropriate to remove this statement from the report (pages 29 and 32). Additionally, in both Tables 4 and 7, the descriptions and related comments for the first four types of impacts make reference to impacting the heritage attributes or features of built heritage resources. The report does not provide a list of what the heritage attributes are for each of the 19 built heritage resources that were subject to impact analysis. Therefore, how was it determined that there would be no impacts to any of their heritage attributes?

MTC suggests that providing a statement of cultural heritage value which mentions the heritage attributes of each of the heritage resources identified in the report would help support the evaluation of project impacts.

Section 6.3 Cultural Heritage Landscape Inventory

The criteria in O. Reg. 9/06 and the methodology presented in UNESCO's document the *Operational Guidelines for the Implementation of the World Heritage Convention* are used to evaluate the four potential cultural heritage landscapes discussed in this section. Providing two evaluations for each potential cultural heritage landscape can be problematic. In the case of the evaluation of the entire Study Area they provided conflicting conclusions. According to the UNESCO approach the report identified it as a cultural heritage landscape, where as when evaluated against O. Reg. 9/06 the report determined that it did not meet any criteria and therefore was not of cultural heritage value or interest.

The comments related to impact evaluation on built heritage resources included above also apply to the evaluation to impacts to cultural heritage landscapes.

Section 8.0 References

The citation for Parks Canada's Standards and Guidelines for the Conservation of Historic Places in Canada should be corrected. The publication information should indicate that this document was published in Ottawa.

Conclusion

The heritage assessment report **is not considered complete** until the following matters are addressed and reported on:

- Provide a brief statement of cultural heritage value, along with a description of heritage attributes for the heritage resources (built heritage resources and cultural heritage landscapes) identified in the report.
- Provide further assessment, analysis and clarification in the sections related to project impacts on built heritage resources and cultural heritage landscapes, as suggested and discussed above.
- Make the remaining suggested editorial and citation revisions included in the comments above.

The above are comments from the Ministry of Tourism and Culture on the submitted report. The Ministry requests that you revise the report accordingly, and resubmit it to MTC for review and comment. The revised report can be submitted to MTC electronically as a PDF. We trust that

this is of assistance; please let this office know if you have any questions or if you wish to discuss this further.

Regards,

Paula Kulpa
Heritage Planner | Culture Services Unit
Ministry of Tourism and Culture
(t) 416.314.7137 (e) paula.kulpa@ontario.ca

Cc: Chris Schiller, Manager, Culture Services Unit
Ministry of Tourism and Culture

Paul J. Racher, Vice President, Operations
Archaeological Research Associates Ltd.

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September 7, 2011

Rochelle Rumney
Environmental Coordinator
Prowind Canada Inc.
226 ½ James St. N, Unit A
Hamilton, ON L8R 2L3

RE: **Colloquial Name of Project: South Branch Wind Farm**

Location: Township of South Dundas, United Counties of Stormont, Dundas and Glengarry and Township of Edwardsburgh, United Counties of Leeds and Grenville

OPA Reference Number: FIT-FT3B1IC

MTC DPR file no.: PLAN-00EA057

Dear Ms. Rumney:

This letter constitutes the Ministry of Tourism and Culture's written comments as required by s. 23(3)(a) of O. Reg. 359/09 under the *Environmental Protection Act* regarding heritage assessments undertaken for the above project.

Based on the information contained in the report you have submitted for this project, the Ministry is satisfied with the heritage assessment. Please note that the Ministry makes no representation or warranty as to the completeness, accuracy or quality of the heritage assessment report.*

The report recommends the following:

7.0 CONCLUSIONS AND RECOMMENDATIONS

The background research and field survey of the South Branch Wind Farm study area resulted in the identification of 30 potential Built Heritage (BH) resources (Potential Heritage Resource Nos. 1–30) and 4 potential Cultural Heritage Landscapes (CHLs). The potential heritage resources were tested against the criteria of O. Reg. 9/06 to determine whether they were of cultural heritage value or interest (CHVI). None of the identified heritage resources have been designated under the Ontario Heritage Act, nor have they been listed on a municipal register.

All identified BH resources and CHLs of CHVI were then evaluated for potential project impacts. The results of these evaluations can be summarized as follows:

- Six BH resources of CHVI were identified on participating project lands (Potential Heritage Resource Nos. 13, 16, 22, 25, 26 & 30). All proposed turbine locations were located at least 430 m away from any of these resources. The minimum distances between each resource and the closest access road, underground cable route and overhead cable route were 310 m, 70 m and 190 m, respectively. After the project impact analysis, no direct or indirect impacts were identified that would negatively affect these heritage resources.
- Thirteen BH resources of CHVI were identified on lands abutting properties where turbines and associated project infrastructure are proposed (Potential Heritage Resource Nos. 1, 2, 4, 5, 6, 14, 15, 17, 19, 20, 24, 28 & 29). All proposed turbine locations were located at least 620 m away from any of these resources. The minimum distances between each resource and the closest access road, underground cable route and overhead cable route were 60 m, 60 m and 30 m, respectively. After the project impact analysis, no direct or indirect impacts were identified that would negatively affect these heritage resources.
- Of the four potential CHLs, three were found to be CHLs of CHVI (Brinston, Dixon's Corners and Hulbert). For Brinston, the nearest proposed turbine is 930 m away while the closest proposed access road and underground cable route are 650 m and 280 m away, respectively. The nearest overhead cable passes through Brinston, but it will use existing poles in this area (see Figure 3). For Dixon's Corners, the nearest proposed turbine is 1.18 km away while the closest proposed access road, underground cable route and overhead cable route are 1.18 km, 1.20 km, and 1.81 km away, respsectively. For Hulbert, the nearest proposed turbine is 1.02 km away while the closest proposed access road, underground cable route and overhead cable route are 1.17 km, 1.10 km, and 4.20 km away, respectively. After the project impact analysis, no direct or indirect impacts were identified that would negatively affect these heritage resources.

Taken as a whole, the number and significance of the heritage resources considered in this assessment demonstrates the marked richness of the vicinity of the study area. The proposed locality of the South Branch Wind Farm includes tangible and readily-visible heritage resources of CHVI that evoke nearly every important era since European settlement began in the region. As the impact evaluations in Sections 6.2 and 6.4 have demonstrated, the project will not result in any detrimental impacts to the heritage attributes and CHVI of these heritage resources.

As with all wind projects in relatively flat physiographic regions, the appearance of the surrounding landscape will be altered, on an interim basis, as a result of the erection of turbine towers, blades and nacelles. However, it must be articulated clearly that these do not constitute impacts to the essential heritage values of the identified BH resources and CHLs. The landscape of the study area is already defined by highly visible transmission towers and high tension wires. Accordingly, it is the professional opinion of Archaeological Research Associates Ltd. that the heritage attributes of the identified resources will not be negatively affected by the addition of project infrastructure.

Given that this study has 1) considered all potential BH resources and CHLs at the project location; 2) has identified BH resources and CHLs of CHVI based on the criteria in O. Reg. 9/06 (Service Ontario 2006); 3) has evaluated all potential direct and indirect impacts to these identified heritage resources; and 4) has found that the project will not negatively impact any of these identified heritage resources, ARA recommends that the South Branch Wind Farm be released from further heritage concerns.

The Ministry is satisfied with these recommendations.

This letter does not waive any requirements which you may have under the Ontario *Heritage Act*. Also, 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,

Paula Kulpa
Heritage Planner

cc. Paul J. Racher, Vice President, Operations
Archaeological Research Associates Ltd.

Christina E. Gohm, Project Manager
Archaeological Research Associates Ltd.

Chris Schiller, Manager, Culture Services Unit
Ministry of Tourism and Culture

[*] 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.

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Ontario

September 9, 2011

Paul Racher
Archaeological Research Associates Ltd.
97 Gatewood Road
Kitchener, ON N2M 4E3

RE: Review and Acceptance into the Provincial Register of Reports: Archaeological Assessment Report Entitled, *REVISED: Stage 1 and 2 Archaeological Assessment, South Branch Wind Farm (FIT FT3B11C) Township of South Dundas and Edwardsburgh/Cardinal, Geo. Townships of Matilda and Edwardsburgh, United Counties of Stormont, Dundas and Glengarry and United Counties of Leeds and Grenville, ON,* Dated August 25, 2011, Received by MTC Toronto Office August 26, 2011.

MTC Project Information Form Number P007-264-2010 and P007-300-2011
MTC RIMS Number HD00375

Dear Paul,

This office has reviewed the above-mentioned report, which has been submitted to this Ministry as a condition of licensing in accordance with Part VI of the Ontario Heritage Act, R.S.O. 1990, c 0.18. This review is to ensure that the licensed professional consultant archaeologist has met the terms and conditions of their archaeological licence, that archaeological sites have been identified and documented according to the 2011 Standards and Guidelines for Consultant Archaeologists set by the Ministry, and that the archaeological fieldwork and report recommendations ensure the conservation, protection and preservation of the cultural heritage of Ontario.*

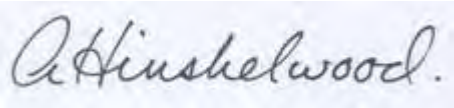
As a result of the Stage 1 and Stage 2 archaeological assessment, two find spots of cultural material were identified. Of these, only one, FS 2, was determined to hold cultural heritage value or interest and has been registered as the Shaver Site, BfFu-5). As a result of this identification, the project has been redesigned to avoid BfFu-5 by a distance of approximately 1.88 kilometres. Finally, the report

recommends that no further archaeological assessment on the subject lands proposed for disturbance by the development is required.

The Ministry concurs with the recommendation that no further archaeological assessment will be required for the areas of proposed impact on the subject property as shown in Maps 2a, 2b, 3a, 3b and 31 of the above titled report be considered free of further archaeological concern and do not require further assessment.

Please feel free to contact me with any concerns or questions regarding this letter.

Yours,



Andrew Hinshelwood
Archaeology Review Officer

cc. Archaeological Licensing Office

* 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.

APPENDIX H4

CONSULTATION WITH ENVIRONMENT CANADA

South Branch Wind Farm

Project Element	Contact Name	Method	Date	Message	Message Sender	Attachments
ESR consultation	Sheryl Lusk	email	June 2, 2009	Hello Sheryl. I am writing to provide you with an update on the four eastern ON wind power projects. When I submitted the bird protocol last year I was working for M.K. Ince and Associates on behalf of Prowind Canada, the developer. I am now working directly for Prowind. Prowind and MKI continue to work cooperatively to complete the bird and bat studies, as well as produce the ESRs (you will have already received the one for Marlborough). Please find attached a letter outlining progress at the four sites and a new development – the need to increase the height of the turbine structures to higher elevations. The letter provides the details. I have also proposed a plan to ensure adequate environmental monitoring is undertaken to determine if taller turbines pose increased environmental risk to birds and bats. I would appreciate EC's initial response to my proposed plan as soon as convenient to you. Thanks. Best regards, Dan	Dan Busby	2009-06-02_Prowind_eastern_ON_projects_update.pdf
ESR consultation	Sheryl Lusk	emai	June 25, 2009	Hi Dan, I spoke with John Fischer regarding the proposed plan, and he agrees that it is adequate. Given his other review priorities right now, I doubt you'll be able to obtain any more feedback than that, but overall, CWS does not object to anything that is proposed in the plan. Best regards, Sheryl		
ESR	Sheryl Lusk	email	Aug 21, 2009	Hi Rochelle, Thank you for giving us the opportunity to review the draft Brinston and South Branch ESR, but we will not be providing comments at this time. We would be very interested, however, in receiving the Avian Impact Assessment report (as mentioned on p. 12 of Appendix F) as soon as it is complete and prior to receiving the final ESR. Specifically, we are very interested in reviewing the results of the upcoming radar studies. If you have any questions, please let me know.		
REA review	Sheryl Lusk	email	Dec 6, 2010	Hi Sheryl, We were on contact, oh over a year ago now (Aug 2009), regarding a proposed wind farm near Brinston, Ontario. At the time we had been involved in the RESOP program and the old ESR process for EAs. At that time we had three 10 MW wind farms, Brinston, South Branch and Boundary. Now they are combined into one 30 MW wind farm called the South Branch Wind Farm. We have been awarded a FIT contract for this project and have put together much of the REA We have completed many bird studies, some additional ones, since we last spoke. Are you interested in reviewing the avian survey reports before we submit the draft REA for agency review? If you'd like to call and discuss this or have questions, please do, my number is 905 745 4719. I thought I'd send a quick email at first so that you have some time to figure out the history of this project and our previous correspondence. Thanks very much, Rochelle Rumney	Rochelle Rumney	
REA review	Sheryl Lusk	email	Dec 6, 2010	Hi Rochelle, Yes, I would be interested in receiving any new material on South Branch, although please note it's doubtful that we would be able to provide you with any comments from a formal review at this time. Best regards, Sheryl		

Project Element	Contact Name	Method	Date	Message	Message Sender	Attachments
REA review	Sheryl Lusk	email	Dec 7, 2011	Hi Sheryl, Great! I've attached the the two avian survey reports (one is a schedule of the other). Some of the bird work was organized by a consultant and then it was done in-house the following year. The report dated 11/30/10 is the cover report which summarizes all the bird work, with many references to the findings in the consultant report (Schedule 1 – MKI). Are you interested in reviewing the Post-Construction Monitoring Plan? If so, I can send that over to you as well. If you require any other information, please let me know. We'll be sure to copy you on any future correspondence regarding the South Branch Wind Farm REA. Are you interested in reviewing the entire draft REA once it is ready? You mentioned that EC likely won't provide comments at this time. Do you foresee a time in the future where you will be able to provide comments on this, or are you planning to just review and not provide any feedback? I'd just like to have an idea of your review process for our scheduling. If we don't have to wait for your feedback than we can go ahead and submit to the MOE at any time (once we get feedback from other agencies and complete our public consultation). This could be anywhere from 2 to 6 months from now. Thanks very much for your quick response Sheryl. Please let me know if you have any questions. Take care, Rochelle	Rochelle Rumney	
REA review	Sheryl Lusk	email	Dec 7, 2011	Hi Rochelle, Thanks for the two reports, and yes, if you could also send me the post-con monitoring report and the final draft REA, it would be much appreciated. As for possibly providing comments on the various reports, it will all depend on the workload and priorities of our reviewers. At present, the South Branch project would probably not be considered high priority, but that may change depending upon any new information/changes in the draft REA, post-con monitoring report, etc. I will let you know as soon as possible if you should expect formal comments from us. Best regards, Sheryl		
REA review	Sheryl Lusk	email	Dec 7, 2011	Hi Sheryl, As requested, I have attached the Post-Construction Monitoring report for the South Branch Wind Farm. Thanks again for your quick responses and the information you've provided. Sincerely, Rochelle	Rochelle Rumney	
REA review	Sheryl Lusk	email	Jan 7, 2011	Hi Rochelle, In the Post-Construction Monitoring report, mention is made of the EchoTrack regional surveys that were conducted throughout the seven southern Ontario Prowind sites. In his project update letter of June 2, 2009, Dan Busby had mentioned that it would be possible to further analyse this radar data for bird movements, etc. Do you know if this analysis has been done, and if so, will it be included in the REA submission? Also, given the relatively low level of concern (i.e., Category 1) for the South Branch project, I do not expect additional comments/feedback by CWS, although they may be interested in the radar data, if available. Best regards, Sheryl		
REA review	Sheryl Lusk	email	Jan 12, 2011	Hi Sheryl, Thanks for your email. The analysis you mentioned has not been completed. Because it is such a low sensitivity site, as you said, Prowind felt it was not a necessary expense to gather further data from the bat radar results. The information is available to be extracted from the existing radar monitoring information, but it will take some time for the consultant do to so and will cost quite a bit on our end. At this point in time we do not plan to gather further data in this manner, but may do so in the future, if it is deemed necessary. Consequently, it will not be included in the REA. Thank you for letting us know about the potential for feedback. In other news, we have a draft REA for the South Branch Wind Farm ready for your review. We are providing it via FTP at this point in time, but if you'd like a hard copy, please let us know. The access information is below. I have also attached an introductory letter to accompany the REA. If you have problems with the FTP or any other questions, please don't hesitate to call or email. Thanks again, Rochelle	Rochelle Rumney	

Project Element	Contact Name	Method	Date	Message	Message Sender	Attachments
REA review	Sheryl Lusk	email	Jan 12, 2011	Hi Rochelle, Thanks very much for the clarification regarding the radar results/analysis, as well as the ftp link. Best regards, Sheryl		
	Micheal Otis, Don Lewis, Heather Zurbrigg, Amy Cameron, Hugh Garlough, Ben De Haan, Michael Wildman, Terri Forrester, Sandra Mancini, Mathieu Leblanc, Debra McKinstry, "mayor@twpec.ca", Katherine Kirzati, Sandy Hay, Lesley Todd, Helen Thomson, Brenda Brunt, Sheryl Lusk, Shari Prowse	email	8/1/11	Hello All, I'm pleased to report that the updated Draft REA reports for South Branch Wind Farm are now available on our project website. You may download some or all of these reports as needed. http://www.prowind.ca/?page=projects-south-branch Please let me know if you would like me to provide you with a CD of the reports or if you have any difficulties in downloading this information. We welcome your comments on any aspect of this project. Thank you in advance for taking time to consider the proposed project. Kind regards, Cathy	Cathy Weston	

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Sheryl Lusk
Environment Canada
4905 Dufferin St.
Downsview, ON M3H 5T4

Re: Wind Power projects - Sunol, North Gower, Polestar, Brinston/South Branch

Dear Sheryl,

I am writing to provide you with updated information about the four eastern Ontario projects for which I submitted bird protocols to you last year. I also want to report on some changes to the projects that will affect the environmental review process.

Please note that when I contacted you last year I was working for M.K. Ince and Associates (MKI), who were representing Prowind Canada (Prowind), the developer behind those projects. I now work directly for Prowind. We are working cooperatively with MKI toward the production of full bird and bat reports and Environmental Screening Reports for each project.

First, I will update you on project names and generating capacity:

- **Sunol** is now called **Beckwith**. There are no changes to the project boundaries or generating capacity. It remains a four or five turbine, 10 MW project.
- **North Gower** is now called **Marlborough**. The protocol described it as a 25 MW project. It is now placed as a 20 MW project with about 8 turbines. There has been an addition of land to the previous area, a disjunct parcel about one km to the north of the main project area. Like the other area, the new one is under intensive agriculture and turbines would be located within the cultivated fields.
- **Polestar** is now called **Upper Canada**. It remains a 10 MW project with expanded boundaries to the east to take advantage of some land with roughly 10 m higher elevation.
- **Brinston, South Branch** (BSB) has retained the same name. Essentially, it is two separate areas that are joined by a common boundary. For EA purposes we will recognize it as a single 20 MW project rather than two 10 MW projects.

Here is a brief update on bird work at the projects, to date:

- **Beckwith** (Sunol) – spring migration 2008 completed. Winter 2008/2009 completed. Breeding 2009 planned. Fall migration 2009 planned. ESR not yet in preparation.
- **Marlborough** (North Gower) – spring migration 2008 completed. Winter 2008/2009 completed. Breeding 2009 planned. Fall migration 2009 planned. Draft ESR submitted with preliminary bird work.
- **Brinston, South Branch** – spring migration 2008 completed. Winter 2008/2009 completed. Breeding 2009 planned. Fall migration 2009 planned. Draft ESR in late stages of preparation.

- **Upper Canada** (Polestar) – spring migration 2008 completed. Fall migration 2008 completed. Winter 2008/2009 completed. Fall migration 2008 completed. Report in preparation. ESR not yet in preparation.

Secondly, I want to raise with you an element of the projects that has changed. Wind modeling at the sites has determined that it will be necessary to raise the height of the turbines to reach higher into stronger, more consistent winds. Prowind is currently expecting that turbine hub heights will become 130 to 141 m and total heights, with blades, will become about 175 to 190 m. Obviously, this is quite a bit higher than the 150 m that Environment Canada considers as an informal upper guideline. I spoke briefly with Rob Read (26 May 2009) to discuss a recommended approach to dealing with this development. We agreed that writing to you, as EC project coordinator for these projects, with a suggested plan would be an appropriate first step. Please understand that Prowind recognizes the potential risk that higher turbines may present and that we want to do everything reasonable to ensure that we obtain enough information to determine if, in fact, higher turbines in these locations indeed do present a higher risk.

To that end I would like to make our suggestion on how we proceed from here.

1) Our assumption is that none of these sites is within any sort of migration concentration flyway, either for raptors, nocturnal migrants or bats. Indeed, all sites were classified as "low" sensitivity in the protocol. Fieldwork at all four sites to date supports this assumption (including a detailed fall migration program at Upper Canada at the request of Lyle Friesen). We also assume that these intensive agricultural areas hold little appeal to draw migrants down from their higher migration altitudes.

2) The bird studies will follow due course and will provide four seasons of pre-construction monitoring. Please note that there was no request from EC to conduct either spring or fall migration work. At the time of submission of the protocol there was not enough time to receive feedback from EC prior to commencement of fieldwork so Prowind opted to sample beyond that which might be necessary to ensure we met or exceeded any eventual requirements. In view of the proposed higher turbines, Prowind will also plan to conduct fall migration work at all sites.

3) We are currently arranging to conduct a radar and acoustic-based bat study to cover all four sites. We have contracted EchoTrack to do this work. We have proposed that the sampling would be done as a regional study and aims to gain a more complete understanding of bat movements in eastern Ontario rather than just project-specific work would do, although sampling stations will be located at each project site. The benefit of this radar work is that the data can be further "mined" to include bird movements – volume, altitudes, timing, etc. Therefore, we propose that Prowind would undertake this otherwise un-required step to provide extra pre-construction screening for assessment of risk to birds of the higher turbines.

4) Prowind would be open to the idea of an enhanced post-construction program, one which perhaps could include more frequent carcass searching and perhaps a second year of monitoring. We would be happy to work with you to arrive at a satisfactory post-construction plan.

I hope this serves to bring you up to date on these projects and to introduce to you how we propose to approach the introduction of taller-than-normal turbines at these sites. I would be pleased to have further discussions and to provide you with additional information, if you require it. I will await your response. Please note that I have also provided MNR, Kemptville (Sarah Nuggent) with this same update and proposed plan.

Sincerely,

Dan Busby
Senior Biologist
Prowind Canada Inc.
613-258-6700 (Prowind Office)
705-454-0172 (Home office)
705-928-1178 (Mobile)

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 12, 2011

Environment Canada
Canadian Wildlife Service
4905 Dufferin Street
Toronto ON M3H 5T4

Attention: Sheryl Lusk, Environmental Assessment Officer
Reference: South Branch Wind Farm Draft REA Review

Dear Ms. Lusk,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

No hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact your review process.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719
rrumney@prowind.ca

APPENDIX H5

CONSULTATION WITH MINISTRY OF THE ENVIRONMENT

Correspondence Log for Minsitry of the Environment

South Branch Wind Farm

Project Element	Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
RESOP process	Francis Samonte	EAAB	email	4/27/09	Hi, I am working for the Environmental Assessment and Approvals Branch, Ontario Ministry of the Environment. I was tasked to make an update on the status (i.e. tentative date of issuance) of the Notice of Completion for the following Prowind Canada wind farm projects in Ontario: Boundary Wind Farm Castor River and Kerr's Ridge windfarms Marlborough I and II Wind Farms South Branch and Brinston Wind Farms I was wondering if you could provide this information for our reference. Appreciate any update you could provide regarding the above subject. Thank you. Sincerely, Francis Samonte		
RESOP process	Francis Samonte		email	4/28/09	Hi Francis, Things are still fairly tentative for some of these projects, due to the grid connection status (orange zone) for some of these projects, and the anticipated changes to planning and environmental assessment related to the proposed Green Energy Act and the new MOE guidelines. The estimated timelines for each project are presented below. If you have further questions, please do not hesitate to contact me directly. Boundary Wind Farm - TBD – Fall or Winter 2010 Castor River and Kerr's Ridge windfarms - TBD – Fall or Winter 2010 Marlborough I and II Wind Farms - November 2009 South Branch and Brinston Wind Farms – January 2010 Kind regards, Cathy --	Cathy Weston	
Transition	Sandra Guido		email	12/24/09	Hello Sandra, I wanted to pass along a completed Project Description Report for the South Branch Wind Farm. We'd like to meet with you to discuss the previously completed open house. I have attached the Pre submission consultation meeting form and also Cced Cathy Watson to schedule a meeting. I spoke with her a few days ago and she informed me that you are scheduling meetings now for January. I hope this finds you well. Have a great holiday. See you in the new year. Take care, Rochelle	Rochelle Rumney	
Transition	Cathy Watson		email	1/26/10	Hi Ms. Watson, I sent you a email regarding the South Branch Wind Farm in December with a REA pre-submission consultation form hoping to organize a meeting with the MOE for this project. I haven't heard anything back from you, so I wanted to make sure you received the email and the form. Please let me know if I can provide any further information. I look forward to hearing from you. Thanks, Rochelle Rumney	Rochelle Rumney	
Transition	Cathy Watson		email	1/26/10	Hi again Cathy, That meeting time sounds great. Thanks so much for your quick reply. I'm wondering if we can also discuss an additional project (Marlborough Wind Farm) during that hour. I think an hour will be more than enough time to go over my questions regarding both projects. I will send you a meeting form shortly along with the PDR, but I wanted just verify that it's ok to add this project to the agenda. Thanks so much, Rochelle Rumney	Rochelle	
Transition	Cathy Watson		email	1/26/10	Certainly you can add the additional project.	Cathy Watson	

Project Element	Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Transition	Cathy Watson		email	1/26/10	Hi Cathy, Great! As promised, I have attached the pre-submission consultation form for the Marlborough Wind Farm to be discussed on the 5th of February along with the South Branch Wind Farm. We forwarded the PDR to the MOE previously so they should have a copy, but I will bring a copy to the meeting as well, unless you'd like another one before then. Thanks so much, Rochelle	Rochelle	
Transition	Mansoor Mahmood		in-person	2/5/10	meeting with MOE	Rochelle Rumney	
Transition	Mansoor Mahmood		email	2/16/10	Hello Mansoor, I met with you a couple of weeks ago on Friday, February 5th. We discussed previously conducted public consultation for two of our projects, the South Branch Wind Farm and the Marlborough Wind Farm. During our meeting you mentioned you wanted to take the information we provided back to some colleagues and get back to us with a response. I just wanted to send a quick email to see if you had heard back from anyone on this issue and if you had any better idea of the result of our meeting. Thanks very much for your help with this. I look forward to your response. Take care, Rochelle Rumney	Rochelle Rumney	
First Nations Contact List	Joe de Laronde	FN Branch	email	2/25/10	Hi Rochelle I am reviewing the PDR for the above project. It looks real good except one thing. The location image….it 'works' for the PDR but it is difficult to find the area on the landscape….i.e. I can't see any real landmarks (towns, cities, highways, etc) that 'get me' to the location. In the PDR, it states the Iroquois is the nearest town….while that may be so, when I start from Iroquious and start to search for the land for the project, I can't find the roads. If possible, could you send an location image that shows this project in relation to Iroquious or any other landmark-able feature? Thanks in advance Rochelle Joe	Joe deLaronde	
First Nations Contact List	Joe de Laronde	FN Branch	email	2/25/10	Hi Joe, That was great timing; I just finished up a revised PDR for this project with an updated map and property listing. I've attached the new PDR (dated today). The newest map has some community name references, but is not zoomed out far enough to see Iroquois. If you find that this new map is still unclear, please don't hesitate to let me know and we will revise it. Since I have you here, do you know the status of the Marlborough Wind Farm First Nation list? We submitted a revised PDR to you on February 2. Thanks very much. Rochelle	Rochelle Rumney	
First Nations Contact List	Joe de Laronde	FN Branch	email	2/25/10	That works. Thanks. The Marlborough is in the hands of the Attorney Generals office….the last review loop before becoming the 'final' list. There deadline to get it back to me is Mar 02…and when I talked to them, they assured me they would make that deadline. As soon as it is in my hands, I will make the changes and send it on to Sandra. Again, thanks for the quick response to my 'neediness'. Joe	Joe deLaronde	
Transition	Sandra Guido		email	2/26/10	Hi Sandra, Thanks for getting the Innerkip and Gunn's Hill First Nations contact list to me earlier this week. I just wanted to follow up with the topic below – the Marlborough and South Branch Wind Farms public consultation credit. Do you know when you might expect to have decision on this? Thanks very much. Have a great weekend. Rochelle	Rochelle Rumney	
Transition	Sandra Guido		email	2/26/10	Hi Rochelle, Sorry for the delay. My Director is back in the office next week so we will get back to you early next week with a decision. Thank you, Sandra	Rochelle Rumney	

Project Element	Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Transition	Sandra Guido		email	3/11/10	Hi Sandra, Sorry to keep bugging you about this, but have you heard anything back regarding the Marlborough and South Branch Wind Farms public consultation credit? We just need to start planning the open houses if it is decided that it's necessary. Thanks so much, Rochelle	Rochelle Rumney	
Transition	Sandra Guido		email	3/12/10	Hi Rochelle, For the Malborough and South Branch Wind Farms, can you clarify exactly what was presented to the public at the first public meetings held back in January 2009 under the ESP? Was a turbine layout/specifications provided? Thank you, Sandra Sandra Guido	Sandra Guido	
Transition	Sandra Guido		email	3/12/10	Hi Sandra, Thanks for getting back to me on this issue. Both meetings for Marlborough and South Branch were preliminary and did not present turbine locations or specifications, just general scope of project. The South Branch Wind Farm was originally three separate 10 MW projects (South Branch, Brinston, Boundary). The project area and scope has not changed since the original public meeting held in January 2009. The only thing that has changed is that the three 10 MW projects have been merged into one 30 MW project. A similar situation occurred Marlborough, but with some additional changes. The Marlborough project was originally presented as two 10 MW projects (Marlborough I and II) and is now one 20 MW project with additional land parcels; so the scope has not changed, but the land base has. We have completed various other public consultation activities for the Marlborough project, including presentations at Rural Affairs committee meetings, presentations to other interested groups, etc. When we met with Mr. Mahmood in February we provided maps with the original land base and project boundaries and the updated project details. We also provided more detail on the various other public consultations done for the Marlborough Wind Farm. If you'd like me to forward that information to you via email, please let me know. If you need clarification, please don't hesitate to contact me. Thanks, Rochelle	Rochelle Rumney	
Transition	Sandra Guido		email	3/17/10	Hi Rochelle, Management has reviewed the information you have provided and has determined that for both the Malborough and South Branch Wind Farm Projects that both public meetings would need to held in accordance with section 16 of the REA Regulation 359/09. If you have any questions, please feel free to contact me. Thank you, Sandra	Sandra Guido	
Transition	Sandra Guido		email	3/19/10	Hi Sandra, Thank you for your response. I'm just wondering if you can elaborate on what you're looking for when giving credit to previously conducted public meetings. Based on our experience with Innerkip and Gunn's Hill that we discussed with you back in November, I expected that South Branch would easily be carried over into the new system, since the project details presented at the public meeting have not changed. I'm just looking for for some guidance so we have a better idea in the future of what the MOE considers acceptable for credit under the REA. Thanks very much, Rochelle	Rochelle Rumney	

Project Element	Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
First Nations Contact List	Joe de Laronde	FN Branch	email	3/25/10	Hi Joe, I'm just wondering if you'd be able to provide us with an update on the status of the Upper Canada, Beckwith, South Branch and Kerr's Ridge Wind Farms First Nations' lists. Do you have any indication when we might receive these? I know they are on different timelines, but any information is helpful. Also, I'll be away on vacation for two weeks starting tomorrow afternoon, so if you need anything or have lists for us, please contact Cathy Weston at cweston@prowind.ca and 613 258 6700. Thanks very much Joe. Take care, Rochelle	Rochelle Rumney	
	Joe de Laronde	FN Branch	email	4/16/10	Good morning Joe, I'm just wondering if you'd be able to provide me with an update on the South Branch Wind Farm First Nations contact list. We were awarded a FIT contract for this project and are just trying to establish the current status and timelines for this project. We received the Beckwith list yesterday, so thank you for that. Have a great weekend! Rochelle	Rochelle Rumney	
First Nations Contact List	Joe de Laronde		email	5/18/10	Hi Joe, I'm writing in follow up to communications you've had with my colleague Rochelle about a month ago regarding the completion of a first nations contact list for the South Branch Wind Farm. At that time, I believe you indicated that the list was waiting on some high-level decisions within the Ministry regarding an aboriginal community having no Ontario presence, but with National concern. Have you been able to find a resolution on this matter? We're anxious to get started with the consultation process with any stakeholder groups, and as I'm sure you understand, it can be challenging to engage some of these groups, so the more time available, the better. If you're able to provide a partial list now, we could get started, and would be able to incorporate any additional identified groups once the final list is provided by your offices. Thank you in advance, Cathy	Cathy Weston	
First Nations Contact List	Joe de Laronde		email	5/18/10	Hi Cathy, We are nearing a direction that will be acceptable with regards to this community. Actually, this Thursday I am meeting with will likely be the last time en route to making the decision. With that, the increasingly large handful of projects I have on my desk will be released and the s14 letter to follow soon after that. Thanks for your patience Joe (519) 873-4002	Joe deLaronde	
First Nations Contact List	Joe de Laronde		email	5/31/10	Hi Joe, I hope you had a nice weekend. Can you provide an update on the status of the First Nations consultation list for South Branch Wind Farm? Thank you in advance, Cathy	Cathy Weston	
First Nations Contact List	Joe de Laronde		email	6/14/10	Hi Joe, I tried to leave a voice mail just now, but your mailbox is full. I am hoping that you have some news for us in regards to the First Nations contact list for South Branch Wind Farm. As I'm sure you're aware, this project has a FIT contract and we need to get started with the REA work as soon as possible. Our ability to get the project information to the stakeholder first nations communities is, of course, critical to starting this process correctly. Please let me know the status of the list preparation and whether there might an opportunity to release the portion of the list that may have been finalized. I have copied your note from May 18th below for your reference. Kind regards, Cathy	Cathy Weston	

Project Element	Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
First Nations Contact List	Joe de Laronde		email	6/16/10	Hi Cathy Sorry for the delay in this response. It has been a long time coming and I do apologise for the delays. With the heightened sensitivity around aboriginal consultation, I hope you can understand that we do need to get this right by way of identifying correctly the communities to be contacted for the proponents. All said, yesterday we did reach a resolution and with that, I am now positioned to start releasing all the s14 lists to EAAB for finalization. As there is a stack now, it will take me a couple days to get through them all…but in order of priority, 'yours' is sooner than later. I hope that helps and good luck with your project Joe	Joe deLaronde	
First Nations Contact List	Joe de Laronde		letter	6/17/10	first nations list arrives - see letter on file	MOE	
REA process	Terri Forrester		email	3/30/11	Hello, I work for Prowind Canada – we're developing the South Branch Wind Farm, near Brinston, Ontario, in South Dundas township. I believe we had sent you our Notice of a Proposal and and Invitation to the first Public Open House for this project in the summer of 2010. We've made some progress since then and will be issuing our Draft REA package for agency and public review in the coming weeks. Per the Regulations, we're required to send our notices to the Director, as well as the District Manager for our project area. I'm writing to confirm whether you are indeed the correct contact as District Manager for the Cornwall area office, or if there is another contact we should be seeking. Thanks in advance for your assistance. Kind regards, Cathy --	Cathy Weston	
REA process	Terri Forrester		email	3/30/11	Hi Cathy The District Manager for this geographic area is Steve Burns, at the Ottawa MOE office, although once received there, admin staff forward that sort of correspondence on to us. So, you can either address your correspondence to Steve Burns, District Manager, and continue to send it to the Cornwall office, or you can send it to the Ottawa Office at 2430 Don Reid Drive, Ottawa, K1H 1E1 and we will receive it here shortly thereafter. Thank you, Terri	Terri Forrester	
REA process	Micheal Otis, Don Lewis, Heather Zurbrigg, Amy Cameron, Hugh Garlough, Ben De Haan, Michael Wildman, Terri Forrester, Sandra Mancini, Mathieu Leblanc, Debra McKinstry, "mayor@twpec.ca", Katherine Kirzati, Sandy Hay, Lesley Todd, Helen Thomson, Brenda Brunt, Sheryl		email	8/1/11	Hello All, I'm pleased to report that the updated Draft REA reports for South Branch Wind Farm are now available on our project website. You may download some or all of these reports as needed. http://www.prowind.ca/?page=projects-south-branch Please let me know if you would like me to provide you with a CD of the reports or if you have any difficulties in downloading this information. We welcome your comments on any aspect of this project. Thank you in advance for taking time to consider the proposed project. Kind regards, Cathy	Cathy Weston	
REA process	Terri Forrester	MOE	phone	1/25/12	Phone call with Ms. Forrester regarding the how to proceed to minor adjustments to construction process at this late stage in the REA and to touchbase before we submit REA. Terri will contact approvals branch in Toronto and set up a conference call for next week to answer questions regarding South Branch Wind Farm application and get back to us with proposed times.	Rochelle Rumney	
REA process	Terri Forrester	Cornwall District Branch	email	01/31/12	Hi Terri, Just as a follow up to my voicemail in case email is easier, I was just calling regarding our phone call last week. We spoke about having a call with you and some people from the approvals branch to talk about some questions regarding our imminent submission of the South Branch Wind Farm REA. We are hoping to finalize the document this week or early next week and would like to run some questions by you and the other approvals people. If you could just let me know if you've had any luck scheduling a call like this, I'd appreciate it. Thanks so much, Rochelle Rumney	Rochelle Rumney	

Project Element	Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
REA process	Terri Forrester	Cornwall District Branch	email	01/31/12	Hi Rochelle Sorry for the delay in responding. I have discussed your request for pre-consult with the REA office, and they indicated that either Narren Santos – (416) 314-8442 or Sandra Guido – (416) 327-4692 would be contacting you directly, but you can certainly go ahead and contact them directly to initiate the process. Thank you, Terri		
REA process	Terri Forrester	Cornwall District Branch	email	01/31/12	Hi Rochelle I've just received clarification from Sandra Guido that she will in fact be the person conducting the pre-consult requested. Her co-ordinates are as follows: Sandra Guido Senior Program Support Coordinator Service Integration Unit Environmental Approvals Access and Service Integration Branch Ministry of the Environment 2 St. Clair Avenue West, Floor 12A Toronto ON M4V 1L5 Tel: 416.327.4692 Fax: 416.314.8452 sandra.guido@ontario.ca Please inform me of your arrangements and I will attempt to join in. Thank you, Terri		
REA process	Sandra Guido		Email	02/02/12	Hi Sandra, As per our phone conversation the other day, here is a brief list of items we'd like to discuss on our upcoming conference call. For reference, we are about to submit the REA for the South Branch Wind Farm. We completed our final open houses for this project on January 10th and 11th of this year. 1. Foundation options: We'd like to add piles as an option for foundations as we have not yet completed detailed geotech analysis and need to have all foundation options available. Some adjustments will be required to the Construction Report and Design and Operations Report with discussion of pile foundations. Please confirm that this revision is acceptable in the REA process at this point. Additionally, when this question came up in public consultation, we did not identify piles as an option for foundations, will that be a problem? 2. Crane pads: our original reports states that they will be removed after construction, but recent information has indicated that they should remain. Please confirm that this revision is acceptable in the REA process at this point. 3. Icing Report: As a response to public and municipal concern, we commissioned an icing report for the wind farm. The results came in on Jan 23, 2012 and demonstrated a very low risk of ice throw to areas identified by the municipality. We forwarded the ice report to the municipality at the end of January and plan to send it to the public shortly. How should we approach adding this extra information and consultation into the REA? 4. Municipal Consultation: We received a request from the Mayor to consider some changes to the wind farm layout. These changes are detailed below. a. Can turbines 9 and 15 be moved? – Our understanding is that this would trigger the requirement for additional open houses in each municipality and could result in a lengthy delay, with potential exposure to penalty from COD over-run. Please confirm. b. Can the collector system cables along Gilmour Rd be buried in the road allowance instead of being installed on shared poles with Hydro One? – This was initially Prowind's preference, however consultation feedback from the Township of South Dundas and The United Counties of Stormont, Dundas and Glengarry indicated a strong preference to use the existing poles along their respective road allowances. Prowind is agreeable to the Township's change of position on this issue and archaeological assessments have covered the road allowance where the cables would be buried. Can the change from overhead wires to buried cables along the same road be accommodated without impacting REA submission timelines? c. Can the collector system be rerouted around the hamlet of Brinston? – At this time Prowind has not conducted archaeological studies or secured land rights for the requested alternate route, can these tasks be performed without impacting the REA submission timeline? Is a proponent obligated to address Municipal consultation feedback prior to, or as a condition of being issued the Municipal Consultation Form? If not, what approach is recommended in the event that a municipality chooses this path? 5. Has the MOE received any complaints regarding this project or Prowind that we need to address in the REA? Will you notify us if complaints do come in? If you have any questions, please let me know, my contact information is below. Hopefully we can set something up for early next week. Thanks again Sandra. Rochelle Rumney	Rochelle Rumney	

Project Element	Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
REA process	Terri Forrester	Cornwall District Branch	email	02/02/12	Hi Rochelle With regard to item 5 on your list, response from the local MOE office would be that the Cornwall Area Office has not directly or indirectly received any complaints related to this project. If we do, I will certainly make you aware. Thank you, Terri		
REA process	Sandra Guido		email	02/07/12	Hi Rochelle, Thank you for the summary of items below to discuss at our upcoming meeting. Are you and your team available to meet next week – either Wed Feb 15th or Thurs Feb 16th? Let me know what date and time works best and I will follow-up with a meeting invite. Thank you, Sandra		
REA process	Sandra Guido		email	02/16/12	Hi Sandra, I just get some verification of details regarding the process for public review of the REA on the EBR. I want to put this information in the notice to the public that will also outline the changes we discussed in our meeting yesterday. I want to make sure I have this information correct. The REA gets posted on the EBR after the MOE deems it a complete application? There is a 30 day comment period from the date of posting on the EBR? If I want to direct people to this report to make comments, shall I direct to www.ebr.gov.on.ca? Thanks very much for your help, Rochelle	Rochelle Rumney	
REA process	Sandra Guido		email	02/17/12	Hi Rochelle, Yes this is correct. Once the MOE deems a REA application complete, it will get posted on the EBR for a minimum of 30-days (could be longer – this is up to the MOE). In your notice to the public where you plan to outline the minor changes, you can remind them that when the MOE deems the REA application complete, it will get posted on the Environmental Registry for public review and comment (the posting will include a link to your company's website where all the REA reports can be viewed online). During the public comment period, members of the public will have an opportunity to submit comments directly to the MOE. In addition, proponents are now required to issue a notice following the EBR proposal posting. Sections 15.1 and 15.2 of O. Reg. 359/09 require applicants to notify the public that the application is under review and to post all final submitted documents to their website (if one exists) within 10 days of the proposal being posted to the Environmental Registry. For notification, applicants are required to publish a notice in similar locations to those required for other project notices (see page 47 of the REA Technical Guide for further details). Notice content is defined in section 15.2 of O. Reg. 359/09 to include the following: 1. The name of the person proposing to engage in the renewable energy project. 2. A brief description of the renewable energy project. 3. A map identifying the project location. 4. If the person has posted documents on their website, the address of their website 5. A statement that a proposal for a renewable energy approval in respect of the renewable energy project has been posted on the environmental registry and that comments in respect of the proposal may be submitted to the Director. As promised, here is a link to the REA Application Resources webpage where you will find a link to the Application Form, Checklist, Fees, etc. http://www.ene.gov.on.ca/environment/en/subject/renewable_energy/STDPROD_085140.html Hope this is helpful. Sandra		
REA process	Sandra Guido		phone	02/28/12	Phone call was made to Sandra Guido at the MOE to discuss shadow flicker. Is a shadow flicker report necessary if memebers of the public are inquiring about shadow flicker concerns? Our approcah at this point is to give specific shadow flickerr results to indiviual request for a single location. Sandra confirmed that this approcah is acceptable and that a shadow flicker report is not a requirement of the REA process.	Juan Anderson	

215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

January 12, 2009

Ministry of the Environment, Eastern Region Office
1259 Gardiners Road, Unit 3
P.O. Box 22032
Kingston, ON K7M 8S5

Re: Notices of Commencement – Marlborough I & II, Kerr's Ridge, Castor River, Boundary, Brinston and South Branch wind farms.

Attn: Vicki Mitchell, Environmental Assessment Coordinator

Thank you for your response to the Notices of Commencement sent out in recent weeks to alert you of the status of several of our wind farm development projects. The table below provides detail on the newspapers and publication dates of these Notices of Commencement in response to your request for more detail.

Project Name	**Date of Publication**	**Newspaper**
Boundary Wind Farm	November 19, 2008	The Morrisburg Leader
Brinston Wind Farm	April 16, 2008	The Chieftain
South Branch Wind Farm	April 16, 2008	The Chieftain
Marlborough I Wind Farm	October 22, 2008	The Manotick Messenger
Marlborough II Wind Farm	October 22, 2008	The Manotick Messenger
Castor River Wind Farm	November 19, 2008	The Winchester Press
Kerr's Ridge Wind Farm	November 19, 2008	The Winchester Press

Please let me know if there is additional information that we can provide at this time. We will keep your office posted as to progress on these projects as required by the CEAA regulations.

Thank you for providing contact information for numerous regulatory agencies and other resources. If you have any questions or concerns about the above comments, please contact me at (613) 258-6700.

Kind regards,

Cathy Weston
Program Manager

Cc: Caitlyn MacMaster, M.K. Ince & Associates Ltd., P.O. Box 650, 35 Main St. North, Suite 32, Waterdown, Ontario, L0R 2H0

Renewable Energy Approval
Proponent Pre Submission
Consultation Meeting

Name of Company: Prowind Inc.

Name of Project: South Branch Wind Farm

Location of Project: Located 8 km north of the Town of Iroqouis, Township of South Dundas, Untied Counties of Stormont, Dundas and Glengarry, Ontario

Is your facility on Crown Land? Yes [No]

RE Facility Type (please circle one)

[Wind] Solar Biomass (TT / AD / Landfill gas) Biofuel

Project Description: (include total generation capacity, size of project, type of equipment, sources of fuel for biogas projects, etc.)

30 MW wind power facility with twelve to fifteen wind turbine generators, access roads, cabling and a substation.

Timing for Project (Proposed Construction / Start-up): Summer 2012

Status of Project Approval: (please circle one):

ESR Stage REA/CofA Stage Transition Project [REA not initiated]

Details: The ESR had been commenced, under the old system, draft ESR submitted to agencies, NOC sent and open house conducted, but the project did not qualify as a transition project. REA is commencing now.

Status of FIT contract: Application submitted
OPA Registration # (if applicable): FIT-FT3B1IC

Have you met with other ministries? (If so, identify which ones and provide details on outcomes)

MNR: Met for introductory meeting prior to Draft ESR submission. SAR, bird and bat monitoring discussed.
MCL: Approved the submission of the Stage 1 archaeology report.
EC: Bird monitoring discussions

Should other ministries/agencies be invited to our meeting? MNR and SNC

Status and details of other required agency permits and approvals: (ie, MNR, CAs, MCL, DFO, etc.)

South Nation Conservation: water crossing permits
MCL: authorization to proceed after archaeology survey
MNR: authorization to proceed if we are in compliance

Contact information for meeting participants:

MNR: Amy Cameron, Planning Biologist, Pembroke District
31 Riverside Dr., Pembroke ON Ph: 613 732 5506
amy.cameron@ontario.ca
SNC: Geoff Owens, Regulations Officer, 38 Victoria St, Finch ON Ph: 613-984-2948 x. 240 gowens@nation.on.ca

Questions/Issues requested to be addressed in the Pre-Submission consultation meeting:

- Can the open house held under the old EA process be used toward the new REA public consultation requirements?

Please return completed meeting form ASAP. Fax to 416-314-8457 attention Cathy Watson.

Prowind Canada and Ministry of the Environment Meeting Notes

Re: REA credit for Open Houses for SB and Marlborough

Date: Friday February 5, 2010, 11 am

Location: MOE EAAB Office, 2 St. Clair Ave. W., Toronto

In Attendance: Rochelle Rumney, Dan Busby, Mansoor Mahmoud (MOE)

Met with the MOE regarding the South Branch Wind Farm and the Marlborough Wind Farm to discuss the previously conducted open houses and potential credit toward the new REA process.

Marlborough Wind Farm

Project details were summarized and the changes since the open house was held; this includes more land, but the same scope of project, 8 turbines, 20 MW, etc. Explained that we held an open house that was well attended and presented the project with these same details, aside from a few parcels that have been added since.

Explained that much consultation has been done since the new land parcels were known and presented to various small local groups.

Provided the old and current project area maps and details of the public consultation to date to Mr. Mahmoud.

Comments from MOE indicated that further discussion is necessary with the sound review staff as the residents that will now be sound receptors due to the increased land area may not have been informed properly, but feels that it could still be given credit due the minor changes.

South Branch Wind Farm

Presented the project details, most notably that this project used to be three separate 10 MW projects due to the limitations of the RESOP program, but they have been merged into one 30 MW project under the Green Energy Act.

Because this project scope and land base has remained the same since the previous public meeting, Mr. Mahmoud was confident that this should be given credit.

He will take these details back to the Director and other staff and consult with them on these projects and will get back to us shortly.

Subject: RE: Prowind Canada - Pre-submission consultation meeting follow-up
Date: Friday, 26 February, 2010 6:22 PM
From: Guido, Sandra (ENE) <Sandra.Guido@ontario.ca>
To: Rochelle Rumney <rrumney@prowind.ca>

Hi Rochelle,

Sorry for the delay. My Director is back in the office next week so we will get back to you early next week with a decision.

Thank you,
Sandra

Sandra Guido
Senior Program Support Coordinator
Renewable Energy Team
Environmental Assessment and Approvals Branch
Ministry of the Environment
2 St. Clair Ave West, Floor 12A, Toronto ON M4V 1L5
Tel: 416.314.6802 Fax: 416.314.8452
sandra.guido@ontario.ca

From: Rochelle Rumney [mailto:rrumney@prowind.ca]
Sent: February 26, 2010 1:02 PM
To: Guido, Sandra (ENE)
Subject: Re: Prowind Canada - Pre-submission consultation meeting follow-up

Hi Sandra,

Thanks for getting the Innerkip and Gunn's Hill First Nations contact list to me earlier this week.

I just wanted to follow up with the topic below – the Marlborough and South Branch Wind Farms public consultation credit.

Do you know when you might expect to have decision on this?

Thanks very much. Have a great weekend.

Rochelle

--
Rochelle Rumney
Environmental Coordinator
Prowind Canada Inc.
905 745 4719
rrumney@prowind.ca

Head Office
PO Box 1678
Kemptville, ON K0G 1J0
613 258 6700
www.prowind.ca

On 16/02/10 3:07 PM, "Guido, Sandra (ENE)" <Sandra.Guido@ontario.ca> wrote:
Hi Rochelle,

Mansoor has asked me to look into this for you. I will review the information you supplied and will get back to you shortly.

Thank you,
Sandra

Sandra Guido
Senior Program Support Coordinator
Renewable Energy Team
Environmental Assessment and Approvals Branch
Ministry of the Environment
2 St. Clair Ave West, Floor 12A, Toronto ON M4V 1L5
Tel: 416.314.6802 Fax: 416.314.8452
sandra.guido@ontario.ca

From: Rochelle Rumney [mailto:rrumney@prowind.ca]
Sent: February 16, 2010 9:01 AM
To: Mahmood, Mansoor (ENE)
Cc: Cathy Weston
Subject: Prowind Canada - Pre-submission consultation meeting follow-up

Hello Mansoor,

I met with you a couple of weeks ago on Friday, February 5th. We discussed previously conducted public consultation for two of our projects, the South Branch Wind Farm and the Marlborough Wind Farm.

During our meeting you mentioned you wanted to take the information we provided back to some colleagues and get back to us with a response.

I just wanted to send a quick email to see if you had heard back from anyone on this issue and if you had any better idea of the result of our meeting.

Thanks very much for your help with this. I look forward to your response.

Take care,
Rochelle Rumney

--
Rochelle Rumney
Environmental Coordinator
Prowind Canada Inc.
905 745 4719
rrumney@prowind.ca

Head Office
PO Box 1678
Kemptville, ON K0G 1J0
613 258 6700
www.prowind.ca

Subject: RE: Malborough and South Branch
Date: Wednesday, 17 March, 2010 3:15 PM
From: Guido, Sandra (ENE) <Sandra.Guido@ontario.ca>
To: Rochelle Rumney <rrumney@prowind.ca>
Cc: Cathy Weston <cweston@prowind.ca>

Hi Rochelle,

Management has reviewed the information you have provided and has determined that for both the Malborough and South Branch Wind Farm Projects that both public meetings would need to held in accordance with section 16 of the REA Regulation 359/09.

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

Thank you,
Sandra

Sandra Guido
Senior Program Support Coordinator
Renewable Energy Team
Environmental Assessment and Approvals Branch
Ministry of the Environment
2 St. Clair Ave West, Floor 12A, Toronto ON M4V 1L5
Tel: 416.314.6802 Fax: 416.314.8452
sandra.guido@ontario.ca

From: Rochelle Rumney [mailto:rrumney@prowind.ca]
Sent: March 12, 2010 2:12 PM
To: Guido, Sandra (ENE)
Cc: Cathy Weston
Subject: Re: Malborough and South Branch

Hi Sandra,

Thanks for getting back to me on this issue.

Both meetings for Marlborough and South Branch were preliminary and did not present turbine locations or specifications, just general scope of project.

The South Branch Wind Farm was originally three separate 10 MW projects (South Branch, Brinston, Boundary). The project area and scope has not changed since the original public meeting held in January 2009. The only thing that has changed is that the three 10 MW projects have been merged into one 30 MW project.

A similar situation occurred Marlborough, but with some additional changes. The Marlborough project was originally presented as two 10 MW projects (Marlborough I and II) and is now one 20 MW project with additional land parcels; so the scope has not changed, but the land base has.

We have completed various other public consultation activities for the Marlborough project, including presentations at Rural Affairs committee meetings, presentations to other interested groups, etc.

When we met with Mr. Mahmood in February we provided maps with the original land base and project boundaries and the updated project details. We also provided more detail on the various other public consultations done for the Marlborough Wind Farm. If you'd like me to forward that information to you via email, please let me know.

If you need clarification, please don't hesitate to contact me.

Thanks,
Rochelle

--
Rochelle Rumney
Environmental Coordinator
Prowind Canada Inc.
PO Box 1678, Kemptville, ON K0G 1J0
Tel: 905 745 4719
rrumney@prowind.ca
www.prowind.ca

On 12/03/10 1:00 PM, "Guido, Sandra (ENE)" <Sandra.Guido@ontario.ca> wrote:
Hi Rochelle,

For the Malborough and South Branch Wind Farms, can you clarify exactly what was presented to the public at the first public meetings held back in January 2009 under the ESP?

Was a turbine layout/specifications provided?

Thank you,
Sandra

Sandra Guido
Senior Program Support Coordinator
Renewable Energy Team
Environmental Assessment and Approvals Branch
Ministry of the Environment
2 St. Clair Ave West, Floor 12A, Toronto ON M4V 1L5
Tel: 416.314.6802 Fax: 416.314.8452
sandra.guido@ontario.ca

Prowind Canada and Ministry of the Environment Meeting Notes

RE: South Branch REA pending submission

Date: February 15, 2012, 10:00 - 11:30 am

Location: MOE Office, 2 St. Clair Ave West, Toronto, ON

Attending: Sandra Guido, Vic Schroter, Rochelle Rumney, Jeff Segal, Juan Anderson, Ryan Brown

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1. Introductions

a. South Branch Wind Farm was summarized – scope, stage in REA process, level of public opposition, etc.

2. Municipal Consultation Forms

a. Completed consultation form has been received from the two Counties, but the two Townships have yet to submit their forms.

b. Township concerns were shared with MOE - ice throw, transportation routes, layout changes, etc.

c. MOE said this was not abnormal for Ontario and encouraged continuing to seeking their comment. They also reiterated importance of documenting consultation efforts, in the case that they don't submit the form. The absence of th form in the REA process will spark some inquiry from reviewers, but will not stop the process.

3. Foundation Piles

a. Recent information has indicated that piles may be necessary for foundations, but this information was not explained in detail in the final draft REA nor presented at final public meetings

b. MOE's position is that this change would not require additional public meeting as it is not "significant", but it should be mentioned and updated in the construction plan report

4. Crane Pads

a. This issue, as mentioned in the agenda, is no longer relevant. It had been updated in the REA and is not a change to the version submitted for public review.

5. Icing

a. Based on public and municipal feedback, an Ice Throw Report was contracted and results given to the public. How should this be incorporated into the final REA since it was not part of the final draft REA.

b. The results of report indicate low risk and this is based on very conservative inputs.

c. MOE suggest that the report be added as an appendix to the REA and notice be given to the public that this change has been made, ad in the newspaper or mailing, etc. Include additional changes as discussed above and details on MOE review and comment period.

6. Layout changes requested by South Dundas Township Mayor

a. Mayor's requests for (1) moving turbines (2) burying collection cable instead of overhead on HONI poles and (3) re-routing collection are too late and would have a large impact on REA timing

b. Prowind's position is that it is too late in the process to make these changes, but will contact MOE for official opinion.

c. MOE agrees with Prowind's position. These changes are significant and would absolutely require additional public meetings

7. Turbine Selection

a. MOE feedback was that your approach of not permitting a specific turbine is unusual.

b. Prefer that Prowind determines which turbine we are going to use and submit updated noise analysis and spec report ASAP, but definitely no later than 3 months after you submit the REA application

c. Other proponent have submitted REA with two turbine options and that is an acceptable approach as well.

8. Noise compliance

a. Prowind wondered about using a derated turbine to meet noise setbacks.

b. MOE said this is not an acceptable approach, must run noise modeling with full power level of turbine.

9. REA Submittal Process notes

a. $40,000 fee due at submittal

b. 3 hard copies to MOE, +1 to district office in Cornwall

c. Sandra will forward copy of submission form to Rochelle

d. MOE Screening is currently taking 40 days, subject to change

e. 6 month service window begins at the end of screening

f. MOE will send Prowind an letter once REA is deemed complete and Prowind is required to publicly announce that the REA is available on EBR for public review

10. Legal Challenges from Opposition

a. MOE confirmed that every wind REA application has been appealed so far via the ERT process and they expect this to continue

b. ERT is required to make a decision within 6 months of appeal

c. MOE communicated that opposition tactics have moved from environmental/health concerns to process concerns and whether or not it was followed correctly

APPENDIX G

MUNICIPAL CONSULTATION

APPENDIX G: MUNICIPAL CONSULTATION

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APPENDIX G1

CONSULTATION WITH
TOWNSHIP OF SOUTH DUNDAS
AND
UNITED COUNTIES OF STORMONT, DUNDAS AND GLENGARRY

Ontario

Ministry of the Environment

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

Ce formulaire est disponible en français

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

Section 1 - Project Description

1.1 - Renewable Energy Project

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

South Branch Wind Farm

Project Location

Same as Applicant Physical Address? ☐ Yes ☒ No (If no, please provide site address information below)

Civic Address- Street information *(includes street number, name, type and direction)*	Unit Identifier *(i.e. apartment number)*
See Draft Project Description Report, Table 4	

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

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

Lot	Conc.

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

Part	Reference Plan

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

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

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

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

See Draft Project Description Report, Section 4.4 for overview. For a more detailed description of each phase, see Draft Construction Plan Report, Draft Design and Operations Report, and Draft Decommissioning Plan Report respectively.

1.2 - Environmental Context

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

See Draft Natural Heritage Assessment Report and Draft Water Assessment Report for effects on those environmental components or see the Draft Construction Plan Report, Draft Design and Operations Report and Draft Decommissioning Plan Report for effects related to the relevant project phase.

Propose early avoidance/prevention/mitigation concepts and measures.

See above.

1.3 - Renewable Energy Generation Facility

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

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

Name Plate Capacity	Expected Generation	Service Area	Total Area of Site *(hectares)*
30 MW	30 MW	Ontario (Morrisburg TS)	1881

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.

The South Branch Wind Farm will use up to 14 wind turbine generators to convert the kinetic energy of the wind into electrical energy, which will be connected to the local Hydro One distribution grid. A final turbine model has not been selected, but each wind turbine will be a maximum of 3.0 MW, 140 m hub height, 116 m rotor diameter. There is a possibility that a subset of the 14 turbines will be used if a turbine with a name plate capacity greater than 2.0 MW is chosen.

1.4 – Renewable Energy Generation Activities

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

See Draft Project Description Report, Section 4.4

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	South Branch Wind Farm Draft Project Description Report	2011/01/04
DRAFT Design and Operations Report	South Branch Wind Farm Draft Design and Operations Report	2011/01/04
DRAFT Construction Plan Report	South Branch Wind Farm Draft Construction Plan Report	2011/01/04
DRAFT Decommissioning Plan Report	South Branch Wind Farm Draft Decommissioning Report	2011/01/04
List of other Documents	South Branch Wind Farm Draft Natural Heritage Assessment Report	2011/01/04
	South Branch Wind Farm Draft Water Assessment Report	2011/01/04
	South Branch Wind Farm Draft Archaeological and Heritage Resources Assessment Report	2011/07/31
	South Branch Wind Farm Draft Turbine Specifications Report	2011/01/04
	South Branch Wind Farm Draft Abutting Property Assessment Report	2011/01/04

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

Reports are available for public inspection online at www.prowind.ca. Hard copies will be available at Township of South Dundas Municipal Office and Township of Edwardsburgh/Cardinal Municipal Office.

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
South Branch Windfarm Inc.	80666 8018 RC0001

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

Civic Address- Street information *(includes street number, name, type and direction)*	Unit Identifier *(i.e. apartment number)*
226 1/2 James St. N.	Unit A

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

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

Lot	Conc.

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

Part	Reference Plan

Municipality	County/District	Province/State	Country	Postal Code
Hamilton	Hamilton	Ontario	Canada	L8R 2L3

Ontario
Ministry of the Environment

Renewable Energy Approval
Municipal / Local Authority Consultation Form – PART B
s.18(2) Ontario Regulation 359/09

Ce formulaire est disponible en français

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

Section 4 – Municipality or Local Authority Contact Information

1.1 - Municipal or local authority Information ***(complete one of the following sections)***

Local Municipality / Unorganized Township Name of Municipality **Township of South Dundas**	X Yes No Address **4296 County Road #31 , P.O. Box 160** **Williamsburg , Ontario K0C 2H0**	Phone **613 535 2673**
Clerk's Name **Brenda Brunt** **(completed by : Donald JW Lewis**	Clerk's Phone/Fax **613 535 2673 / 613 535 2099** **Manager Planning & Enforcement**	E-Mail Address **bbrunt@southdundas.com** **dlewis@southdundas.com)**
Upper Tier Municipality	☐ Yes ☐ No	
Name of Municipality	Address	Phone
Clerk's Name	Clerk's Phone/Fax	E-Mail Address
Local Roads Area Name of local roads board	☐ Yes ☐ No Address	Phone
Secretary-treasurer's Name	Secretary-treasurer's Phone/Fax	E-Mail Address
Local Service Board area Name of Local Service Board	☐ Yes ☐ No Address	Phone
Secretary's Name	Secretary's Phone/Fax	E-Mail Address

Section 5 – Consultation Requirements

See Part A Section 2.2 to cross reference to locations in Draft Reports where information on specific Consultation Requirements can be found

5.1 - Project Location

Provide comment on the project location with respect to infrastructure and servicing.

Proposed project locations via SD&G County arterial Roads to the hamlets of Brinston , Glen Stewart and Hulbert. Access from County Road network to Municipal Road infrastructure such as Byker , Hulbert , Snowbird , Gilmour and Henderson Roads. Municipal Roads utilize open ditches and open Municipal Drains for stormwater management.

5.2 – Project Roads

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

Access to proposed turbine site locations via the County Roads network to Municipal Roads. The Municipal Roads have not been constructed to accommodate commercial / industrial traffic.
The proponent (PROWIND) has committed to work with the Municipality in order to establish access routes pre/during/post construction periods. A pre-condition road & drainage survey to be completed by consultant , a security deposit is required.

Identify any issues and provide recommendations with respect to road access

The proponent will require Municipal Road Entrance (temporary & permanent) and Road Cut /Buried cable Permits as well as Municipal Drainage Work Permits . Municipal Drain Work Permits shall respect fisheries drain classification work timing periods.
The Municipal Manager of Public Works shall at his discretion determine appropriate construction activity periods especially during typical half-load season.

Provide comment on any proposed Traffic Management Plans

It is understood that there will be increased traffic during the construction period.
The proponent/constructor will be responsible to erect signage in accordance with the Ontario Traffic Manual.
There may be issues with respect to sightlines/sight triangles at proposed site entrances.
Please note : Byker Road (Municipal) is an open but seasonably maintained road.

Identify any issues and provide recommendations with respect to the proposed Traffic Management Plans

Traffic Management (final) plan to be submitted for review

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.

The proponent shall ensure that adequate erosion and sediment control measures are in place which limit potential run off.
Municipal Road ditches /R.O.W and Municipal Drain ditches (Municipal infrastructure) shall be protected.

Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads.

All Municipal infrastructure disturbed will be reinstated to as good as or better than existing.

5.4 – Facility Other

Identify any issues and recommendations with respect to the proposed landscaping design for the facility

Proposed substation to be aesthetically pleasing.
(Substation asset as a learning / education centre)

Provide comment on the proposed project plans for emergency management procedures / safety protocols.

Fire to be discussed with local fire authority.

5.4 – Facility Other *(continued)*

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

Turbine #01 and #02 located in close proximity of the Byker Road which is currently a open road maintained seasonably.
Ice Throw Report prepared by proponents consultant identifies that once a turbine manufacturer is selected details of icing protocol for that specific turbine can be provided. Typically 1.5 times the turbine height is the industry protocol.
Byker Road is shared between Edwardsburg/Cardinal Township and South Dundas Towship.

Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location

All easements to be registered at Registry office.
Electronic GIS layer to be submitted depicting easements , turbine locations , access roads and substation.
All buried cabling ,etc to be field marked with signage indicating "buried cable" on all Municipal infrastructure (roads & drains).
Civic numbers at each turbine will be required at the proponents expense.

5.5 Project Construction

Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal or local authority infrastructure that could be damaged during construction.

The proponent/constructor and the Municipality will jointly document the condition of the road infrastructure prior to commencement of the construction.
The proponent/constructor shall be responsible to repair any damages caused by equipment ingress/egress.
Specifications on cable burial depth , etc forthcoming from proponent.

Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing drainage, water works and sanitary sewers

The Municipality and proponent/constructor will jointly document the condition of existing roadside ditches and Municipal Drains.
The proponent/constructor shall be responsible to repair or clean ditches/culverts in case of sedimentation occurs , etc.

Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults

All private utilities located within the Municipal right-of-way will require Municipal consent and approval.
Any buried cabling within the Municipal R.O.W. must be registered with Ontario One Call.

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

Municipal setback clearance permits will be required and meet all applicable laws.

5.5 Project Construction *(continued)*

Provide comment on the proposed project plans with respect to Building Code permits and licenses.
Building Permits will be required as well as meeting all applicable laws.
Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.
Several Municipal Drains will be intersected with buried cable and /or drainage culverts to provide access. **Drainage Work Permits will be required.** **Municipal Drain Engineer Reports will require amendments with respect to proposed access crossings and buried infrastructure cables and future maintenance provisions.** **Proposed turbines located outside floodplain.**
Identify any issues and recommendations related to the identification any archaeological resource or heritage resource.
None noted

Ontario

Ministry of the Environment

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

Ce formulaire est disponible en français

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

Section 1 - Project Description

1.1 - Renewable Energy Project

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

South Branch Wind Farm

Project Location

Same as Applicant Physical Address? ☐ Yes ☒ No (If no, please provide site address information below)

Civic Address- Street information *(includes street number, name, type and direction)*	Unit Identifier *(i.e. apartment number)*
See Draft Project Description Report, Table 4	

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

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

Lot	Conc.

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

Part	Reference Plan

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

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

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

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

See Draft Project Description Report, Section 4.4 for overview. For a more detailed description of each phase, see Draft Construction Plan Report, Draft Design and Operations Report, and Draft Decommissioning Plan Report respectively.

1.2 - Environmental Context

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

See Draft Natural Heritage Assessment Report and Draft Water Assessment Report for effects on those environmental components or see the Draft Construction Plan Report, Draft Design and Operations Report and Draft Decommissioning Plan Report for effects related to the relevant project phase.

Propose early avoidance/prevention/mitigation concepts and measures.

See above.

1.3 - Renewable Energy Generation Facility

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

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

Name Plate Capacity	Expected Generation	Service Area	Total Area of Site *(hectares)*
30 MW	30 MW	Ontario (Morrisburg TS)	1881

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.

The South Branch Wind Farm will use up to 14 wind turbine generators to convert the kinetic energy of the wind into electrical energy, which will be connected to the local Hydro One distribution grid. A final turbine model has not been selected, but each wind turbine will be a maximum of 3.0 MW, 140 m hub height, 116 m rotor diameter. There is a possibility that a subset of the 14 turbines will be used if a turbine with a name plate capacity greater than 2.0 MW is chosen.

1.4 – Renewable Energy Generation Activities

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

See Draft Project Description Report, Section 4.4

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	South Branch Wind Farm Draft Project Description Report	2011/01/04
DRAFT Design and Operations Report	South Branch Wind Farm Draft Design and Operations Report	2011/01/04
DRAFT Construction Plan Report	South Branch Wind Farm Draft Construction Plan Report	2011/01/04
DRAFT Decommissioning Plan Report	South Branch Wind Farm Draft Decommissioning Report	2011/01/04
List of other Documents	South Branch Wind Farm Draft Natural Heritage Assessment Report	2011/01/04
	South Branch Wind Farm Draft Water Assessment Report	2011/01/04
	South Branch Wind Farm Draft Archaeological and Heritage Resources Assessment Report	2011/07/31
	South Branch Wind Farm Draft Turbine Specifications Report	2011/01/04
	South Branch Wind Farm Draft Abutting Property Assessment Report	2011/01/04

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

Reports are available for public inspection online at www.prowind.ca. Hard copies will be available at Township of South Dundas Municipal Office and Township of Edwardsburgh/Cardinal Municipal Office.

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
South Branch Windfarm Inc.	80666 8018 RC0001

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

Civic Address- Street information *(includes street number, name, type and direction)*	Unit Identifier *(i.e. apartment number)*
226 1/2 James St. N.	Unit A

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

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

Lot	Conc.

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

Part	Reference Plan

Municipality	County/District	Province/State	Country	Postal Code
Hamilton	Hamilton	Ontario	Canada	L8R 2L3

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

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

Local Municipality *(include each local municipality in which project location is situated)*				☐ Yes	☐ No
Name of Municipality	Address	Phone	Clerk's Name	Clerk's Phone/Fax	E-Mail Address
Upper Tier Municipality *(include each upper tier municipality in which project location is situated)*				☐ Yes	☐ No
Name of Municipality	Address	Phone	Clerk's name	Clerk's Phone/Fax	E-Mail Address
United Counties of Stormont, Dundas and Glengarry	26 Pitt St. Cornwall Ontario K6J 3P2	613-932-1515	Helen Thomson (completed by Benjamin de Haan, P.Eng, County Engineer)	Same	hthomson@sdgcounties.ca bdehaan@sdgcounties.ca
Local roads area *(include each local roads area in which project location is situated)*				☐ Yes	☐ No
Name of local roads board	Address	Phone	Secretary-treasurer's Name	Secretary-treasurer's Phone/Fax	E-Mail Address
N/A					
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
N/A					

Section 5: Consultation Requirement

5.1 - Project Location

Provide comment on the project location with respect to infrastructure and servicing.

Project is located off of County Roads 16, 5 and 18. These arterial roads connect the hamlet of Brinston to various surrounding hamlets. The infrastructure available from the County is road access, utility location and stormwater outlet via open ditch

5.2 – Project Roads

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

Access to the various sites will be via County Roads 16, 5 and 18 which are all arterial roads that have been built to accommodate commercial traffic. New entrances will be required to access the various turbine sites.

Prowind has endeavoured to work with the County in order to establish which routes oversized trucks will take to access the site. A pre-condition road survey of vulnerable road sections or intersections which could be damaged by the movement of the construction materials and equipment will be required. If significantly vulnerable locations are noted, a security deposit may also be required to ensure that the County can correct any potential damage to its infrastructure.

Identify any issues and provide recommendations with respect to road access

The applicant will have to apply for entrance permits and construct the entrances in accordance with County commercial entrance standards. The applicant can make use of a temporary widening at the entrances in order to accommodate the oversized traffic which is expected into the site. Following construction, the widening will have to be removed.

The County roads which are accessed by the development are all load restricted; therefore the applicant will have to respect weight reduced loads when working during the half-load season (typically mid February to mid May)

Provide comment on any proposed Traffic Management Plans

No comment – it is understood that there will be an increase in traffic during the construction phase. The road will generally be able to accommodate this traffic and the contractor will erect signage in accordance with the Ontario Traffic Manual.

There are no issues with sightlines at the proposed site entrances.

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Identify any issues and provide recommendations with respect to the proposed Traffic Management Plans

5.3 – Municipal or Local authority Service Connections
Provide comment on the proposed project plans related to the location of and type of municipal service connections, other than roads.
The applicant shall ensure that adequate erosion and sediment control measures are in place which limit potential erosion and runoff.
Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads.
5.4 – Facility Other
Identify any issues and recommendations with respect to the proposed landscaping design for the facility
Provide comment on the proposed project plans for emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location
5.5 Project Construction
Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal or local authority infrastructure that could be damaged during construction.
The County and constructor will jointly document the condition of the road prior to the start of construction (review for rutting/ cracking / segregation). The Constructor/ owner shall be responsible to repair any damages caused by truck ingress/ egress.
Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing drainage, water works and sanitary sewers
The County and constructor will jointly document the condition of the existing roadside ditch and downstream cross culvert (review for sedimentation). The Constructor/ owner shall be responsible to repair or clean ditches and / or culverts if an increase in sedimentation occurs.
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
All private utilities located within the municipal right of way will require municipal consent and approval. Any buried cabling within the County Right-of-Way must be registered with Ontario One Call.
Provide comment on the proposed project plans with respect to Building Code permits and licenses.
A setback permit would be required from the County if any structures are located within 45 metres of the centreline of the road.
Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.
None noted. Provided turbines are located in the appropriate spot there will be insignificant impact on agriculture and negligible environmental impacts. Turbines locations shall avoid the 1:100 year floodplain.
Identify any issues and recommendations related to the identification any archaeological resource or heritage resource.

South Branch Wind Farm
Township of South Dundas and United Counties of Stormont, Dundas and Glengarry

Legend: TSD Township of South Dundas
SDG United Counties of Stormont Dundas and Glengarry
TEC Township of Edwardsburgh/Cardinal
UCLG United Counties of Leeds and Grenville

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Jack Sullivan	SDG	Email	4/9/09	Good afternoon Attached is a draft copy of the above mentioned OPA, please review it as soon as possible. If everyone is happy with it I will forward it to MMAH for preconsultation. Thanks and have a nice holiday weekend. Jack		OPA 8 Draft.pdf
Jack Sullivan	SDG	Email	4/13/09	Hello. Thank you for sending this out. We would like to add a small parcel of land to the project area, as we are currently working on some adjustments to the turbine placement. This adjusted layout will ensure we can meet all guidelines for sound and setback, etc., but will not change the total turbine count or nameplate capacity. Once I have the updated map with project area, I will provide the details for inclusion in the OPA. Regards, Cathy		
Michael Otis	SDG	Email	04/15/09	Thanks Cathy: Off hand it should not be a problem, particularly since the draft OPA has not been brought forward to a statutory public meeting. Also even when an OPA comes into effect, it is often possible to allow minor expansions to the boundary, without going through an OPA process provided the addition is small and the overall intent is still met. As soon as Jack Sullivan receives the adjusted boundary, he will amend the Schedule. Michael		
Michael Otis and Don Lewis	SDG, TSD	Email	06/01/10	Hi Mike and Don, It's been awhile since Prowind staff have met with your respective offices and we'd like to meet again to provide some updates on our proposed South Branch Wind Farm. This project is now the combination of our previously proposed Brinston Wind Farm, Boundary Wind Farm, and South Branch Wind Farm. As you may be aware, Prowind was recently awarded a 30 MW FIT contract for the project. This has renewed development activity at the site and we would like to re-engage both municipal tiers at this early stage. June 15, 16, and 17 are best for us. Is there at time during one of those days that work for both of you? Some of the topics we'd like to discuss are: · The new process under the Green Energy Act and Prowind's proposed approach · General project update and status · Emergency response resources and typical approach at wind farms · Potential road allowance usage agreement · New building permits near the project · General discussion of water crossings, road entrances, etc We are flexible on time of day, scope of the meeting, and municipal staff members in attendance. Best Regards, Juan	Juan Anderson	
Michael Otis	SDG	Email	06/02/10	Thanks Juan: I'm available any of those dates at say 10:30 AM. There's a remote possibility that I may be called as a witness at an OMB hearing on the 16th so the 15th or 17th is preferred. I would also like to discuss two other issues that have came up in the past with regard to the original wind farm proposal. The first is the issue of what ProWind is doing to ensure minimum disruption of agricultural operations on the site. Cathy Weston had provided us with your policy on this matter but does the expansion of the site from 10 to 30 MW present a problem in this regard? The second issue as you are probably aware is the extensive area on the site in the 1:100 Year Flood which was of concern to several agencies and as a result Prowind had agreed to avoid the floodplain area. Hopefully, this is still the case even with the introduction of more turbines on the site. Thanks you very much for asking for the meeting. I was impressed in the past with the degree of cooperation and discussion you company has provided to the Township and County. Michael,		

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Don Lewis	TSD	Email	06/02/10	Juan : The undersigned has kept June 15 or the 17 open as well for proposed meeting. Please indicate what date works best and I would be willing to host at Municipal office. Thanks Don Lewis		
Michael Otis	SDG	Email	06/02/10	Juan: I have also asked Ben De Haan, our County Engineer to attend. Ben is responsible for our County Roads. Thanks, Michael		
Michael Otis, Don Lewis, Ben De Haan	TSD, SDG	Email	06/04/10	Hi All, Thanks for your quick responses. I've spoken with our team and it sounds like the 17th at 10:30 AM as suggested best suits us as well. Meeting in Williamsburg will also work well. In response to your questions Michael, the 30 MW project we are proposing is the combination of 3 previously separate 10 MW projects. So we continue to be able to work around the floodplain. Consultation with the South Nation Conservation Authority suggests that access roads and buried cabling would be permitted in the floodplain provided they do not alter drainage patterns, the work is done outside of periods where flooding is typically expected, and the appropriate permits are secured. I look forward to our meeting. Best Regards, Juan		
Michael Otis, Don Lewis, Ben De Haan	TSD, SDG	Email	06/04/10	Thanks Juan: I assume that Don Lewis is still willing to host the meeting. Did you also invite someone from South Nation CA to attend the meeting?. Michael	Michael Otis	
Michael Otis, Don Lewis, Ben De Haan	TSD, SDG	Email	06/04/10	Hi Michael and Don, We haven't got a final response from them yet. It sounds like the 15th or 16th are better days for them. It would be great to meet all together but we are able to meet them separately also. We expect to hear back on Monday. We've also found it useful in the past to have the Fire Chief attend these meetings for a high level discussion of emergency response at a wind project. Is this something that would work Don? On a separate note, I'm currently preparing some preliminary turbine layouts, cable routes, and road access routes. I hope to be able to share some visual material on these with you in advance of our meeting to aid discussions. Best Regards, Juan		
Michael Otis, Don Lewis, Ben De Haan	TSD, SDG	Email	06/04/10	Juan-the 15th is definitely out for me and Ben as a department Head meeting has been called for that day. I assume that I won't be summonsed as a witness on the 16th. Thanks, Michael		
Michael Otis, Don Lewis, Ben De Haan	TSD, SDG	Email	06/04/10	Hi Michael, We plan to meet the South Nation Conservation Authority separately if they cannot attend our meeting on the 17th at 10 AM. Sorry for any confusion by the wording in my last email. Best Regards, Juan		
Michael Otis, Don Lewis, Ben De Haan	TSD, SDG	Email	06/08/10	Hello Guys : Just wanted to let you know that I have booked our Council chambers for meeting : Date : June 17 2010 Time : 10:30 A.M. Location : South Dundas Twsp Office 4296 County Road #31 Williamsburg , On TKS Don Lewis		

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Jason Vezina	TSD	Email	06/30/10	Hi Juan; I listened to your voice mail message, I am currently out of the office but I will return on Friday. Our permit fees for this type of project are based on overall construction value. I understand there is a value for each tower, but is that value broken down i.e. an amount for the foundation and structure, an amount for the turbine and associated electrical components? We would only be interested in the foundation and structure for each turbine so whatever value is given to those components is what we would charge a permit fee against. I'll give you a call back on Friday to discuss this. Jason		
Don Lewis, Brenda Brunt	TSD	Email	01/04/11	Hello Mr. Lewis, Prowind has put together a first draft of the South Branch Wind Farm Renewable Energy Approval (REA) for your review. We are giving this you in advance of the public so any major concerns can be addressed beforehand. I have attached an introductory letter and a Municipal Consultation Form. This form is to be completed by someone at the Township and returned to us once you are satisfied with the report. There is further explanation in the letter and any other questions, please don't hesitate to give me a call. We have decided to only provide an electronic copy of the REA at this stage of review, but if you'd like a hard copy, we can provide one. The REA can be found on our FTP server and can is accessible with the below information. We also plan to circulate the REA to the Township of South Dundas staff and council, United Counties of Stormont, Dundas and Glengarry staff, United Counties of Leeds and Grenville staff, and Township of Edwardsburgh/Cardinal staff and council. Municipal consultation forms will only go to municipal staff of the four municipalities. If you have any questions or have trouble accessing the REA on the FTP server, please let me know. I hope you had a great holiday. Welcome back! Take care, Rochelle Rumney		
Don Lewis	TSD	Email	01/06/11	Hello Rochelle : Would it be possible to have at least one hard copy of the entire proposal. It will aid in obtaining information during circulation to other internal departments such as Public Works. Thanks Don Lewis		
Don Lewis	TSD	Email	01/06/11	Hi Don, Of course. We can drop that off to you tomorrow. Are you located at 4296 Bank St. in Williamsburg? Rochelle		
Don Lewis	TSD	Email	01/06/11	Wow that is fast , yes we are located at 4296 County Road 331 in Williamsburg. Thanks Don		
Michael Otis	SDG	Email	02/14/11	Hi Michael, I was just writing to see how your review of the South Branch REA is coming along. We sent the reports over to you (via ftp) in early January and I just wanted to check in. I also wanted to let you know that I will be in the area Feb 28-Mar 2 and wondered if you were interested in meeting with us (Cathy Weston and myself) to discuss your review so far and address any questions or concerns. Even if there isn't much to discuss regarding the REA review at this point, it'd be nice to meet with you to discuss timelines, etc. If you have the time and think it's worth while at this point, let me know and we'll set something up. We can always set up a meeting at a later date if you think that would be better. Thanks, Rochelle		
Michael Otis	SDG	Email	02/14/11	Thanks Rochelle. As you are probably aware, we were involved in the review of the individual northern site, prior the REA process and Fit approvals when an OPA application was filed. I believe Prowind has already addressed previous concerns such as the extensive floodplain on the northern site and siting turbines to be sensitive to agricultural operations. I'm generally OK Feb 28 and March 1st but not March 2nd. I think it would be beneficial also to have Don Lewis from South Dundas as well as Ben De Haan our County Engineer at the meeting. I can see if they are available on Feb 28/March 1st. In terms of meeting location, we could meet at either the Township of South Dundas offices, if available or at the County Building. Michael,		

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Michael Otis, Don Lewis	SDG, TSD	Email	02/14/11	Hi Michael, I'm glad to hear that we've addressed most of the County's concerns in our new project plan, that should make the rest of the process quite simple. I have emailed Don Lewis as well to try and set up a meeting and if we could all meet together that would certainly be beneficial for us. It doesn't particularly matter to me where me meet, so I'll let you determine what is easiest for everyone there. At this point, either day will work for me as well. I've cced Don Lewis on this email to consolidate the two meeting invitations. Thanks for your reply. See you soon. Rochelle		
Michael Otis, Don Lewis, Ben De Haan	SDG, TSD	Email	02/14/11	Thanks Rochelle. Ben De Haan, our County Engineer may still have some comments on the impact on the County Road system. Michael		
Steven Byvelds, Don Lewis, Michael Otis	SDG, TSD	Email	02/18/11	Hi Mayor Byvelds, I've been talking to the County planner, Michael Otis and Township planner, Don Lewis to arrange a meeting to discuss the South Branch Wind Farm. They've been reviewing the draft Renewable Energy Approval reports and we'll go over any questions, comments, next steps, etc. We're hoping to meet sometime on Feb 28th or Mar 1st. Exact times and locations have yet to be established. I wanted to extend the invitation to you as well, to update you on the project and discuss timelines and public opinion on the project. Since your election in the fall, we haven't met in an official capacity regarding the wind project and I think it's important that we do. If you aren't able to make it on those dates, it would be great to sit down over coffee or lunch and chat about the project. Things are moving quickly and we want to make sure you and your Council are involved and up to date. Please let me know if this timing will work for you or if you have something else in mind. It will be great to meet you. Take care, Rochelle Rumney		
Steven Byvelds, Don Lewis, Michael Otis	SDG, TSD	Email	02/18/11	Rochelle Thanks for the email. I will be away for both dates. I would be happy to meet with you. Suggest some times and we can go from there. Steven		
Michael Otis	SDG, TSD	Email	02/18/11	Rochelle: Our County Engineer is not available those dates. I would suggest you may want to touch base with Ben De Haan at 613-932-1515x262 or bdehaan@sdgcounties.ca. He may have some comments on access to County Roads, load limits, drainage, etc. I believe Ben is away until February 24th. Thanks, Michael,		
Michael Otis, Ben De Haan	SDG	Email	02/18/11	Thanks Michael. I'll touch base with him and we can discuss those issues at a later date. Are you still interested in meeting with us, even if Ben is not available at that time? I also haven't heard from Don Lewis. Have you been able to talk to him about this meeting? Thanks, Rochelle		
Michael Otis	SDG	Email	02/18/11	Rochelle. We can still meet. I would suggest the meeting be at the South Dundas offices as the Mayor may also be present. No I haven't heard from don but could forward him the original email. Enjoy your weekend. Michael		
Michael Otis	SDG	Email	02/18/11	Rochelle. Just phoned Don Lewis. Looks like he is off until next Tuesday but I suggested he arrange the meeting at the South Dundas office either of those dates in the AM. Michael		

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Hugh Garlough, Steven Byvelds, Michael Otis, Ben De Haan, Debra McKinstry, Michael Wildman	SDG, TSD	Email	02/22/11	Hello All : Please see a couple of dates for informal meeting to be held at South Dundas Twsp Municipal Office to discuss proposed wind turbine project. DATE : March 07 2011 or March 08 2011 TIME : 10:00 am LOCATION : South Dundas Twsp Office Please indicate date(s) that your schedule permits attendance Thank You Don Lewis South Dundas Twsp.	Don Lewis	
Don Lewis	TSD	Email	02/22/11	Hi Don, Thanks for your help in setting this meeting up – it will be good to refresh everyone on the project status. Either of your proposed dates works well for me – unfortunately Rochelle won't be able to attend, but I think we'll be ok with just me from Prowind. Please keep me posted as to when a date is finalized. Cathy	Cathy Weston	
Don Lewis	TSD	Email	03/14/11	Hi Don, Further to our meeting last week, I have made up a new map showing the project area, along with woodlands, waterways, and drainage, and I believe this is what you were seeking in order to assist in the project review. Please review the attached and let me know if this is the right amount of detail for you. If there are additional details that you need, please let me know as it is relatively easy to adjust. In total there are 7 maps that will need to be printed. The cost for each set is $160. I will provide a set for each of the three offices, but since the cost is somewhat high, I'd rather not print three sets for your office until we've confirmed that they present the right details and that 3 copies of all maps are indeed required. Thanks, Cathy	Cathy Weston	South_branch_Layout_Features_2011-03-11.pdf
Don Lewis, Hugh Garlough, Steven Byvelds, Michael Otis, Ben De Haan, Debra McKinstry, Michael Wildman	SDG, TSD, TEC	Email	05/31/11	Hello, I have attached our current update newsletter for the South Branch Wind Farm. I hope you find this helpful in case you are facing questions about the project status. I will be distributing these to the communities neighbouring the project area later today. Please let me know if you have any questions. Regards, Cathy	Cathy Weston	Newsletter_May2011_web.pdf
Don Lewis, Steven Byvelds, Ben De Haan, Hugh Garlough, Michael Otis	SDG, TSD	Email	07/13/11	Hello all, I hope you're enjoying the summer. It's been a few months since we last met to discuss status and next steps for the Brinston wind farm project. I'd like to know if you have any feedback after having reviewed our initial Draft REA package, and whether you'd be available for a meeting in the next few weeks to catch up on status and allow me to provide some updated project details. We are preparing for a release of the updated draft REA reports to the public, hopefully before the end of August, and I'd like an opportunity to incorporate any feedback from this group before reports are widely posted. Thanks in advance, Cathy	Cathy Weston	

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Don Lewis, Steven Byvelds, Ben De Haan, Hugh Garlough, Michael Otis	SDG, TSD	Email	07/20/11	Hello again, Having received only one response, my assumption is that you're all pretty busy, either working hard or enjoying the summer. Either way, I'd still like to arrange for an update meeting, even by conference call if possible. Can you make time in your calendars for a short meeting either early next week (July 25-26), or the second week of August (Aug 8-12)? I suspect that we'd only need a half-hour or so for me to review project updates and respond to your questions and comments. In any event, I'll provide a summary of our updates to the project by email before the end of next week – my aim is to have updated REA reports before the end of July that will be distributed to our municipal and govt reviewers. I want to make sure we give you a chance to provide feedback on the updated project pans before we moving ahead with public release of project detail (expected in late August). Thank you in advance, Cathy		
Michael Otis	SDG	Email	07/21/11	Hi Cathy: July 25/26 is not good. We have a Scheduled OMB Hearing for August 11 but we are trying to get an adjournment for it an disf so, I would be available August 9, 10 or 11 . Thanks, Michael		
Don Lewis, Steven Byvelds, Ben De Haan, Hugh Garlough, Michael Otis	SDG, TSD	Email	07/21/11	Thanks for your feedback. Can we plan for August 9th (Tuesday) at 10am? I can travel to you, or could provide a conference line if it's easier for all paties. I'll plan to get you an emailed summary a week in advance. Does this work? Thanks in advance, Cathy	Cathy Weston	
Steven Byvelds	TSD	Email	07/22/11	I will be away for holidays but I think you can go ahead with your meeting and I will get the info from staff. Steven		
Michael Otis	SDG	Email	07/22/11	Thanks Cathy. Unless the OMB agrees to adjourn the Hearing scheduled for August 11th, I will be busy preparing for the Hearing. If the Hearing is not adjourned, I would suggest you go ahead with the meeting without me and you can always touch base with me after April 11. Thanks, Michael		
Don Lewis, Steven Byvelds, Ben De Haan, Hugh Garlough, Michael Otis, Jack Sullivan	SDG, TSD	Email	08/09/11	Here is a rough agenda for today's meeting: 1. Updates to REA since January 2. Project timeline 3. Feedback on REA 4. Municipal consultation form 5. Feedback and comments received from the community I have attached an estimated project timeline for your reference during today's call. Regards, Cathy	Cathy Weston	
Michael Otis	SDG	Email	08/09/11	Thanks Cathy. The OMB Hearing was not adjourned for this Thursday so Jack Sullivan and I will be meeting today with our Solicitor. Michael,		
Don Lewis, Steven Byvelds, Ben De Haan, Hugh Garlough, Michael Otis, Jack Sullivan	SDG, TSD	Email	08/09/11	Thanks Michael. I'll provide a written summary of the discussion. Please make sure you let me know if you have any questions or feedback on the most recent version of the REA (or our highlighted updates to the design). Cathy	Cathy Weston	
Michael Otis	SDG	Email	08/09/11	Thanks Cathy. I will let you know if I have any comments but if your most recent version of REA is basically the same as before, I shouldn't. Michael		

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Don Lewis, Steven Byvelds, Ben De Haan, Hugh Garlough, Michael Otis, Jack Sullivan	SDG, TSD	Email	08/09/11	Hello, Here are my notes from today's call. Please let me know if you've got questions or concerns. I've also attached the updated Municipal Consultation form here for your ease of reference. Cathy	Cathy Weston	TSD_SDG_SouthBranch_<iute_2011-08-09.docx, South Branch Wind Farm Municipal Consultation Form.pdf
Ben De Haan	SDG	Email	08/09/11	Hi Ben, Here is the municipal consultation form. I took a few minutes to update our address and a few other small items, but it is generally unchanged from the previous version. Thanks again for the call today. Take care, Rochelle	Rochelle Rumney	
Ben De Haan	SDG	Email	08/09/11	Would I be able to get a Word copy of this form?		
Ben De Haan	SDG	Email	08/09/11	Hi Ben, Unfortunately no. We only received a pdf from the province and I had to download a newer version of adobe acrobat in order to manipulate it. Adobe Acrobat 9 Pro works, if you happen to have it. Otherwise, an older version of adobe reader can write in the blanks with the "typewriter" tool, or can fill it out by hand if you like. Another option is to create a separate document, in word for example, and just reference the section #s and attach it to the form. I have been frustrated with this form several times as well, so I'm sorry for the hassle. However you manage to do it will be fine as long as the information is there and clearly identified with its appropriate section. Thanks Ben, Rochelle	Rochelle Rumney	
Ben De Haan	SDG	Email	08/09/11	Rochelle and Cathy Attached is a copy of the completed REA Consultation form.		
Ben De Haan	SDG	Email	10/20/11	Hi Ben, I hope you had a good summer. We recently had a public meeting for the South Branch Wind Farm and one of the people I spoke with for a fair amount of time was Mark Simzer at 10180 Glen Stewart Rd. He indicated that there are currently no utility poles in front of his house (as he is at the end of the line) and he would very much prefer to keep it that way. He asked if we would be able to bury our cables until we reached the first pole on the side of road. I told him that our preference is also to bury the cables in the road allowance up to this location as it is relatively close to where we come off of private land. I told him that we previously discussed burying cables in the road allowance with you and that the County's general preference was to have our cables on poles to the greatest extent possible. Given Mark's request and the relatively short distance (under ~600 m) of buried cable that it would entail, is there any chance you'd be in a position to agree to this? I've attached a google earth file showing the section of road allowance in question. We are flexible on using either side of the road. Best regards, Juan	Juan Anderson	
Ben De Haan	SDG	Email	11/03/11	Juan, Firstly, I'm not purposely ignoring your e-mails and phone calls – just extremely busy this time of year with the wrap up of summer projects and prep for winter season The location you mention below has poor/ deficient ditching; therefore we anticipate we will be ditching in this area in the near future in order to improve drainage. Although I can appreciate that Mr. Simzer's request – our preference is to have the wires on utility poles as it makes our roadside maintenance that much easier and less expensive when we work around poles as compared to dealing with buried utilities. Simply stated, unfortunately our answer is no, please maintain your design on utility poles.		

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Don Lewis	TSD	Email	01/16/12	Hi Don, Great chatting with you today and thanks for returning my call so quickly. As discussed, I am concerned about the timing on the Drainage Act approvals. On my end, I will have a culvert identification map for you this week which will illustrate the crossings from public roads to the turbine access roads. I will also start the process of identifying the haul routes, but this will likely take some time. So, if we can start discussions on the crossing first with haul route info pending, it would be much appreciated. Also, contact information from you for Hugh Garlow and Ben Dehon (SP?) would be terrific. Finally, please forward the document with drain classifications you referenced that was sent to Prowind some time ago. I will coordinate this going forward. Thanks and best regards, Jeff	Jeff Segal	
Don Lewis	TSD	Email	01/16/12	Hi Jeff, Contacts for Hugh and Ben are below: Benjamin De Haan: b_dehaan@sdgcounties.ca P:613-932-1515 Hugh Garlough: hgarlough@southdundas.com Best regards, Juan		
Don Lewis	TSD	Email	01/16/12	Hello All : I am pleased to see that you have all of our Twsp and local County SD&G road contacts. Contact Edwardsburgh / Cardinal Twsp for Municipal contacts and County Roads Dept Leeds & Grenville I will have the drainage layer electronically sent to you for your perusal. Thanks Don Lewis		
Steven Byvelds, Mayor	TSD	Email	01/17/12	Juan Council will discuss tonight our position on the South Branch project. As you are aware, the SB Opposition group came to Council in December asking for us to oppose the project. Council has now had time to investigate the issues and concerns including attending the meeting last Tuesday which in my opinion went well and your company did a good job of answering questions. My overall research still points to me supporting the project at the stage it is at. However, I have 2 concerns. My research has lead me to the topic of unfiltered electricity that comes from the turbines going to the substation. In my discussion with a person I know and has had experience, this becomes an issue if the lines are strung with the existing lines. It appears your project will have such lines from the Byker site to Brinston at the insistence of the Counties and Township. I would like to know if you would be willing to work with us again to come up with a solution by burying the lines to the substation as you have done with the rest of the project? I also believe that it would be best to find a route around Brinston to save in dealing with the roads. The other concern I have is the location of towers 9 & 15. These, in my opinion, are the ones that the community of Brinston would have the largest concerns. I know from your point of view these, being closest to the substation, may be the most profitable. However, I would have preferred a larger distance from the hamlet then you and the Province have allowed. I know this is short notice but I would appreciate your thoughts today. Thanks.		

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Steven Byvelds, Mayor	TSD	Email	01/17/12	Thanks for your message Steve, I need to discuss these requests with the rest of our team. They have been in scheduled meetings with the MNR for a good chunk of the day and we haven't had a chance to do the background work required to answer properly. We regret that we can't give you any definite answers in advance of your meeting today and we will investigate these matters in the near term. Please feel free to contact me directly if need be. We are also interested to learn more about your specific concern about un-filtered electricity. Is there any way for you to share your research on this topic? Best regards, Juan	Juan Anderson	
Steven Byvelds, Mayor	TSD	Email	01/18/12	http://www.electricalpollution.com/windturbines.html		
Don Lewis	TSD	Email	01/18/12	Hi Don - please find attached a culvert map for your review and comment regarding drain classification. Potential culvert locations have been identified with a letter designation. Also, please forward the drainage layer info you mentioned in your email of Monday. For clarity, note that culvert ID "C" only requires a culvert on the south side of the road. We only have electrical cabling from the northern turbines here. Finally, will we require any culverts along Byker Rd.? Please advise. Thanks, Jeff	Jeff Segal	South_Branch_Culvert_map_2012_01_18.pdf
Don Lewis, Hugh Garlough, Steven Byvelds	TSD	Email	02/01/12	Hi Don and Hugh, I hope winter is treating you both well so far. In response to concerns about ice throw/shedding from the proposed turbines near Byker Rd we have commissioned a specialized consultant to do a detailed analysis. The full report has been completed and is attached. The report was based on several conservative assumptions about the conditions along Byker Rd. A summary of the assumptions and results are below: · 1000 releases of 1 kg ice fragments per year per turbine · Traffic volume of 100 vehicles per day on the no-winter-maintenance section of Byker Rd - this was selected to account for potential future expansion of the road as we discussed · Road width of 8 m - this was also selected to account for future expansion of the no-winter-maintenance section of the road · Average vehicle speed of 15 m/s (54 km/h) With respect to the likelihood of an ice-to-vehicle impact the following probability is presented in the report: "the annual likelihood of an ice-vehicle impact is 0.0013, i.e., one impact every 785 years. In a similar manner, the annual likelihood of vehicle impact with the turbine stationary during any icing events reduces to 0.0010, or one impact every 985 years." The latter number corresponds to a stationary turbine when mitigation measures are enacted. We hope this satisfactorily addresses the risk from your perspective. Based on the full scope of the report we have updated the Ice Accumulation and Discharge section of the Design and Operation report. The updated text is copied below. We will be making the attached report available to the public later this week but wanted to give you an opportunity to view it in advance. If you have any questions or comments please feel to contact us as usual. Best regards, Juan	Juan Anderson	
Steven Byvelds, Mayor	TSD	Email	02/01/12	Juan If you and your President are interested, I would like to meet with you to discuss this project. As you may be aware, Council has backed the project. I think it would be a good idea to discuss a few concerns. Thanks.		

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Steven Byvelds, Mayor	TSD	Email	02/02/12	Hi Steven, Are you available for a call with Jeff (our President) and I this afternoon? 2 PM works best for us. We'd like to discuss your concerns, provide an update on your recent requests, and express our gratitude for council's support. Best regards, Juan	Juan Anderson	
Don Lewis	TSD	Email	02/13/12	Hello Juan : Is it possible to e-mail a copy of the aforementioned form. [Municipal Consultation Form]		
Don Lewis	TSD	Email	02/17/12	Hi Don - following up with you regarding commencement of the Drainage Act process as it relates to culverts and the preliminary haul route. I have attached two files: a culvert map and a preliminary haul route. These files are 'work in progress' and preliminary. Please do not distribute beyond staff who need to review for the purpose of the Drainage Act process. I have not yet received the electronic drainage layer you had mentioned in your email of Jan 16. Can you please forward at your earliest convenience. I'd like to schedule a conference call with you and your team to review the attached files and discuss 'next steps' as well as the relevant staff that we should be engaging at this point. Can we schedule Monday, Feb. 27 at 10:00? Thanks and best regards, Jeff		
Steven Byvelds, Mayor	TSD	Email	02/21/12	Hello Steven, Thanks for taking the time to discuss your requests with us on Feb 3rd. During our call we mentioned that we had scheduled a meeting with the Ministry of the Environment (MOE) to discuss your requests in regard to the level of flexibility we have at this stage of the Renewable Energy Approval (REA) process. The meeting was postponed by a week and we were able to meet with Ministry staff in person last week. The MOE's feedback on the implications of the requests were similar to what Prowind expected and what we discussed during our call. Moving proposed turbines, proposed cable routes, or proposed cable installation methods at this stage of the process would require additional public meetings after any report updates and field work would be completed. This would mean a multi-month delay in the REA process, which dramatically increases the risk that we will miss our required Commercial Operation Date of January 2014 and be subject to heavy penalties. On our present timelines we anticipate being quite close this deadline. As we discussed during our call, Turbines 9 and 15 have been located in a manner that maximizes setback distances while adhering to noise regulations. Turbine 9 is constrained from moving further north by a 250 m minimum setback from the high voltage transmission lines in the area. Turbine 15 is constrained from moving significantly further from Brinston by sound regulations and minimum setbacks from residences on Bell Rd. Given the effort made to maximize the setback in the existing layout and the limited flexibility to move the turbines further from Brinston, we are regrettably unable to justify the considerable delay that would result from making a minor turbine position change this late in the planning process. With respect to moving and/or burying the cables along Gilmour Rd we are similarly unable to sustain the delay in the REA process for securing additional land (for moved cables), doing additional field studies (for moved cables), and holding additional public meetings (for either scenario). We also regret that we cannot accommodate this request so late in the planning process.	Juan Anderson	
				To help address your concerns about 'unfiltered electricity' and a potential issue at a wind energy site in Ontario, we directly contacted the turbine manufacturer at that site for an explanation. We have attached the manufacturer's response for your reference. Our understanding is that there is no systematic interference issue associated with sharing poles with Hydro One under the modern Ontario Electrical Safety Code. With respect to the Municipal Consultation Form that was also discussed on our Feb 3rd call, the MOE has indicated that this is not essential for REA approval, although it is the best way for municipalities to document their concerns in the public record. We sent another copy of the form to Don Lewis last week at his request. We'd prefer to have the consultation form from the Township before submission to the MOE and would appreciate the Township staff's time in completing it before the end of next week (Feb. 24). For clarity, we are providing this to you at this time to keep you informed, not as a means to "go over his head". Please don't hesitate to contact myself or Jeff Segal should the Township require assistance in completing the form or have any questions. Best regards, Juan		Power Quality of Enercon Wind Energy Converters.pdf, 2011-08-01_South Branch Wind Farm Municipal Consultation Form_template.pdf

Contact Name	Agency	Method	Date	Message	Message Sender	Attachments
Michael Wildman	TEC	Email	02/21/12	Hi Michael, Further to my voice mail of last week, I'd like a few minutes of your time to touch base on the South Branch project. In particular, I'd like to hear your feedback with respect to the municipal consultation form that Prowind would like to submit to the MOE as part of our REA work. You can reach me anytime on my cell: (416) 951-7238. Alternatively, if you provide a day and time I can call you. Thanks and best regards, Jeff	Jeff Segal	
Steven Byvelds, Mayor	TSD	Email	02/23/12	Juan Thanks for your response. I do agree that it is too late to change things and I will not force the issue. As for your need for a Township response, if you have no response by the time you need it, please let me know and I will do what is required. Thanks again and please keep me in the loop.		
Michael Wildman	TEC	Email	02/25/12	Please contact Debra McKinstry who handles our Planning related matters at 613-658-3055.		
Steven Byvelds, Don Lewis	TSD	Email	03/13/12	Gentlemen, Prowind would like to submit our South Branch REA next week. Your comments and feedback are an important part of the approvals process and we'd like to ensure they are included for review by the MOE. Will you be able to return the Municipal Consultation Form by the end of this week? Thanks, Jeff	Jeff Segal	
Don Lewis	TSD	Email	03/13/12	March 13 2012 All : The undersigned has requested Hugh Garlough Public Works to make on site field visits this week for proposed turbine locations. Our neighbouring Municipality (Edwardsburgh/Cardinal) staff has requested a joint meeting to complete the Municipal questionnaires. If additional information is required , the undersigned will duly request same. Thank you for your patience in this matter. Don Lewis		

United Counties of Stormont, Dundas & Glengarry (UCSDG)

Tuesday, April 29, 2008

Michael Otis
County Planner

Jack Sullivan
GIS/Planning Technician

- A new official plan has been created (2006). However, there has been increasing interest in the subject of alternative energy development. UCSDG welcomes renewable energy projects, but wants to see studies first.
- Under the official plan, each application will be looked at on a case-by-case basis. A site-specific amendment is also required for the official plan, and can be handled simultaneously with the site-specific zoning amendment.
- The townships where the project would be established needs to be contacted. Their decision impacts the final decision of the County in their amendment of the official plan.
- Mr. Otis indicated that there would be very basic standards within the official plan if approved. For example, height related setback standards.
- Currently five of the townships within UCSDG are preparing comprehensive zoning by-laws.
- The zoning by-law committee meets bi-weekly, and is an opportunity to present the projects and requests to the members.
- Prowind may also present their proposal to the County Council so that they may have a better understanding of this industry. The County Council meets every third Monday of each month. In order to attend, it is advised that Prowind send a letter approximately 3 weeks in advance to Mr. Otis or Mr. Sullivan indicating our desire to make a delegation appearance (about 10-15 minutes).
- The amendment of the official plan can take 3 to 6 months. The plan is reviewed twice by the relevant provincial Ministries (Municipal Affairs).
- Mr. Otis clarified that he does not make the final decision to amend the official plan. He only recommends it and assists in the final decision.
- The first step in the amendment process is to present the situation to the township and submit applications for zoning amendment and official plan amendment at the same time.

Minutes of Meeting

Date: Friday, November 14, 2008

Time: 10:30 a.m. (EST)

Location: Office of the Ministry of Municipal Affairs and Housing (Kingston, Ontario)

Participants:

- Sandra Mancini, Mathieu Leblanc, and Jennifer Boyer of **South Nation Conservation Authority**
- Donald Lewis of **South Dundas Township**
- Calvin Pol of **North Dundas Township**
- Michael Otis of the **United Counties of Stormont, Dundas & Glengarry**
- John Henderson and Margo Watson of **Fotenn Consultants**
- Dan Ethier and Mike Elms of the **Ministry of Municipal Affairs and Housing**
- Bart Geleynse, Cathy Weston and Amy Brauneisen of **Prowind Canada**

Introduction

All participants introduced themselves and which organization they are affiliated with. Bart Geleynse of Prowind Canada introduced the company and provided a background of Prowind.

Details were provided regarding the Ontario Power Authority and the new program rules that are currently under development.

The projects located in the United Counties of Stormont, Dundas & Glengarry ("SD&G") were also described in-depth. Mr. Geleynse emphasized the importance of the South Branch Windfarm located in South Dundas Township. Reasoning for its significance is the power sale contract offered by the Ontario Power Authority.

Details with respect to Prowind's community involvement were presented, such as payments to local communities and landowners, property taxes, and annual community funding.

Cathy Weston of Prowind Canada discussed the environmental assessment ("EA") process and provided a background of significant matters requiring consideration and studies.

Official Plan and Zoning By-law Procedures and Amendments

Michael Otis of SD&G commented on his dissatisfaction with the justifications given in the Planning Rationale Report on the broad area of development. Mr. Otis wanted more information and clarification as to the extent of Prowind's intentions. Is Prowind planning to fill the whole area with windfarms, is it merely to secure those lands, is it to avoid submitting future amendment applications should a new project be negotiated? The County wishes to receive a justification report that meets their needs. Mr. Otis did acknowledge Prowind submitted an application based on his initial recommendations, but advised that he should have consulted with the Township Planners Don Lewis and Calvin Pol prior to his advice. Mr. Otis suggested that Prowind create a separate Official Plan Amendment Application and Planning Rationale Report for each project. The Zoning By-law Amendment Application can combine the projects located within the pertinent township, but the application at the County level will be site specific. (Referenced s. 9 and Table 9 of the Official Plan). Prowind may face opposition to a swath of lands, originally proposed in the application, and opposition will delay the process for all five projects located within SD&G. Mr. Pol commented that zoning amendments would be hard to argue once the Official Plan amendments are in

place. It was advised that Mr. Otis would review the Official Plan while Mr. Lewis and Mr. Pol review and comment on the application. Mr. Otis will then notify Prowind/Fotenn of the requirements to complete the application.

Mr. Otis stated the County circulates the Official Plan Amendment application to the Ministry of Municipal Affairs and Housing ("MMAH") and the Township(s) staff for review once the County is satisfied with its content. The township(s) staff will also be asked to hold the necessary public meeting. The purpose is to address issues before the application is presented to Council. The application will be brought to Council once the County decides the matter is dealt with sufficiently and the application is satisfactory. When Prowind holds the public meeting, it will need to present details of the EA in order to show the community that work is being done and that Prowind is able to answer questions or ease any fears. The EA is also required in order to receive building permission.

Agricultural Primary and Secondary Uses

The definition of primary and secondary uses on agricultural lands with respect to wind turbines was debated. It was concluded that the definition might vary by each agency's interpretation, however, MMAH and Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) both recognize wind turbines as secondary uses. Mr. Lewis and Mr. Pol wished to receive confirmation or proof that MMAH and OMAFRA regard turbines as a secondary use. Fotenn will be supplying this information. It was suggested that this confirmation of turbines as a secondary use be included in the Planning Rationale Report.

Floodplain Zone

The floodplain issue was discussed in detail. South Nation Conservation Authority ("SNCA") informed the table that a site plan is required and Prowind will need to produce the applicable studies if development is proposed within the floodplain. SNCA has the authority to refuse building permission regardless if wind power development is accepted in the Official Plan. SNCA also prefers that the Official Plan Amendment application be site-specific. As it currently stands, there is to be no development in the floodplain, although there are always exceptions. SNCA bases their decision on the 2005 Provincial Policy Statement ("PPS"), which states no development in a floodplain zone. There is a 15 metre setback from the floodplain boundary. Development can take place within the 15 metres as long as SNCA approves. Sandra Mancini of SNCA informed the table that her office is in possession of a GIS floodplain data layer, and is willing to work with Prowind on their mapping. It was made known that despite there are exceptions to development within a floodplain, MMAH will not accept an application for a windfarm that is located within the floodplain. Dan Ethier of MMAH referenced sections 1.8.2, 1.8.3, 3.1 and 3.2.1 of the PPS. (See below)

Conclusion

Fotenn and Prowind thanked everyone for the opportunity to discuss the SD&G projects.

Fotenn and Prowind will discuss the changes that need to be made and the next steps to be taken.

Mr. Otis will notify Fotenn and Prowind what material or information will be required based on a site-specific application.

The windfarm projects shall not be located within the floodplain area.

SNCA will provide Prowind a copy of the GIS date layer for the floodplain.

Referenced Material

2005 Provincial Policy Statement

1.8 ENERGY AND AIR QUALITY

1.8.1 Planning authorities shall support energy efficiency and improved air quality through land use and development patterns which:

a) promote compact form and a structure of nodes and corridors;
b) promote the use of public transit and other alternative transportation modes in and between residential, employment (including commercial, industrial and institutional uses) and other areas where these exist or are to be developed;
c) focus major employment, commercial and other travel-intensive land uses on sites which are well served by public transit where this exists or is to be developed, or designing these to facilitate the establishment of public transit in the future;
d) improve the mix of employment and housing uses to shorten commute journeys and decrease transportation congestion; and
e) promote design and orientation which maximize the use of alternative or renewable energy, such as solar and wind energy, and the mitigating effects of vegetation.

1.8.2 Increased energy supply should be promoted by providing opportunities for energy generation facilities to accommodate current and projected needs, and the use of *renewable energy systems* and *alternative energy systems*, where feasible.

1.8.3 *Alternative energy systems* and *renewable energy systems* shall be permitted in *settlement areas, rural areas* and *prime agricultural areas* in accordance with *provincial and federal requirements*. In *rural areas* and *prime agricultural areas*, these systems should be designed and constructed to minimize impacts on agricultural operations.

3.1 NATURAL HAZARDS

3.1.1 Development shall generally be directed to areas outside of:

a) *hazardous lands* adjacent to the shorelines of the *Great Lakes - St. Lawrence River System* and *large inland lakes* which are impacted by *flooding hazards*, *erosion hazards* and/or *dynamic beach hazards*;
b) *hazardous lands* adjacent to *river, stream and small inland lake systems* which are impacted by *flooding hazards* and/or *erosion hazards*; and
c) *hazardous sites.*

3.1.2 *Development* and *site alteration* shall not be permitted within:

a) the *dynamic beach hazard*;
b) *defined portions of the one hundred year flood level along connecting channels* (the St. Mary's, St. Clair, Detroit, Niagara and St. Lawrence Rivers);
c) areas that would be rendered inaccessible to people and vehicles during times of *flooding hazards*, *erosion hazards* and/or *dynamic beach hazards*, unless it has been demonstrated that the site has safe access appropriate for the nature of the *development* and the natural hazard; and

d) a *floodway* regardless of whether the area of inundation contains high points of land not subject to flooding.

United Counties of Stormont Dundas and Glengarry Official Plan

9.01 INTRODUCTION

The County Plan is a document which provides policy direction for future growth and settlement in the County. The basis of the Plan also recognizes the impact the current settlement pattern on the County's future. Part of that pattern reflects past decisions of municipal Councils. The intent of this section of the Plan is to give recognition to those past land use decisions as well as to recognize potential land use developments on a site specific basis. The following list is intended to create a series of special land use districts, which for the most part are site specific to one lot or property holding.

Project:	South Branch Windfarm
Trip Description:	Meeting with South Dundas Township and County Planners
Date of Trip/Mtg:	February 9, 2009, 10:00 am
Location:	Williamsburg Council Chambers, Williamsburg, Ontario
Contact:	Don Lewis
Attendees:	Prowind Canada - Cathy Weston
	FoTenn – Margo Watson, John Henderson
	South Dundas – Don Lewis, Mike Otis and Jack Sullivan

Official Plan and Re-Zoning Amendment Applications:

- The meeting was in regards to the applications for Official Plan and Re-Zoning Amendments for the South Branch Wind Farm. FoTenn had requested this session to discuss the applications and determine what next steps should be taken to move this application forward.
- FoTenn will draft the amendment to the Official Plan and Re-Zoning for this project. The OPA will be written at a less granular level than the Zoning Amendment, which will include quantitative and site-specific details.
- The OPA will provide definition for a wind farm, and will include clauses such as meeting established guidelines for MOE, zoning guidelines and assurances of compatibility with farm operations and scale of the farm.
- The Zoning Amendment will include detail on the number or nameplate capacity of turbines, setback measurements and will be accompanied with a formalized layout, including proposed maintenance roads.
- The Zoning Amendment will have a holding designation conditional on approval of the site plan application. This holding should help to provide assurances to concerned residents.
- Once drafted and reviewed by the South Dundas Township, the draft will be sent for peer review by Tim Chatter who has worked on similar submissions for the Kingston area.
- Cathy provided a summary of the status of Environmental Studies at each of the 5 sites. Don requested that the draft ESR for South Branch be included in the package for Official Plan Amendment.

General Wind Farm Info:

- Mike provided a copy of the recent resolution adopted by the Prince Edward County Council for further study into the potential for health impacts of wind farm development. PEC has asked SD&G for their support of this initiative. Cathy will provide documentation on the studies that have been completed to date on the potential for health impacts and noted that so far there has not been scientifically proven evidence of any such impact.
- Mike and Don both noted that since the South Branch project is the first time they've worked through wind farm development, they do not yet have strong industry knowledge and look to us to provide further background information.
- Margo suggested that additional (informal) meetings with the County and Township councilors be held to provide general information on wind farm development – this is in attempt to provide the information that will be needed to respond to questions and concerns of neighbouring

residents. Don was supportive of this idea.

- Don requested a summary of the comments and questions obtained at the recent open house. Cathy will provide this, along with a copy of the literature that was on-hand. This will help the Council anticipate and prepare for questions that may arise at the public meeting on the OPA.
- Mike requested a chart comparing the scope and size of the proposed South Branch wind farm with other projects that are known to residents (e.g. the 10MW project versus the much larger Wolfe Island project).
- Cathy will prepare a letter summarizing Prowind's policies on layout design for wind farms – to include detail on the intent to minimize disruption on farming activities on the property, how sound and shadow effects are studied and minimized, minimum setback from non-participating residences, etc.

Design of Access Roads:

- There have been some questions from the Public Works department brought to Don regarding use of municipal roads for equipment transport during construction. Margo will look into the requirements for upgrades and compensation for any damages.
- Margo will provide a sample standard site plan agreement for a wind farm that includes this type of assurance for roadways and other public infrastructure.
- The South Nation Conservation group has not provided a response on the proposal to create access roads through the flood plain. Margo will continue to follow up. When they are prepared to discuss further, we may bring all parties together (SNCA, County and Township groups) for another in-person meeting.
- Don noted that some of the roadways in the area are submerged by 2-4 feet of water in the spring and that this should be considered when designing access paths and timing for construction.

Follow Up:

- Margo – Draft of OPA and ZAA
- Margo – Summarize responsibility for upgrades and repairs to municipal roads
- Margo – Provide sample site plan agreement for a similar wind farm
- Margo – Follow up with South Nation on access roads through floodplain
- Cathy – Layout for South Branch with roadways
- Cathy – Summary of open house questions and comments
- Cathy – Hard copies of handouts and materials from open house, including health studies
- Cathy – Letter stating Prowind policies for layout design
- Cathy – Copy of the draft ESR

Purpose of Mtg: Follow up to South Branch Official Plan Amendment Application

Date: April 6, 2009

Attendees:

Prowind: Luke, Amy, Cathy

FoTenn: John Henderson, Margo Watson

SD&G: Jack Sullivan, Michael Otis, Don Lewis

Notes:

1. Meeting Objectives

Michael noted that the objectives of the meeting today are to finalize the wording on the draft Official Plan Amendment (OPA) update so that it can be sent to the Ministry of Municipal Affairs and Housing (MMAH) for official review and comment.

Prowind confirmed their intention to move ahead with the OPA for South Branch at this time, regardless of the expected Green Energy Act (GEA), or Bill 150, which may remove the need for County or Township planning approval.

After comments are received from MMAH, the Township will coordinate and hold a public meeting to solicit community feedback. The summarized results will form the recommendation to the County for acceptance or modification to the OPA text. The County will make the final decision as to whether to pass the proposed OPA.

2. OPA Policy Updates

The only requested update to the policy updates was the request by Michael Otis to include a hard limit on the number of turbines that would be erected. Mr. Otis felt that this limit would help to make the updates more palatable to the Council as it is obviously much smaller than the Wolfe Island project (with over 70 installed turbines to date), which figures prominently in current mindset. This is a site-specific OPA update, so is pertinent only to the South Branch location.

Luke agreed to have this included as an upper limit of 5 turbines on the South Branch property. The current regulations for sound setbacks effectively limit the development to this number of turbines anyway. The comment was made that if the GEA is adopted and provides opportunity to increase the size of the wind farm, then the wording of the Official Plan to limit turbine count would be moot.

There were no other comments specific to the wording of the OPA updates.

FoTenn will provide updated wording to include the turbine limit to Michael Otis by April 7th. County staff are in the process of preparing the Text of the Amendment with the input of FoTenn. The policy text will be circulated to MMAH with agency consultation completed by the Ministry of Agriculture and Food, South Nation River Conservation Authority, the Ministry of Natural Resources and the Ministry of the Environment. Dan Ethier, the area planner from MMAH, is aware that the draft OPA will be sent soon for pre-consultation.

The County is hoping to receive exemption from MMAH in the near future – but not likely before the end of May. If the exemption is provided, it would mean the County would not have to send materials to the Ministry for review and final approval, thus shortening the process and the time before an OPA is adopted. This is particularly important if the GEA is not passed and an OPA must be submitted for each project in the County.

The policy will be circulated with an OPA Schedule showing the project area without turbine locations shown.

Luke asked whether there is still some flexibility in the positioning of turbines, even after the OPA amendment is passed – the response was that yes, the layout does not need to be final for the Official Plan or Zoning Amendments, just for the site plan.

Don Lewis asked whether the turbines would be situated in the flood plain, indicating that the proposed GEA would permit turbine placement within the floodplain. Luke responded that Prowind has planned to stay out of the flood plain, as prescribed in an earlier discussion with MMAH.

3. Timeline

The updates to the OPA policy will be submitted this week, and will be circulated for agency review shortly thereafter. It is expected that the MMAH will be able to provide their comments within 30-60 days, since they've already reviewed much of the supporting detail and have been in close contact with FoTenn, and the other reviewing agencies in the past few months.

Following agency review, the Township will circulate the policy text and hold discussions at the township zoning meeting and will organize and host a public meeting for comments – likely to be held in June 2009. Prowind should plan to attend both of these, along with FoTenn as our consultants. A brief presentation may be prepared and Prowind will be prepared to answer any questions that may arise. These will be informal sessions.

After the Township meeting, the recommendations will be formed and passed to the County Council for review at their next Council meeting. This meeting will not be a public session, but Prowind can request to attend as a delegate. This will likely occur in August.

4. Other Comments

Don Lewis and Michael Otis have received comments and questions and have participated in several discussions about the wind farm development proposal. Interested parties have been encouraged to contact Prowind directly for more information. Both Don and Michael indicated that there are likely to be a small number of people on the County and Township Councils with questions regarding the development process, project plans and wind energy in general.

It was noted that the Zoning By-Law Amendment is reviewed and decision to pass or update is made by the Township. If approval to pass the Amendment is granted, it is normally done such that it comes into effect coincidentally with the adoption of the OPA.

Prowind will provide a summary of the EA studies that are required for Ontario wind development farm projects in general, along with a summary of the progress of the South Branch project and results compiled to date. This summary will be referenced in the report to County Council once the Township has provided their recommendations.

Action Items:

1. FoTenn to prepare updated text for the OPA
2. Cathy to provide a summary of the EA process to be presented at the zoning meeting
3. Margo to discuss the Township's consultation process and meeting timelines with Don Lewis

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 4, 2011

Township of South Dundas
4296 County Road 31/Bank St.
PO Box 160
Williamsburg, ON K0C 2H0

Attention: Don J. W. Lewis, Manager of Planning & Enforcement
Reference: South Branch Wind Farm Draft REA Review

Dear Mr. Lewis,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the review process.

Additionally, we have included a Municipal Consultation Form for your municipality to complete. Pages 1-3 have been completed by Prowind and pages 4-6 are to be completed by you. Please complete and return this to us at your earliest convenience.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719
rrumney@prowind.ca

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
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Website: www.prowind.ca

January 4, 2011

Township of South Dundas
Mayor and Council
4296 County Road 31/Bank St.
PO Box 160
Williamsburg, ON K0C 2H0

Attention: Mayor Byvelds and Council
Reference: South Branch Wind Farm Draft REA Review

Dear Mayor Byvelds and Council,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed, this inlcudes Archaeology and Heritage Impact studies. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the review process.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

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Environmental Coordinator

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Website: www.prowind.ca

January 4, 2011

Township of South Dundas
4296 County Road 31/Bank St.
PO Box 160
Williamsburg, ON K0C 2H0

Attention: Brenda Brunt, Clerk
Reference: South Branch Wind Farm Draft REA Review

Dear Ms. Brunt,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the review process.

Additionally, we have included a Municipal Consultation Form for your municipality to complete. Pages 1-3 have been completed by Prowind and pages 4-6 are to be completed by you. Please complete and return this to us at your earliest convenience.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719
rrumney@prowind.ca

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P.O. Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 4, 2011

United Counties of Stormont, Dundas and Glengarry
Planning Department
26 Pitt Street, Suite 208
Cornwall, ON K6J 3P2

Attention: Micheal Otis, County Planner
Reference: South Branch Wind Farm Draft REA Review

Dear Mr. Otis,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the MNR review process.

Additionally, we have included a Municipal Consultation Form for your municipality to complete. Pages 1-3 have been completed by Prowind and pages 4-6 are to be completed by the muncipality. Please complete and return this to us at your earliest convenience.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719
rrumney@prowind.ca

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 4, 2011

United Counties of Stormont, Dundas and Glengarry
26 Pitt Street
Cornwall, ON K6J 3P2

Attention: Helen Thomson, Clerk
Reference: South Branch Wind Farm Draft REA Review

Dear Ms. Thomson,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the review process.

Additionally, we have included a Municipal Consultation Form for your municipality to complete. Pages 1-3 have been completed by Prowind and pages 4-6 are to be completed by the municipality. Please complete and return this to us at your earliest convenience.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719
rrumney@prowind.ca

Purpose of Mtg: Follow up to South Branch Draft REA – Informal Meeting

Date: March 8, 2011

Attendees:

Prowind: Cathy Weston, Juan Anderson

Twp SD: Jack Sullivan, Michael Otis, Ben De Haan

SD&G: Hugh Garlough, Steven Byvelds, Don Lewis

Notes:

1. Meeting Objectives

To elicit feedback on the draft REA package distributed in early 2011.

To identify any concerns or items that need further investigation

To provide updated timelines and project status.

2. Project timeline

The Draft REA will be considered complete once the Archaeological and Heritage Impact Assessment report is complete. This is presently waiting on the snow to melt, so should be completed hopefully by the end of April 2011. Once this report is finalized, the package will be published for public review for a minimum of 60 days, taking us likely to the start of July, when the final open house will be held. Following this, the full REA is submitted to the MOE for review and comment – they will take up to 6 months to complete this review. We are targeting February 2012 for REA to have been granted.

In the next 12 months, Prowind must also close out details of grid connection, and financial close. It is expected that these will be completed to coincide with the final REA permit.

Construction will be planned to begin in approximately May 2012, after the load restrictions on roads are cleared, and should continue through 2012 for an early 2013 commissioning date.

3. Municipal consultation form

The MCF has been circulated with the DRAFT REA and must be completed by County and Township prior to our final REA submission to the MOE. We aim to have the form signed-off by the end of July, and will work with you to ensure your questions, concerns and requirements are fulfilled before this time.

4. Feedback on the REA submission

Don Lewis has requested larger copies of all of the site plan maps and the basic layout, for each of the reviewing offices. This will help with the review of any roads / construction caveats that need to be considered.

- **Cathy** will provide copies to each of the reviewing offices.

The Township requested that there be a single point of contact should there be any problems, emergencies or other issues related to the project, either during construction or after commissioning. Cathy confirmed that there will be a hotline number circulated – this will be to Prowind, who will triage the issue and escalate to the appropriate team(s) for closure.

Juan will check with the Province for an update on the proposed funding to be allocated for road upgrades near Renewable Energy projects.

Don requested that Prowind take efforts to establish and maintain an information facility for the wind farm. He envisions a fair bit of traffic at the project site and would like to see a form of tourist information booth that is relevant, up-to-date and well maintained. Cathy confirmed Prowind's intentions to establish and maintain something like this – likely to be located within the Operations and Maintenance building for the life of the project.

There were several general comments about roadways and crossings. In particular:

- Byker Road is an unmaintained road in winter. The inclusion of 3 access roads will require that it be maintained year-round. Prowind would consider taking responsibility for this maintenance during the life of the project.

- Byker Road is also shared between Edwardsburgh-Cardinal and South Dundas. An agreement for road usage would need to be established between the 3 parties. **Prowind will initiate.**

- Prowind will be responsible for snow removal and maintenance of the access roads to turbines. This will be contracted to someone in the local area.

- The access road to Turbines 12 and 13 is presently an unopened road allowance, **Prowind** will determine if Francis Henderson owns this strip, or if it is still owned by the Township.

- County and Township permits are required for places where we plan to bore under the roads (for cabling). Hugh confirmed for most of the places where cables cross roads, we will be required to bore underground. The cable then needs to be marked at either side. He asked about whether the cables would be concrete encased – this is to be determined (**Prowind**).

- Where cables bore under the roads, they should be set back to the full road allowance so as not to impede future road widening (**Juan**).

- Reviewers want to look more closely at any potential for changes to drainage patterns – the intention is for the wind farm to avoid any changes to the current drainage (**Juan**).

- Railway crossings could be of concern and will be avoided if at all possible (**Juan**).

- The turning radii on the access roads will be removed after construction, as these are temporarily needed for the delivery of large equipment.

- Both SDG and TSD also require permits for access road entrances – these must be designated to suit the activity (i.e. industrial, commercial, temporary) and there will be requirements for width of the entrance (**Juan**).

- There is a valid concern about any potential damages to roads caused by transport of the large equipment to site. Ben indicated that they would seek an agreement to ensure the developer is held responsible for repairs caused by wind farm activities and that a letter of credit is held as insurance. This is reasonable to Prowind, but must be escalated for confirmation. I would like to start establishing the format of these agreements soon, so as to avoid any delays in future. (**Cathy** to escalate for discussion)

5. Design and Operations questions

5.1. Road allowance agreement(s)

Ben was pleased to see the plan for overhead wires along Gilmour Road – his hesitation to buried cables is because of the existing infrastructure in the road allowance.

When **Prowind** has established a more thorough hydro pole plan, we should send the request to the municipalities. The plan should include the locate points of the poles to be added, and those to be replaced.

5.2. Acceptable hours for construction activity

There is no noise bylaw in the township, but the group agreed that the proposed time limits of 7am to 10pm with excessive noise ending at 9pm are reasonable.

5.3. Typical timing of load restrictions on roads

There are road restrictions in the spring. Half load restrictions typically end in mid-may, usually no later than May 24.

5.4. Early consultation on delivery route to site

This is normally handled by the carrier company, in consultation with the County / Township. Once a turbine and carrier have been identified, we can more closely review the planned delivery route.

It is anticipated that due to domestic content requirements, the turbine towers will likely be mfg in Ontario and will be arriving from the west (as opposed to the typical delivery of towers from Quebec).

6. Telecommunications – contacts

Cathy circulated the Radio and Telecommunications Impact Assessment report – in summary, there are no anticipated impacts to communications channels as a result of the wind farm.

Cathy will check with the county fire department and other EMS to determine whether there are any additional transmit / receive signals that should be incorporated into the investigation.

7. Other

There were questions on the level of interest / questions we had received from local residents and neighbours – not a lot. There are some people who are opposed to the project, but none have contacted Prowind directly.

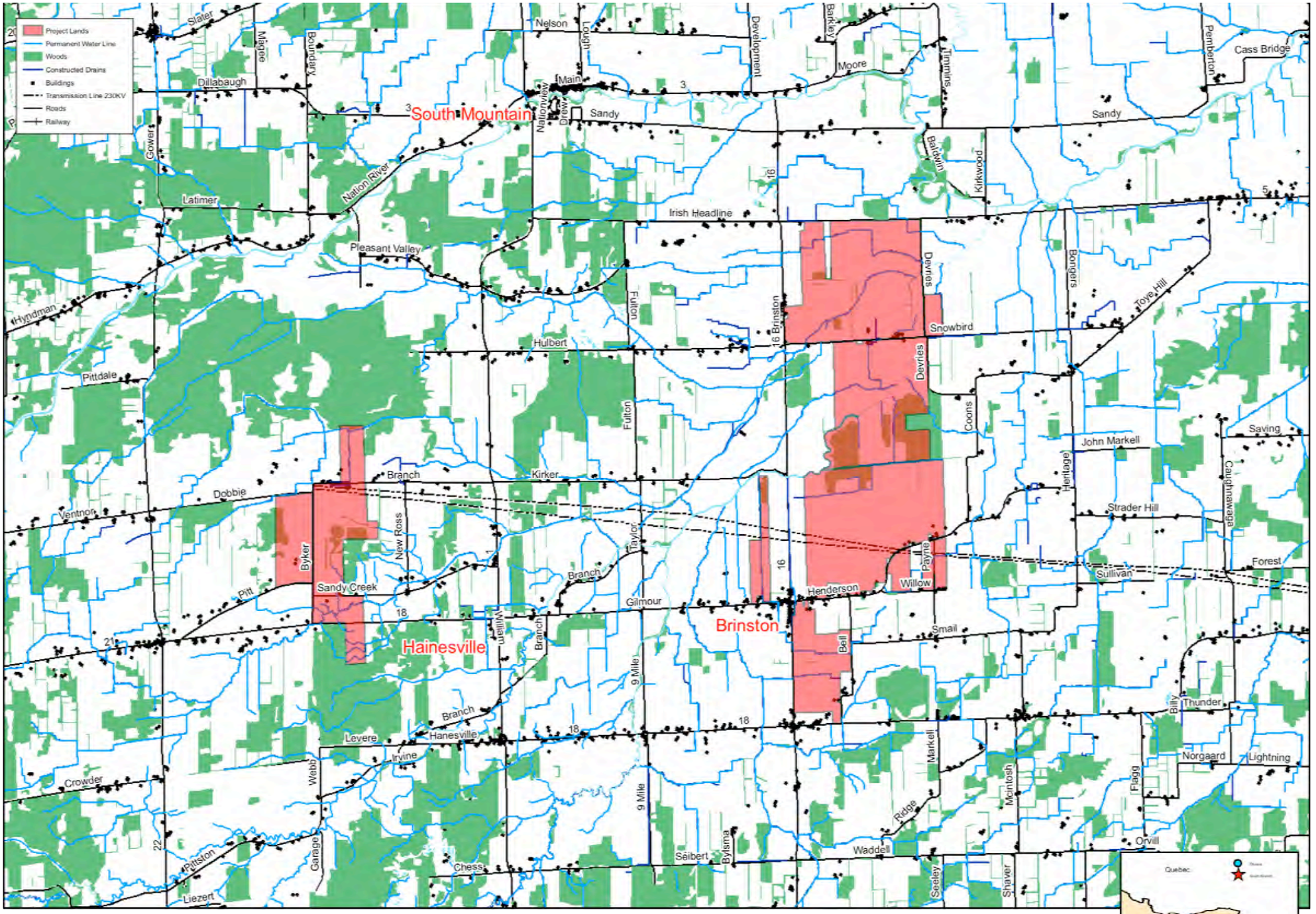
Don had questions on whether the wind farm would prevent landowners from building new homes closer than 550m to a turbine. The answer is no – all are welcome to build as close as they want afterwards, but after the turbine layout has been released publically, any new planned structures do not have to be compliant with the noise setbacks.

As per the regulations, each vacant lot near the project area has been incorporated into our noise assessment by way of an assumed residence at a location consistent to the area that complies with the noise guidelines.

There were questions on the number of permanent jobs that would be created by the wind farm – typically 1 full time job (maintenance and operation) per 10MW is expected. There will also likely be at least 1 full time position for post-construction environmental monitoring of the site.

8. Next Meeting

The group will plan to meet again in early June to follow up on open items and maintain progress.



Kilometers

0 1 2 4 6

1:80,000

Feburary 24th 2010
Prowind Geomatics
GIS: Jonathan Murphy
NAD 83 UTM 18N
Map created on 11 X 8.5 in.

Key Map to Project Area

South Branch Wind Farm Project Area

Purpose of Mtg: Follow up to South Branch Draft REA – Informal Meeting

Date: August 9, 2011

Attendees:

Prowind: Cathy Weston, Rochelle Rumney

SD&G: Ben De Haan

Notes:

1. Meeting Objectives

To elicit feedback on the updated draft REA package distributed in early 2011.

To identify any concerns or items that need further investigation

To provide updated timelines and project status.

2. Project timeline

A draft timeline was presented in advance of today's call. The full draft REA has been published for public review, and a date for the final open house has been set (Sept 29th). The final REA will be submitted to the MOE on October 5th.

Municipal Consultation Forms from the Township and County representatives are kindly requested before Sept 15th so that feedback can be incorporated into the final REA.

Per the draft timeline, 2012 will be a year to finalize all permits, secure financing and complete the required engineering design work.

Construction will likely begin in approximately May 2013, after the load restrictions on roads are cleared, and should continue through to the late fall / early winter 2013 for commissioning.

3. Municipal consultation form

The MCF has been circulated with the DRAFT REA and must be completed by County and Township prior to our final REA submission to the MOE. We are kindly asking for submission by Sept 15th to ensure your questions, concerns and requirements are fulfilled before our target submission date of October 5th.

Ben will prepare the Municipal Consultation Form on behalf of SD&G and will provide that to Prowind shortly.

Cathy will follow up with the Township officers for their feedback.

4. Feedback on the REA submission

Cathy provided a summary of the updates to the REA since the earlier draft was provided in January. At a high level, there is one less turbine (T14), a couple of access road modifications and expansion on our field studies.

Ben reviewed the impact of the project from a County perspective, paying close attention to road accesses and areas where cabling will intersect or run along county road allowances. Ben noted the following items in particular:

- Road access to T5 & T6 (County Rd 5) – no issues with planned approach. A temporary (industrial) road entrance permit will be required during construction that then must be updated for the permanent road dimensions after construction. He cautioned about the flood plain in this area, noting that the fields are often flooded in the spring.

- Road access to T15 from Brinston Road (County Rd 16). The proposed road access seems fine.

- Overhead and buried cable on Brinston Road: the cable is proposed to run along existing Hydro One poles and will be buried in the private field just south of Brinston, running underground toward the substation. Permits are required for updates to existing hydro poles (either new poles, or new wires on existing poles). We will also need to register and receive approval for the cable if it is buried in any part of the municipal easement.

- Electrical cabling along Gilmour Road – (County Road 18) – again, the place where cabling meets the overhead poles must be registered within the county database to support the Ontario OneCall and we will need to gain County Approval for any new poles or upgraded poles along this route.

- Transportation routes will be reviewed for potentially needed road upgrades once a carrier has been identified.

226 ½ James St. N., Unit A
Hamilton, ON L8R 2L3
Phone: 905.258.1747
Fax: 866.203.6516
Email: info@prowind.ca
Web: www.prowind.ca

Township of South Dundas
4296 County Road 31/Bank Street
PO Box 160
Williamsburg, ON K0C 2H0

November 8, 2011

Attn: Brenda Brunt, Clerk

Don J. W. Lewis, Manager Planning/Enforcement

Re: South Branch Wind Farm Draft Renewable Energy Approval Reports

Dear Ms. Brunt and Mr. Lewis,

We are pleased to present you with the updated South Branch Wind Farm Draft Renewable Energy Approval (REA) reports. These are identified as Draft Version 2.2 and dated November 4, 2011.

These reports include all feedback received to date from public, municipal, agency and First Nations stakeholders. Additionally, it includes approval letters from the Ministry of Natural Resources and the Ministry of Tourism and Culture.

These draft reports will be published for public review as of November 9, 2011. As such, we request that a hard copy of the reports (provided with this letter) is made available in your office, at the front desk for any resident of South Dundas to review, if requested. These are public documents required to be made available to the community, so please do not let anyone remove the document from the office for personal use. The report can be copied or is available for download from our website at www.prowind.ca. If additional hard copies are requested by a community member, please ask them to contact our office.

To complement the above documents, Prowind Canada will host an additional Public Information Open Houses in the Township of South Dundas. This meeting aims to get feedback from the community, answer questions and concerns, and present the information published in the reports. The date and location of this meeting can be found on the attached invitation. Please post this Notice of Public Meeting in your office for public viewing. I will also email a copy directly to you and additional staff at the Township of South Dundas. This invitation will also be sent out the local community surrounding the project area and emailed to those on our mailing list.

Thank you for making your office available for public viewing of these reports. We appreciate your cooperation.

If you have any questions or concerns, please feel free to contact me at our office at 905 528 1747 or email me directly at rrumney@prowind.ca.

Kind regards,

Rochelle Rumney
Prowind Canada Inc.

APPENDIX G2

CONSULTATION WITH
TOWNSHIP OF TOWNSHIP OF EDWARDSBURGH/CARDINAL
AND
UNITED COUNTIES OF LEEDS AND GRENVILLE

Ontario

Ministry of the Environment

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

Ce formulaire est disponible en français

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

Section 1 - Project Description

1.1 - Renewable Energy Project

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

South Branch Wind Farm

Project Location

Same as Applicant Physical Address? ☐ Yes ☒ No (If no, please provide site address information below)

Civic Address- Street information *(includes street number, name, type and direction)*	Unit Identifier *(i.e. apartment number)*
See Draft Project Description Report, Table 4	

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

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

Lot	Conc.

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

Part	Reference Plan

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

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

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

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

See Draft Project Description Report, Section 4.4 for overview. For a more detailed description of each phase, see Draft Construction Plan Report, Draft Design and Operations Report, and Draft Decommissioning Plan Report respectively.

1.2 - Environmental Context

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

See Draft Natural Heritage Assessment Report and Draft Water Assessment Report for effects on those environmental components or see the Draft Construction Plan Report, Draft Design and Operations Report and Draft Decommissioning Plan Report for effects related to the relevant project phase.

Propose early avoidance/prevention/mitigation concepts and measures.

See above.

1.3 - Renewable Energy Generation Facility

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

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

Name Plate Capacity	Expected Generation	Service Area	Total Area of Site *(hectares)*
30 MW	30 MW	Ontario (Morrisburg TS)	1881

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.

The South Branch Wind Farm will use up to 14 wind turbine generators to convert the kinetic energy of the wind into electrical energy, which will be connected to the local Hydro One distribution grid. A final turbine model has not been selected, but each wind turbine will be a maximum of 3.0 MW, 140 m hub height, 116 m rotor diameter. There is a possibility that a subset of the 14 turbines will be used if a turbine with a name plate capacity greater than 2.0 MW is chosen.

1.4 – Renewable Energy Generation Activities

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

See Draft Project Description Report, Section 4.4

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	South Branch Wind Farm Draft Project Description Report	2011/01/04
DRAFT Design and Operations Report	South Branch Wind Farm Draft Design and Operations Report	2011/01/04
DRAFT Construction Plan Report	South Branch Wind Farm Draft Construction Plan Report	2011/01/04
DRAFT Decommissioning Plan Report	South Branch Wind Farm Draft Decommissioning Report	2011/01/04
List of other Documents	South Branch Wind Farm Draft Natural Heritage Assessment Report	2011/01/04
	South Branch Wind Farm Draft Water Assessment Report	2011/01/04
	South Branch Wind Farm Draft Archaeological and Heritage Resources Assessment Report	2011/07/31
	South Branch Wind Farm Draft Turbine Specifications Report	2011/01/04
	South Branch Wind Farm Draft Abutting Property Assessment Report	2011/01/04

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

Reports are available for public inspection online at www.prowind.ca. Hard copies will be available at Township of South Dundas Municipal Office and Township of Edwardsburgh/Cardinal Municipal Office.

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
South Branch Windfarm Inc.	80666 8018 RC0001

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

Civic Address- Street information *(includes street number, name, type and direction)*	Unit Identifier *(i.e. apartment number)*
226 1/2 James St. N.	Unit A

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

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

Municipality	County/District	Province/State	Country	Postal Code
Hamilton	Hamilton	Ontario	Canada	L8R 2L3

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

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

Local Municipality *(include each local municipality in which project location is situated)*				☐ Yes	☐ No
Name of Municipality	Address	Phone	Clerk's Name	Clerk's Phone/Fax	E-Mail Address
Township of Edwardsburgh/Cardinal	PO Box 129 Spencerville ON	613-658-3055	Debra McKinstry	613-658-3055 613-658-3445 (Fax)	dmckinstry@twpec.ca
Upper Tier Municipality *(include each upper tier municipality in which project location is situated)*				☐ Yes	☐ No
Name of Municipality	Address	Phone	Clerk's name	Clerk's Phone/Fax	E-Mail Address
Local roads area *(include each local roads area in which project location is situated)*				☐ Yes	☐ No
Name of local roads board	Address	Phone	Secretary-treasurer's Name	Secretary-treasurer's Phone/Fax	E-Mail Address
Board Area *(include each board area in which project location is situated)*				☐ Yes	☐ No
Name of Local Service Board	Address	Phone	Secretary's name	Secretary's Phone/Fax	E-Mail Address

Section 5: Consultation Requirement

5.1 - Project Location

Provide comment on the project location with respect to infrastructure and servicing.

Project is located off of Byker Road via the County road network. Byker Road is a shared roadway with South Dundas Township. It is not well travelled, but some limited ditching is in place for storm water runoff.

5.2 – Project Roads

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

Local roads have not been constructed to accommodate commercial/industrial traffic. A new entrance will be required to access the turbine site. Prowind has committed to work with South Dundas Township and Edwardsburgh/Cardinal Township to establish access routes pre-/during/post-construction periods. A pre-condition road survey will be required. A security deposit, to be held by South Dundas Township, will be required.

Identify any issues and provide recommendations with respect to road access

The proponent will require municipal road entrance permit in accordance with Township commercial entrance standards. The applicant can make use of a temporary widening at the entrance in order to accommodate the oversized traffic which is expected into the site. Following construction, the widening will have to be removed and site restored to the satisfaction of the Township. The Township Manager of Public Works shall determine appropriate construction activity periods especially during typical half-load season.

Provide comment on any proposed Traffic Management Plans

It is understood there will be increased traffic during the construction period. The proponent/constructor will be responsible to erect signage in accordance with the Ontario Traffic Manual. There may be issues with respect to the sightlines/sight triangles at the proposed site entrance. Byker Road is an open but seasonally maintained road and may not be able to accommodate construction traffic in its current state. Any improvements to the road are at the proponent's sole cost.

Identify any issues and provide recommendations with respect to the proposed Traffic Management Plans

Final Traffic Management Plan to be submitted for municipal review.

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.

The proponent shall ensure that adequate erosion and sediment control measures are in place which limit potential erosion and runoff. Municipal road ditches shall be protected.

Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads.

All municipal infrastructure disturbed will be reinstated to as good or better than existing to the satisfaction of the Township.

5.4 – Facility Other

Identify any issues and recommendations with respect to the proposed landscaping design for the facility

No comment.

Provide comment on the proposed project plans for emergency management procedures / safety protocols.

Fire response to be discussed with local fire authority.

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

Turbine #1 is in close proximity to Byker Road which is currently an open road maintained seasonally. The Ice Throw Report prepared by the proponent's consultant identifies that once a turbine manufacturer is selected details of icing protocol for that specific turbine can be provided. The municipality is not prepared to accept any risk of ice throw onto the municipal roadway or right of way.

Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location

All easements to be registered at Land Registry Office No. 15. Electronic GIS layer to be submitted depicting easements, turbine location, access road. All buried cabling, etc. to be field marked with signage indicating "buried cable" on all municipal infrastructure. Civic number assigned by the municipality will be required at turbine entrance at the proponent's expense.

5.5 Project Construction

Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal or local authority infrastructure that could be damaged during construction.

The proponent/constructor and the two municipalities having jurisdiction will jointly document the condition of the Byker Road infrastructure prior to commencement of the construction. The proponent/constructor shall be responsible to repair any damages caused by equipment ingress/egress. Specifications on cable burial depth, etc., forthcoming from proponent. Byker Road is a shared roadway with South Dundas Township and any security deposit required against damages will be held by South Dundas Township.

Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing drainage, water works and sanitary sewers

The municipalities and the proponent/constructor will jointly document the condition of existing roadside ditches and Municipal Drains. The proponent/contractor shall be responsible to repair or clean ditches/culverts in case of increased sedimentation, etc.

Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults

All private utilities located within the municipal right-of-way will require municipal consent and approval. Any buried cabling within the municipal right-of-way must be registered with Ontario One Call.

Identify any issues and recommendations with respect to the proposed location of existing and proposed gas and electricity lines and connections
Municipal setback clearance permits will be required and proponent/constructor must meet all applicable laws. Buried cabling must be registered with Ontario One Call. Easements must be registered on title where utilities cross municipal property, including roadways.
Provide comment on the proposed project plans with respect to Building Code permits and licenses.
Permit fees will be charged as per applicable law, including but not limited to the Building Code Act, the Green Energy Act and local by-laws.
Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.
South Dundas Township has jurisdiction over a number of municipal drains located within the project area.
Identify any issues and recommendations related to the identification any archaeological resource or heritage resource.
None noted.

Ontario

Ministry of the Environment

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

Ce formulaire est disponible en français

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

Section 1 - Project Description

1.1 - Renewable Energy Project

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

South Branch Wind Farm

Project Location

Same as Applicant Physical Address? ☐ Yes ☒ No (If no, please provide site address information below)

Civic Address- Street information *(includes street number, name, type and direction)*	Unit Identifier *(i.e. apartment number)*
See Draft Project Description Report, Table 4	

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

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

Lot	Conc.

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

Part	Reference Plan

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

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

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

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

See Draft Project Description Report, Section 4.4 for overview. For a more detailed description of each phase, see Draft Construction Plan Report, Draft Design and Operations Report, and Draft Decommissioning Plan Report respectively.

1.2 - Environmental Context

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

See Draft Natural Heritage Assessment Report and Draft Water Assessment Report for effects on those environmental components or see the Draft Construction Plan Report, Draft Design and Operations Report and Draft Decommissioning Plan Report for effects related to the relevant project phase.

Propose early avoidance/prevention/mitigation concepts and measures.

See above.

1.3 - Renewable Energy Generation Facility

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

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

Name Plate Capacity	Expected Generation	Service Area	Total Area of Site *(hectares)*
30 MW	30 MW	Ontario (Morrisburg TS)	1881

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.

The South Branch Wind Farm will use up to 15 wind turbine generators to convert the kinetic energy of the wind into electrical energy, which will be connected to the local Hydro One distribution grid. A final turbine model has not been selected, but each wind turbine will be a maximum of 3 MW, 140 m hub height, 116 m rotor diameter. There is a possibility that a subset of the 15 turbines will be used if a turbine with a name plate capacity greater than 2.0 MW is chosen.

1.4 – Renewable Energy Generation Activities

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

See Draft Project Description Report, Section 4.4

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	South Branch Wind Farm Draft Project Description Report	2011/01/04
DRAFT Design and Operations Report	South Branch Wind Farm Draft Design and Operations Report	2011/01/04
DRAFT Construction Plan Report	South Branch Wind Farm Draft Construction Plan Report	2011/01/04
DRAFT Decommissioning Plan Report	South Branch Wind Farm Draft Decommissioning Report	2011/01/04
List of other Documents	South Branch Wind Farm Draft Natural Heritage Assessment Report	2011/01/04
	South Branch Wind Farm Draft Water Assessment Report	2011/01/04
	South Branch Wind Farm Draft Archaeological and Heritage Resources Assessment Report	TBD
	South Branch Wind Farm Draft Turbine Specifications Report	2011/01/04
	South Branch Wind Farm Draft Abutting Property Assessment Report	2011/01/04

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

Reports are not yet available for public inspection, but when ready, will be available online at www.prowind.ca. Hard copies will be available at Township of South Dundas Municipal Office, Township of Edwardsburgh/Cardinal Municipal Office and SD&G County Library Iroquois Branch.

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
South Branch Windfarm Inc.	80666 8018 RC0001

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

Civic Address- Street information *(includes street number, name, type and direction)*	Unit Identifier *(i.e. apartment number)*
210 Prescott St., PO Box 1678	Suite 3

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

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

Lot	Conc.

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

Part	Reference Plan

Municipality	County/District	Province/State	Country	Postal Code
Kemptville	North Grenville	Ontario	Canada	K0G 1J0

SOUTH BRANCH WIND FARM
email to cweston@prowind.ca

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

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

Local Municipality *(include each local municipality in which project location is situated)*				☐ Yes	☐ No
Name of Municipality	Address	Phone	Clerk's Name	Clerk's Phone/Fax	E-Mail Address
Upper Tier Municipality *(include each upper tier municipality in which project location is situated)*				☑ Yes	☐ No
Name of Municipality	Address	Phone	Clerk's name	Clerk's Phone/Fax	E-Mail Address
UNITED COUNTIES OF LEEDS & GRENVILLE	25 CENTRAL AVE. W. SUITE 100 BROCKVILLE ON K6V4N6	6133423840	LESLEY TODD	P. ext. 2304 F. 6133422101	lesley.todd@uclg.on.ca
Local roads area *(include each local roads area in which project location is situated)*				☐ Yes	☐ No
Name of local roads board	Address	Phone	Secretary-treasurer's Name	Secretary-treasurer's Phone/Fax	E-Mail Address
Board Area *(include each board area in which project location is situated)*				☐ Yes	☐ No
Name of Local Service Board	Address	Phone	Secretary's name	Secretary's Phone/Fax	E-Mail Address

Section 5: Consultation Requirement

5.1 - Project Location

Provide comment on the project location with respect to infrastructure and servicing.

N/A

5.2 – Project Roads

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

NO CONCERNS.

Identify any issues and provide recommendations with respect to road access

N/A

Provide comment on any proposed Traffic Management Plans

N/A

Identify any issues and provide recommendations with respect to the proposed Traffic Management Plans

N/A

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
N/A
Provide comment on the proposed project plans for emergency management procedures / safety protocols.
N/A
Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.
N/A
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.
N/A
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
N/A

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

South Branch Wind Farm **Township of Edwardsburgh/Cardinal, United Counties of Leeds and Grenville**						
Contact Name	**Agency**	**Method**	**Date** (dd/mm/yy)	**Message**	**Message Sender**	**Attachments**
Mayor Dishaw	TEC	Email	06/07/10	Hello Mr. Dishaw, As you may be aware, the Ontario Power Authority recently issued Feed-In Teriff (FIT) contracts for renewable energy across the province. Prowind was awarded a 30 MW contract for our proposed South Branch Wind Farm. This is a relatively small wind farm of 10-15 turbines and one of the properties signed to the project is located within Edwardsburgh-Cardinal. This property is north-west of the intersection between Byker Rd and Pitt Rd, on the boundary with South Dundas. The award of the FIT contract means that we will be ramping up development efforts and as a first step we'd like to sit down and meet with you to discuss the project and answer any questions you have. We've held off contacting your councillors and planning staff as we wanted to inform you before doing so, but we welcome a meeting with anyone you see fit. Our staff are available from the 15-17th next week and we are generally flexible on scheduling for any other time. Please advise on a suitable time and location and we'll work around it. Best Regards, Juan	Juan Anderson	
Mayor Dishaw	TEC	Email	06/07/10	Hi Juan: Thank you for the information & we indeed need to meet, but unfortunately I leave for a trade mission to China tomorrow June 8th & am away until June 23rd. I have copied my CAO at the Township office so please feel free to contact him for immediate attention if required. Thanks Mayor Dishaw		
Mayor Dishaw	TEC	Email	06/07/10	Thanks Mayor Dishaw, I appreciate the prompt response and good luck in China. Is there a time that would suit you well once you return? We'd be happy to meet with Russell while you are away also. Perhaps he and I should continue dialogue on the matter. As mentioned, we have 1 property signed up in Edwardsburgh-Cardinal and we are realistically considering 1 turbine within your municipal boundary with no plans for expansion. Best regards, Juan	Juan Anderson	
Russell Trivett	TEC	Email	06/10/10	Mr. Anderson I am available any day next week if you would like to meet or discuss your plans by phone. Russell Trivett		
Russell Trivett	TEC	Email	06/10/10	Hi Russell, Does June 16th at 1 PM suit you well for a meeting? Some of the topics we'd typically propose for an initial discussion are: · Background on Prowind · Wind energy in general · The new approval process under the Green Energy Act and Prowind's proposed approach · General project update and status · Emergency response resources and typical approach at wind farms · New building permits near the project · General discussion of water crossings, road entrances, etc Let me know if this works for you. Best Regards, Juan	Juan Anderson	
Russell Trivett	TEC	Email	06/11/10	June 16 is fine for me. The municipal office is 18 Centre Street in Spencerville. R. Trivett		
Russell Trivett	TEC	Email	06/21/10	Hi Russell, Good to meet with you last week. As we discussed, our environmental specialist Rochelle Rumney will be following up with you regarding significant natural and cultural features near our project. I've cc'd her on this email. I'd also like to follow up on lot data. As mentioned we are seeking this information to identify locations where a potential future residence could be built so that we can ensure noise regulations are met. We are required to do this for a 2 km radius around our project. Is there a contact in your office I can get this from? Best Regards, Juan		
Russell Trivett	TEC	Email	06/21/10	Hi Juan Please contact Debra Mckinstry. Clerk/ Planning Administrator, and she will be able to assist. Russell Trivett		

Contact Name	Agency	Method	Date (dd/mm/yy)	Message	Message Sender	Attachments
Debra McKinstry	TEC	Email	06/24/10	Hi Debra, As per the message below, would it be possible to have a shape file sent to us with the parcel data for an area about 2 km around our project lands? I've attached a shape file showing what parcels have signed with us, there is one in Edwardsburgh-Cardinal. Please let me know if you have any questions, Juan		
Debra McKinstry	TEC	Email	06/25/10	Hi Juan - Our parcel mapping is provided to us by the GIS department of the United Counties of Leeds & Grenville. I am unable to provide shape files. I will forward your message to the GIS Coordinator at the Counties with a request to provide you the information; however, there may be a need for you to enter into a data sharing agreement. Debra McKinstry		
Debra McKinstry	TEC	Email	07/07/10	Hi Debra, Would you be able to provide me with the details for your contact at the County? She called me with a request but did not leave her email address. Best Regards, Juan		
Debra McKinstry	TEC	Email	07/07/10	Hi Juan - Karen Fraser is the GIS coordinator at the Counties - you can reach her at karen.fraser@uclg.on.ca Thanks, Deb		
Debra McKinstry, Brenda Ball, Mayor Sloan, Joe Scott, Charles Burrell, Gerry Morell, Pat Sayeau, J Hunter	TEC	Email	01/04/11	Prowind has put together a first draft of the South Branch Wind Farm Renewable Energy Approval (REA) for your review. We are giving this you in advance of the public so any major concerns can be addressed beforehand. I have attached an introductory letter to this email. We have decided to only provide an electronic copy of the REA at this stage of review, but if you'd like a hard copy, we can provide one. The REA can be found on our FTP server and can is accessible with the below information. We also plan to circulate the REA to Township of South Dundas staff and council, United Counties of Stormont, Dundas and Glengarry staff, United Counties of Leeds and Grenville staff, and Township of Edwardsburgh/Cardinal staff. If you have any questions or have trouble accessing the REA on the FTP server, please let me know. I hope you had a great holiday. Welcome back! Take care, Rochelle Rumney		
Debra McKinstry	TEC	Email	02/02/11	Good afternoon Rochelle – I have been attempting to review your materials through the FTP site, but am finding it quite difficult to navigate my way around. I'm afraid I will need a hard copy in order to properly provide comments. Please forward it to my attention: Debra McKinstry, Clerk/Planning Administrator Township of Edwardsburgh/Cardinal PO Box 129, 18 Centre Street Spencerville, Ontario K0E 1X0 Thank you!		
Debra McKinstry	TEC	Email	02/14/11	Hi Debra, I was just writing to see how your review of the South Branch REA is coming along. The hard copy of the reports found their way to you, did they? I also wanted to let you know that I will be in the area Feb 28-Mar 2 and wondered if you were interested in meeting with us (Cathy Weston and myself) to discuss your review so far and address any questions or concerns. Even if you there isn't much to discuss regarding the REA review at this point, it'd be nice to meet with you to discuss timelines and just say hi. If you have the time and think it's worth while at this point, let me know and we'll set something up. We can always set up a meeting at a later date if you think that would be better. Thanks! Rochelle		
Debra McKinstry	TEC	Email	02/14/11	Hi Rochelle – I did receive the hard copy last week, but haven't had a chance to look at it yet. Currently I am available Feb 28 or Mar 2 or the afternoon of Mar 1, and I'd be glad to meet you. Thanks, Deb McKinstry		

Contact Name	Agency	Method	Date (dd/mm/yy)	Message	Message Sender	Attachments
Debra McKinstry	TEC	Email	02/18/11	Hi Deb, Thanks for getting back to me. Any time on the 28th, or the afternoon of the 1st or 2nd will work. Let me know if you have any preference, or maybe we'll see if anyone else will want to join us and if they have time restrictions. I'd like to meet with some contacts at the County and was thinking we could invite them to this meeting, because I imagine concerns and questions will be similar. I've sent an email to Leslie Todd and Sandy Hay, but haven't heard back. I'll follow up with them, but I did want to make sure that was ok with you though. I'd also like to meet Mayor Sloan, do you think he would be interesting in attending? I can email/call him, I just wanted to run it by you first. I'd like to keep everyone up to date on the project and it makes sense to me to have everyone at the same meeting, but let me know what you think. Thanks very much, Rochelle		
Debra McKinstry	TEC	Email	02/22/11	Hi Rochelle – the FTP link you sent was password protected; I would like your permission before I provide it to Mr. Albers. Deb McKinstry From: Teri Brown [mailto:tbrown@twpec.ca] Sent: Friday, February 18, 2011 2:39 PM To: debbie mckinstry Subject: Pro Wind Deb I received a call from Bruce Albers. Can you send him a link to the Pro Wind document. (balbers26@gmail.com) Thanks Teri		
Debra McKinstry	TEC	Email	02/22/11	Hi Rochelle I'd be glad to have County staff here – Afternoon of the 28th or the 2nd would be preferable for me. Unfortunately Mayor Sloan is at a conference in Toronto at that time, so will not be able to attend. Let me know when you hear from the County staff which day is their preference. Our CAO Michael Wildman may sit in as well. Deb		
Debra McKinstry	TEC	Email	02/22/11	Hi Deb, Thanks for running this by me. Is Mr. Albers a local resident? At this time the REA is only available to commenting agencies. We want to get preliminary feedback and make any critical changes to the document before we make it publicly available. We plan to do this in the spring sometime, hopefully the end of April. When it is available publicly it will be posted on our website at www.prowind.ca/?page=projects-south-branch. Thanks again, Rochelle		
Debra McKinstry	TEC	Email	02/22/11	Hi Rochelle – yes, Mr. Albers is a resident of the Township. I'll provide your information to him. Thanks, Deb		
Bruce Albers	TEC	Email	02/22/11	Good morning Bruce, I understand from Teri Brown that you were looking for a link to the Prowind draft REA. Please be advised of the following information I have received from Prowind: "At this time the REA is only available to commenting agencies. We want to get preliminary feedback and make any critical changes to the document before we make it publicly available. We plan to do this in the spring sometime, hopefully the end of April. When it is available publicly it will be posted on our website at www.prowind.ca/?page=projects-south-branch <http://www.prowind.ca/?page=projects-south-branch> ." If you need further clarification, please contact Prowind directly. Thanks, Debra McKinstry Clerk/Planning Administrator Township of Edwardsburgh/Cardinal	Debra McKinstry	
Debra McKinstry	TEC	Email	02/24/11	Hi Deb, I haven't been able to get a hold of Sandy Hay at the County, so we'll just carry on without him. Will a meeting on February 28th at 1 pm at your office work? If there is something more preferable, let me know, I just picked that as a starting point. See you next week, Rochelle		
Debra McKinstry	TEC	Email	02/24/11	Hi Rochelle Feb 28 at 1:00 works for Michael and I. See you then.Deb		

Contact Name	Agency	Method	Date (dd/mm/yy)	Message	Message Sender	Attachments
Leslie Shepherd, Lesley Todd, Sandy Hay	UCLG	Email	08/15/11	Hello Leslie, Lesley and Sandy, I was just writing to see how your review of the South Branch REA is coming along. We sent the reports over to you (via ftp) in early January and I just wanted to check in. I also wanted to let you know that I will be in the area Feb 28-Mar 2 and wondered if you were interested in meeting with us (Cathy Weston and myself) to discuss your review so far and address any questions or concerns. Even if there isn't much to discuss regarding the REA review at this point, it'd be nice to meet with you to discuss timelines, etc. If you have the time and think it's worth while at this point, let me know and we'll set something up. We can always set up a meeting at a later date if you think that would be better. Thanks, Rochelle	Rochelle Rumney	
Leslie Shepherd, Lesley Todd, Sandy Hay	UCLG	Email		Hello Sandy, Lesley and Leslie, I hope the summer is treating you well. As you've seen, we have recently released an updated version of the REA for South Branch Wind Farm on our website. I wanted to provide a summary of the revised changes to the REA since the initial draft was provided in January of this year. At a high level, there are only a few major impacts to the project design since our last discussion – these include the removal of Turbine 14 (just north-west of the centre of Brinston) some modified cabling and access road routes near Turbines 9 and 15, and expansion of several aspects of the environmental field surveys throughout the project area. There were no changes to the design or layout around Turbine 1 – you'll recall that this is the only infrastructure located within Edwardsburgh/Cardinal, L&G. At this time, it is still not certain whether Turbine 1 will eventually be built, or whether we will use a subset of the 14 planned turbine locations that excludes Turbine 1; however, we want to move ahead with permitting this turbine location and the use of Byker Road as an access route to turbines 1 to 4. For these reasons, it is important that we collect your feedback for inclusion in the final REA submission. Our plan is to submit the full REA package to the MOE shortly after our final open house, scheduled for Sept 29th. This date will creep up on us quickly, and I wanted to make sure that you have had opportunity to review the revised REA and to consider any additional feedback you wanted to provide. I have also sent a similar request through to Township staff but understand if you feel it is best to coordinate a response on behalf of both Township and County offices, or conversely if it's best for the township to provide a coordinated response. We kindly request that you complete the attached Municipal Consultation Form before Sept 15th so that we are able to incorporate any necessary updates to the package before submission. If you would rather I send this request directly through to Township Council, please let me know. Please let me know if there is additional detail I can provide that would be helpful, either by email or in-person. Thank you in advance, Cathy		South Branch Wind Farm Municipal Consultation Form.pdf, South_branch_basicLayout_2011_06-13.pdf
Debra McKinstry, Michael Wildman	TEC	Email	10/25/11	Hi Michael, I hope your week of night meetings went well. As per our conversation and my follow-up message we've made an update to some wording in our Renewable Energy Approval package with respect to Ice Accumulation and Discharge (Section 3.6 of the Design and Operation Report). The updated section is below. If you have additional feedback on this change we would be happy to discuss further. Best regards, Juan		
Debra McKinstry, Michael Wildman	TEC	Email	10/25/11	Juan I think it is appropriate to repeat what I mentioned to you during our telephone discussion. The Township is very concerned with potential risks generated by throw into our roadway. Furthermore just because the road is currently not maintained in the winter does not mean that it will always be the case and it further does not mean that the road will not be used. The mitigation measures suggested are not desirable as they will restrict and limit our future ability to utilize the road. I cannot see the Township agreeing to the mitigation measures proposed. Michael Wildman		
Debra McKinstry, Michael Wildman	TEC	Email	10/31/11	Hi Michael, Hope you had a good weekend. I've been trying to reach you by phone over the past week but haven't had any luck. Is there a time this week that works for a call? We'd like to update the ice throw mitigation to reflect something that is agreeable on your side. Best regards, Juan		

Contact Name	Agency	Method	Date (dd/mm/yy)	Message	Message Sender	Attachments
Debra McKinstry, Michael Wildman	TEC	Email	10/31/11	Juan I've essentially been in meetings or out of the office since we spoke briefly on Tuesday. If you do not reach me by Wednesday you can contact Debra. In terms of the Township's position, we are not interested in any measure which results a limitation, risk, restriction or otherwise which would impact our current or future plans for the municipal roadway. Any mitigation will have to totally eliminate the possibility of ice being cast onto our lands. As such, gates and signage are not acceptable options. Michael Wildman		
Debra McKinstry, Michael Wildman	TEC	Email	11/08/11	Hi Michael, In response to your feedback we have altered the section of the Design and Operations Report that deals with ice. We have added specific reference to the potential that the road may be upgraded in the future, dropped reference to signage and gating, strengthened the references to monitoring and prediction of atmospheric conditions, and added a preventative shutdown provision to fully mitigate residual risk when atmospheric conditions are conducive to ice accumulation (in the event that a turbine model that cannot prevent/detect ice build-up is selected). The updated section is below and we welcome any further feedback you may have. Best regards, Juan		
Debra McKinstry, Michael Wildman	TEC	Email	11/13/10	It is not clear to the Township how accurate these measures will be and whether they will eliminate the risk within our lands. Michael		
Debra McKinstry	TEC	Email	11/17/11	Hi Rochelle - Please see the attached letter from the municipality. Could you ensure that it is directed to the appropriate person(s) in your organization? Thank you, Debra McKinstry		Scan001.pdf [TEC letter 2011 11 17.pdf]
Debra McKinstry, Michael Wildman	TEC	Email	01/30/12	Hi Michael and Deb, Hope winter is treating you both well so far. In response to your concerns about ice throw/shedding from the proposed turbines near Byker Rd we have commissioned a specialized consultant to do a detailed analysis. The full report has been completed and is attached. The report was based on several conservative assumptions about the conditions along Byker Rd. A summary of the assumptions and results are below: · 1000 releases of 1 kg ice fragments per year per turbine · Traffic volume of 100 vehicles per day on the no-winter-maintenance section of Byker Rd - this was selected to account for potential future expansion of the road as we discussed · Road width of 8 m - this was also selected to account for future expansion of the no-winter-maintenance section of the road · Average vehicle speed of 15 m/s (54 km/h) With respect to the likelihood of an ice-to-vehicle impact the following probability is presented in the report: "the annual likelihood of an ice-vehicle impact is 0.0013, i.e., one impact every 785 years. In a similar manner, the annual likelihood of vehicle impact with the turbine stationary during any icing events reduces to 0.0010, or one impact every 985 years." The latter number corresponds to a stationary turbine when mitigation measures are enacted. We hope this satisfactorily addresses the risk from your perspective. Based on the full scope of the report we have updated the Ice Accumulation and Discharge section of the Design and Operation report. The updated text is copied below. We will be making the attached report available to the public later this week but wanted to give you an opportunity to view it in advance. If you have any questions or comments please feel to contact us as usual. Best regards, Juan		
Debra McKinstry, Michael Wildman	TEC	Email	02/01/12	Thank you for the statistics relating to a potential vehicle impact, but there is still potential for ice to be thrown onto our property, regardless of whether a vehicle impact occurs. Vehicle impact is but one of the potential risks. Damage to a multitude of elements (roadways, ditches, utilities, etc) within the roadway could occur, as could impacts with other modes of transportation. We do not see, where the Township should be required to assume this risk. We feel that it is up to the proponent to eliminate the risk. Michael		
Michael Wildman	TEC	Email	02/21/12	Hi Michael, Further to my voice mail of last week, I'd like a few minutes of your time to touch base on the South Branch project. In particular, I'd like to hear your feedback with respect to the municipal consultation form that Prowind would like to submit to the MOE as part of our REA work. You can reach me anytime on my cell: (416) 951-7238. Alternatively, if you provide a day and time I can call you. Thanks and best regards, Jeff		
Debra McKinstry, Michael Wildman	TEC	Email	02/25/12	Please contact Debra McKinstry who handles our Planning related matters at 613-658-3055.		

Meeting Notes

The Township of Edwardsburgh/Cardinal

Location: Municipal offices at 18 Centre Street, Spencerville, ON

Date & Time: June 16, 2010 @ 1pm

Attendees: Juan Anderson (Prowind), Bart Geleynse (Prowind), Russell Trivett (CAO, Township), Dan Belleau (Public Works, Township)

The meeting began with an overview of the 30MW South Branch wind project, and some general discussion about the FIT process.

A map showing Prowind's proposed 15-turbine layout was passed around and discussed.

- Potential transportation routes were considered, and it was suggested that the township would be very interested in any assistance or cooperation that might be of benefit regarding the use of the shipping port in Johnstown. Something to keep in mind, but no action required at this time.
- Byker road is a boundary road that is jointly owned by the Township of Edwardsburgh/Cardinal and the Township of South Dundas. Load limits may need to be considered. It is not maintained in the winter north of Pitt Road. No action required at this time.
- Provided sufficient notice was given to neighbours in the vicinity of any project infrastructure proposed in the township, a separate public meeting would not be deemed necessary by the township. Provided it would satisfy the requirements of the Ministry, a letter of confirmation from the township would be easily obtained. **Action: obtain confirmation from the Ministry that such a letter will suffice.**
- Map data should be available to us, and Mr. Trivett will pass on a contact name if we send a follow up email. **Action: Juan**
- Natural Heritage information can be made available to us. Rochelle will follow up, and they are expecting to hear from her. **Action: Rochelle**
- Mr. Trivett suggested that the Mayor, upon his return from China, would be interested in having us make a presentation to an upcoming Economic Development committee meeting. We will wait to hear from the Mayor. No action required at this time.

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P.O. Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 4, 2011

Township of Edwardsburgh/Cardinal
Clerk
18 Centre Street
PO Box 129
Spencerville, ON K0E 1X0

Attention: Debra McKinstry, Clerk/Planning Administrator
Reference: South Branch Wind Farm Draft REA Review

Dear Ms. McKinstry,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the review process.

Additionally, we have included a Municipal Consultation Form for your municipality to complete. Pages 1-3 have been completed by Prowind and pages 4-6 are to be completed by you. Please complete and return this to us at your earliest convenience.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 4, 2011

Township of Edwardsburgh/Cardinal
Mayor and Council
18 Centre Street
PO Box 129
Spencerville, ON K0E 1X0

Attention: Mayor Sloan and Council
Reference: South Branch Wind Farm Draft REA Review

Dear Mayor Sloan and Council,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed, this inlcudes Archaeology and Heritage Impact studies. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the review process.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719
rrumney@prowind.ca

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P.O. Box 1678
Kemptville, ON
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Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 4, 2011

United Counties of Leeds and Grenville
Works, Planning Services and Asset Management
25 Central Avenue West, Suite 100
Brockville, ON K6V 4N6

Attention: Sandy Hay, County Planner
Reference: South Branch Wind Farm Draft REA Review

Dear Mr. Hay,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed. This will be completed as soon as seasonally possible and provided to you at that time. Hopefully, this omission does not impact the majority of the review process.

Additionally, we have included a Municipal Consultation Form for your municipality to complete. Pages 1-3 have been completed by Prowind and pages 4-6 are to be completed by you. Please complete and return this to us at your earliest convenience.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719
rrumney@prowind.ca

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January 4, 2011

United Counties of Leeds and Grenville
Clerk
25 Central Avenue West, Suite 100
Brockville, ON K6V 4N6

Attention: Lesley Todd, Clerk
Reference: South Branch Wind Farm Draft REA Review

Dear Lesley Todd,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are available on an FTP server for you to download. Access details will follow. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines, each with a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed. This will be completed as soon as seasonally possible and provided to you at that time. Hopefully, this omission does not impact the majority of the review process.

Additionally, we have included a Municipal Consultation Form for your municipality to complete. Pages 1-3 have been completed by Prowind and pages 4-6 are to be completed by you. Please complete and return this to us at your earliest convenience.

We hope this letter and the accompanying reports provide you with sufficient information to assess our project and look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator

(905)745-4719

Meeting Notes

Township of Edwardsburgh/Cardinal

Date: February 28, 2011 at 1:00 pm
Where: Township of Edwardsburgh/Cardinal Municipal Office
In Attendance: Debra McKinstry – Clerk/Planning Administrator, Michael Wildman – CAO, Cathy Weston, Rochelle Rumney

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Township of Edwardsburgh/Cardinal (TEC) has hard copy of REA but has not reviewed all of it.

They are aware that only one turbine and associated road and cabling is within their municipal bounds.

They are aware they are required to complete the Municipal Consultation Form.

Biggest concern at this time is Byker Rd.

- Road will have to be upgraded to accommodate heavy loads and increased traffic
  - Prowind will cover costs of this upgrade
- Confirm maintenance responsibility with Township of South Dundas
- Road will have to be maintained year round

Entrance permit will be required for access road to turbine on TEC lands

They would like to be told when Prowind knows for sure that this turbine will be built, based on turbine model selection.

A shared maintenance agreement will have to be drawn up between TEC and South Dundas (SD) and won't be started until it is certain that it is necessary.

Updated Telecom report was provided to TEC.

Comments in response include:

- Brockville emergency services deals with telecom in this area
- Steve Seale (?) is the County contact for EMS communications
- There will be a change in 3-5 years to digital communications

Ms. McKinstry inquired about Bruce Albers; he had contacted TEC earlier in the month for copies of the REA. Ms. McKinstry told him the draft was not yet public and to contact Prowind directly for further information. She said he is well respected in the community and has come before Council on several occasions for different reasons.

Action Items:

Prowind will let TEC know of any ideas for maintenance sharing raised by SD from meeting next week.

Prowind will update TEC on project progress turbine model selection, when available.

Prowind will contact the two groups (Brockville and County) regarding telecom.

TEC will complete Consultation Form and return to Prowind.

Meeting Notes

Township of Edwardsburgh/Cardinal

Date: August 24, 2011 at 1:30 pm

Where: Township of Edwardsburgh/Cardinal Municipal Office

In Attendance: Debra McKinstry – Clerk/Planning Administrator, Michael Wildman – CAO, Cathy Weston, Juan Anderson

---

1. Prowind provided an update on the changes to the project scope since it was last discussed in February. Generally, there are no changes to the Township of Edwardsburgh/Cardinal (TEC) portion of the project except that further field studies have been completed (Ecological Land Classification / Wildlife Habitat Surveys and Wetland surveys).

2. No findings suggested detrimental impacts to the surrounding environment. There are a couple of species at risk found in the vicinity of the project that we will address with MNR. Butternut trees are present on the landscape in small number, but will not be impacted by project activities.

3. The REA will be submitted as early as possible and will include a turbine positioned within TEC / LG, even if it is ultimately not constructed (turbine make/model is yet to be determined). It is possible that T1 will be omitted from final design, but at this time we must plan for it to be present to ensure the REA is complete.

4. Feedback from TEC is consistent to what was provided in February – their biggest concern is roadway usage and mitigation of damages. Roads of particular concern include Byker Rd and Pitt Road (if used).

5. Prowind noted that transportation routes will not be determined until the EPC, turbine mfg and shipping company are selected – they will manage the transportation route and ensure permits are secured prior to construction.

6. TEC is going to coordinate a Municipal Consultation Form response with the Township of South Dundas. Summer vacation schedules have slowed this process, but Debra will follow up with Hugh Garlough and Don Lewis next week when both are back in the office.

7. TEC was aware of the planned final open house meeting in Dixon's Corners scheduled for Sept 29, 2011. Prowind asked whether a second final open house within TEC would be deemed useful, or necessary given that Spencerville is the closest feasible location for such a meeting and that it is further from the project area than the Dixon's Corners location. TEC will review internally before confirming whether they have a preference. Generally it was felt that a second final meeting in TEC would not be detrimental, and might best be done to ensure full compliance with the REA regulations. An initial open house meeting was not held in TEC for this project after consultation with the presiding Mayor Sloan in a 2010 discussion.

8. TEC confirmed that they cannot speak on behalf of the County offices and that Prowind will need to secure the Municipal Consultation Form from them directly. Debra confirmed the correct contacts at Leeds & Grenville.

Action Items:

1. TEC will work with TSD to prepare a coordinated Municipal Consultation Form. Cathy is available to assist with this if it would be at all useful.

2. Prowind will update TEC on project progress turbine model selection, when available.

3. Prowind will follow up with UCLG directly for county feedback on the project.

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Hamilton, ON L8R 2L3
Phone: 905.258.1747
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Email: info@prowind.ca
Web: www.prowind.ca

Township of Edwardsburgh/Cardinal
18 Centre Street, P.O. Box 129
Spencerville, Ontario
K0E 1X0

November 8, 2011

Attn: Debra McKinstry, Clerk/Planning Administrator

Re: South Branch Wind Farm Draft Renewable Energy Approval Reports

Dear Ms. McKinstry,

We are pleased to present you with the updated South Branch Wind Farm Draft Renewable Energy Approval (REA) reports. These are identified as Draft Version 2.2 and dated November 4, 2011.

These reports include all feedback received to date from public, municipal, agency and First Nations stakeholders. Additionally, it includes approval letters from the Ministry of Natural Resources and the Ministry of Tourism and Culture.

These draft reports will be published for public review as of November 9, 2011. As such, we request that a hard copy of the reports (provided with this letter) is made available in your office, at the front desk for any resident of Edwardsburgh/Cardinal to review, if requested. These are public documents required to be made available to the community, so please do not let anyone remove the document from the office for personal use. The report can be copied or is available for download from our website at www.prowind.ca. If additional hard copies are requested by a community member, please ask them to contact our office.

To complement the above documents, Prowind Canada will host two Public Information Open Houses in the Township of Edwardsburgh/Cardinal. These meetings aim to get feedback from the community, answer questions and concerns, and present the information published in the reports. The dates and locations of these meetings can be found on the attached invitation. Please post this Notice of Public Meeting in your office for public viewing. I will also email a copy directly to you and additional staff at the Township of Edwardsburgh/Cardinal. This invitation will also be sent out the local community surrounding the project area and emailed to those on our mailing list.

Thank you for making your office available for public viewing of these reports. We appreciate your cooperation.

If you have any questions or concerns, please feel free to contact me at our office at 905 528 1747 or email me directly at rrumney@prowind.ca.

Kind regards,

Rochelle Rumney
Prowind Canada Inc.

Township of Edwardsburgh/Cardinal

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SPENCERVILLE, ONT.
K0E 1X0

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TOLL FREE: 866-848-9099
E-MAIL: mail@edwardsburghcardinal.ca

November 17, 2011

By Email to Ms. Rochelle Rumney

Prowind Canada Inc.
226 ½ James Street North, Unit A
Hamilton, ON
L8R 2L3

Dear Sir/Madam:

RE: PUBLIC OPEN HOUSES
TOWNSHIP OF EDWARDSBURGH/CARDINAL

Thank you for your recent correspondence advising municipal Council of the upcoming public open houses in the Township of Edwardsburgh/Cardinal on December 12, 2011 and January 11, 2012.

We note from your information that the meetings are an open house style. Municipal Council has recently heard a delegation from a resident of the Township who has expressed concern with respect to the South Branch Wind Farm. This resident requested that the municipality host a public meeting with respect to wind turbines in a format that would permit a question and answer period for attendees. Council has decided against hosting such a meeting, but respectfully requests that Prowind consider including a question and answer period in the open house meetings scheduled in Spencerville.

Please contact the undersigned if you require any additional information in this regard.

Yours truly,

Debra McKinstry
Clerk/Planning Administrator

APPENDIX H

AGENCY CONSULTATION

APPENDIX H: AGENCY CONSULTATION

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APPENDIX I

FIRST NATIONS CONSULTATION

APPENDIX I: First Nations Consultation

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Ministry of the Environment

Environmental Assessment and Approvals Branch

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

Ministère de l'Environnement

Direction des évaluations et des autorisations environnementales

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

Ontario

June 17, 2010

MOE File #: ER-10-WF-0003

Rochelle Rumney
Environmental Coordinator
Prowind Canada Inc.
210 Prescott Street, Suite 3
PO Box 1678
Kemptville, ON K0G 1J0

Dear Ms. Rumney:

RE: Director's Aboriginal Communities List – South Branch Wind Farm

The Ontario Ministry of Environment has reveiwed the information provided in the draft of the Project Description Report (PDR) received for the South Branch Wind Farm. 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:**
Alderville First Nation Mississaugas of Alderville Alderville First Nation PO Box 46 Roseneath ON K0K 2X0 Phone (905) 352-2011 Fax (905) 352-3242
The Algonquins of Ontario Consultation Office

31 Riverside Drive, Suite 101 Pembroke ON K8A 1N5
Mohawks of Akwesasne Iroquois of St. Regis Akwesasne (part) 59 PO Box 579 Cornwall ON K6H 5T3 Phone (613) 575-2250 Fax (613) 575-2181
Ottawa Regional Métis Council Robert Pellerin, President 1938 Ranchwood Way Ottawa ON K1C 7K7 Phone (613) 263-5059 pellerin12@hotmail.com
Métis Nation of Ontario Consultation Unit 500 Old St. Patrick St, Unit 3 Ottawa ON K1N 9G4

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

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

Sincerely,

Doris Dumais
Director
Environmental Assessment Approvals Branch
Ministry of Environment

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

First Nations Correspondence Log

South Branch Wind Farm

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
ESR	Henry Lickers	Mohawk Council of Akwesasne	Letter	14-May-08	see letter on file	Irene Powers		NOC South Branch	NOC South Branch
ESR	Chief Donnie Morris	Mohawk Council of Akwesasne	Letter	13-May-08	see letter on file	Irene Powers		NOC South Branch	NOC South Branch
ESR	Henry Lickers	Mohawk Council of Akwesasne	Email	21-May-08	She:kon (greetings) Ms. Powers, Henry Lickers has asked me to inform you that he is interested in receiving further information regarding these two projects. He would also like to be kept informed on project progress. Thank you, Peggy Pyke-Thompson Environmental Assessment Officer Mohawk Council of Akwesasne Department of Environment PO Box 579 Cornwall, Ontario K6H 5T3	Peggy Pyke-Thompson	Irene Powers	Env screening for South Branch Wind Farm and Brinston Wind Farm	none
ESR	Henry Lickers	Mohawk Council of Akwesasne	email	21-May-08	She:kon Peggy and Henry, Thank you very much for your quick response to the letter sent by Prowind inviting you to participate in the environmental screening for the Brinston and South Branch Wind Farm proposals. I'd like to take a moment to introduce myself and M.K. Ince and Associates (MKI) to you. MKI is conducting the environmental assessment for both projects. Both projects are planned for agricultural lands and are expected to have minimal environmental impacts, however assessments will be conducted on local and migratory bird and bat populations, archaeological resources, ambient sound levels, landscape, and a socio-economic factors. During the environmental assessment process, an open house will be held at a location near the proposed wind farms. When this event is scheduled we will gladly send an invitation to you. In the meantime, if you have any specific questions about the project or the environmental studies that are being conducted, please feel free to call me at the number below or send me an e-mail. We also welcome any information that you might have about the area or any concerns that you would like to see addressed through the environmental assessment process. If at any time you would like to meet with MKI or Prowind, we would be happy to do so. I look forward to working with you over the coming months. Cheers, Jacinta.	Jacinta mcNairn (MKI)		Env screening for South Branch Wind Farm and Brinston Wind Farm	none
ESR	Kirby Whiteduck, Chief	Algonquins of Pikwakanagan	Letter	16-Oct-08	see letter on file	MKI - Caitlyn		Notice of Commencement	NOC
ESR	Timothy Thompson, Grand Chief	Mohawks of Akwesasne	Letter	25-Nov-08	2008-11-24_Prowind FN Mohawks Council of Akwesasne.doc	Bart Geleynse		Wind Farm Development in your area	project maps (eastern ontario sites)
ESR	Kirby Whiteduck, Chief	Algonquins of Pikwakanagan	Letter	25-Nov-08	2008-11-24_Prowind FN Algonquins of Piwakanagan.doc	Bart Geleynse		Wind Farm Development in your area	project maps (eastern ontario sites)

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
Open House	Timothy Thompson, Grand Chief	Mohawks of Akwesasne	Letter	05-Jan-09	2009-01-05_Brinston_SB_Boundary_public meeting invite.pdf	Cathy Weston		Public Meeting	notice of meeting
Open House	Kirby Whiteduck, Chief	Algonquins of Pikwakanagan	Letter	05-Jan-09	2009-01-05_Brinston_SB_Boundary_public meeting invite.pdf	Cathy Weston		Public Meeting	notice of meeting
ESR	Gerry Lavalley	Algonquins of Pikwakanagan	phone	January-09	repeated calls to schedule in-person meeting	Patti Wijsman		information meeting	
ESR	Charmaine Caldwell	Mohawk Council of Akwesasne	phone	January-09	scheduling in-person meeting	Patti Wijsman		information meeting	
ESR	Gerry Lavalley	Algonquins of Pikwakanagan	email	12-Feb-09	Hello Gerry Thank you for returning my call today. I have attached the maps indicating the proposed wind farm projects that you have requested. Once you have an opportunity to determine whether any of these lands are within your land claims, I look forward to hearing from you so that we can arrange a meeting time if needed.	Patti Wijsman		information meeting	NOC for 5 projects
ESR	Charmaine Caldwell	Mohawk Council of Akwesasne	meeting	04-Mar-09	see meeting notes on file -2009-03-04				
ESR	Charmaine Caldwell	Mohawk Council of Akwesasne	email	04-Mar-09	Charmaine, Thank you again for taking the time to coordinate today's meeting. I found the information that you provided to be both interesting and very helpful. I will send you my summary of the meeting for your confirmation of its accuracy, along with the documents that were mentioned. Unfortunately I did not record the names of all those who attended today's meeting. If you could provide the names of the others, and perhaps brief details about their roles, I would be very grateful. I will have the promised items to you before the end of next week. Thank you again for taking time to meet with me today. Warm regards, Cathy	Cathy Weston		Prowind Canada - Project Information Meeting	
ESR	Charmaine Caldwell	Mohawk Council of Akwesasne	email	05-Mar-09	Hi Cathy, The other's in attendance were; Elizabeth Nanticoke- Acting Director – Environment Department, Richard David - Assistant Director- Environment Department, Brian David- Energy Consultant(I don't know what title he has now, he was previously our lead negotiator with Ontario Power Generation claim and also member of the our Alternative Energy Project team when he worked for Mohawk Council, he has since retired). Thanks. Charmaine Caldwell Industrial Commercial Officer Department of Economic Development Mohawk Council of Akwesasne (613)936-1548 ext.1052 (613)938-6760 fax	Charmaine Caldwell		Follow up to meeting on March 3rd	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
ESR	Charmaine Caldwell	Mohawk Council of Akwesasne	email	07-Mar-09	Hello, Thank you again for taking the time to meet with me earlier this week and for allowing me to provide some detail on our company and our current set of active projects in Eastern Ontario. As promised, I've attached several documents for your reference. These are: 1 – Akwesasne Trip Report – providing a summary of our conversation on Tuesday 2 – Project area map 3 – Project status snapshot report 4 – Prowind Canada - First Nations Bursary – Details on our new bursary We welcome your feedback on any of these documents and hope that they provide enough detail for your purposes. If you have any questions or comments, please do not hesitate to contact me. Kind regards, Cathy	Cathy Weston		Follow up to meeting on March 3rd	PCI_Akwesasne_FN Trip Report_20090303.doc EasternOntarioAreaMap_20090303.jpg EasternOntario_ProjectSummary_20090209.pdf PCI_BursaryDocument_20090303.doc
ESR	Charmaine Caldwell	Mohawk Council of Akwesasne	email	07-Mar-09	Hi Charmaine, Here are the documents for your review. Please let me know if you have any comments, or need more detail. Regards, Cathy	Cathy Weston		Follow up to meeting on March 3rd	trip report, project summary, Bursary summary, area map
ESR	Charmaine Caldwell	Mohawk Council of Akwesasne	email	11-Mar-09	Hi Charmaine, I got a failed email notification when trying to send you the summary documents from last week. Can you please confirm whether you were able to receive some or all of these documents? I'll resend those that you have not already collected. The original email is attached below. Documents: 1 – Akwesasne Trip Report – providing a summary of our conversation on Tuesday 2 – Project area map 3 – Project status snapshot report 4 – Prowind Canada - First Nations Bursary – Details on our new bursary Thank you in advance, Cathy	Cathy Weston		Follow up to meeting on March 3rd	
ESR	Charmaine Caldwell	Mohawk Council of Akwesasne	email	11-Mar-09	Hi Cathy, Our server was down on Thursday and Friday and I have not received any of the documents listed. Please resend. Thanks. Charmaine Caldwell	Charmaine Caldwell		Follow up to meeting on March 3rd	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
ESR	Gerry Lavalley	Algonquins of Pikwakanagan	email	20-Mar-09	Hello Gerry, Perhaps there is a bit of a misunderstanding as to what the purpose of our visit. We are simply looking for an opportunity to talk to you about the specific projects that we are proposing. Which project is it that you are thinking would be within the boundaries of Sharbot Lake? Do the land claims go as far as Carleton Place? Cathy(our representative) is willing to meet with you and other interested council members/staff at your office to give you an overview of our proposed projects. If you are looking for more in depth information regarding wind energy for the AE committee, we would suggest that you contact the Canadian Wind Energy Association (CANWEA). They would be in a better position to explain the details of government incentives and programs that are available. I look forward to hearing back from you so that we can arrange a time that is suitable for you. Kind Regards	Patti Wijsman		meeting arrangements	
ESR	Gerry Lavalley	Algonquins of Pikwakanagan	phone	05-Jun-09	left voice mail requesting call back	Cathy Weston		information meeting	
ESR	Ken McWaters	MNR - Pembroke	phone	05-Jun-09	called requesting advice on how to contact Algonquin group, left message	Cathy Weston		information meeting	
ESR	Ken McWaters	MNR - Pembroke	phone	06-Jun-09	I spoke with Ken McWaters today. Ken works for the MNR in Pembroke and is responsible for assessing and providing final MNR 'approval' for the Algonquin First Nations consultation (this spans the entire Ottawa River watershed, and appears to encompass lands for Marlborough, Beckwith, Castor River, Kerr's Ridge, and likely Brinston/South Branch and Boundary. He said that the Ministry is ultimately responsible for the consultation process with the FN groups, but that each of the affected groups should be provided an opportunity to talk directly with the developer without MNR presence. He suggested that this was so that the FN group could talk about monetary remuneration without the government being present. He did not want me to send him any materials at this time, as he would expect to get these directly from the MNR Energy group and from his contacts in the FN Community. With the information provided via the ESR to the MNR, they'll ask the affected FN groups for their perspectives on the project(s). If more consultation between the developer is deemed necessary, they will recommend a course of action. Ken knew of Gerry Lavalley, who is the Chair of the Energy Committee for the Algonquins of Pikwàkanagàn, but suggested that a better contact would be to speak with their consultant agency – JP2G Consultants, who have been contracted to manage the consultation and communication process. He provided the following contact information for them: JP2G Consultants 12 International Drive Pembroke, Ontario K8A 6W5 Jim Hunton 613-735-2507 x122 jhunton@jp2g.com According to Ken, Jim will know the right people to gather together for a meeting and will help to	Cathy Weston		information meeting	
ESR	Jim Hunton	JP2G Consultants	phone	06-Jun-09	left voice mail requesting call back	Cathy Weston		information meeting	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
ESR	Jim Hunton	JP2G Consultants	phone	11-Jun-09	During a brief phone call with Jim Hunton, I described the project locations and provided some detail on current status. He asked me to put together a package with a summary of project locations, development status and a summary of Prowind. I put the package in the mail on June 11th for Jim to review and provide advice on next steps.	Cathy Weston		information meeting	
ESR	Jim Hunton	JP2G Consultants	phone	24-Jun-09	left voice mail requesting call back	Cathy Weston		information meeting	
ESR	Jim Hunton	JP2G Consultants	phone	30-Jun-09	I spoke with Jim Hunton. He confirmed that he had received the package, and that he had not yet had a chance to review the materials. He will be ready to talk about this in mid-July (he is on vacation between July 6-10).	Cathy Weston		information meeting	
ESR	Cathy Weston	JP2G Consultants	letter	29-Jul-09	Received letter regarding all the eastern projects. See letter: 2009-07-23_Letter from JP2G for Algonquins.pdf	Jim Hunton		Prowind canada proposed windfarms	
ESR	Jim Hunton	JP2G Consultants	email	30-Jul-09	Hello James, Thank you for your response to my inquiry. Per the second point in your letter, I can confirm that proposed project sites and access roads for all referenced projects in eastern Ontario (Sunol, Brinston, South Branch and Marlborough I&2) do not include Federal or Provincial Crown lands. In addition, Prowind does not forsee any reason for, nor has plans for construction of new transmission line, or transmission line upgrades at these project locations. We do expect that in all cases where new distribution lines are required, that construction will be restricted to occur within contracted, private land. There may be some requirements for upgrades to existing distribution lines in the vicinity of the project locations. Please let me know if this response is sufficient for you to continue processing our request, or if a follow up letter in hard copy should be sent. Kind regards, Cathy	Cathy Weston		Prowind canada proposed windfarms	
ESR	Jim Hunton	JP2G Consultants	email	05-Aug-09	Cathy: Your reply is sufficient confirmation. The Algonquins of Ontario will be responding in due course on the basis that the subject projects do not utilize unceded Crown lands. J. E. Hunton, MCIP, RPP Vice President	Jim Hunton			
ESR	Robert Potts	Blaney McMurty (Algonquins lawyer)	email	01-Sep-09	please see letter saved in public/environmental/First nations/2009-08-31_AOO re Prowind Windfarm Proposals.pdf	Potts		Re: Prowind canada proposed windfarms	AOO re Prowind Windfarm Proposals August 31 09.pdf

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
ESR	Robert Potts	Blaney McMurty (Algonquins lawyer)	email	02-Sep-09	Mr. Potts, Thank you for your response to project proposal documents. I appreciate your feedback and am pleased that we were able to provide you with sufficient detail for these projects. As indicated in your letter, we will make the requested updates to the Project Summary documents to correctly indicate that they are located within Algonquin Traditional Territory. Prowind will endeavour to keep you posted as to the progress of these projects. Please don't hesitate to contact me if you have questions or if there is any additional information you require. Again, thank you for taking the time to review and provide comment on our submission. Warm regards, Cathy	Cathy Weston			
REA	MOE	all	letter	17-Jun-10	Aboriginal Communities List arrives from MOE	Joe DeLaronde, MOE	Prowind	South Branch - Aboriginal Communities List	
PDR / Notice / OH	Sir or Madam	Algonquins of Ontario	mail	21-Jun-10	see letter on file - South Branch_PDR and Notices to First Nations.pdf	Cathy		South Branch Wind Farm - Notices and PDR	PDR, Notice of Proposal / Notice of Open House
PDR / Notice / OH	Robert J Potts, Principal Negotiator	Blaney McMurtry Barristers & Solicitors LLP	mail	21-Jun-10	see letter on file - South Branch_PDR and Notices to First Nations.pdf	Cathy		South Branch Wind Farm - Notices and PDR	PDR, Notice of Proposal / Notice of Open House
PDR / Notice / OH	Jim Hunton, Vice President	Jp2g Consultants Inc.	mail	21-Jun-10	see letter on file - South Branch_PDR and Notices to First Nations.pdf	Cathy		South Branch Wind Farm - Notices and PDR	PDR, Notice of Proposal / Notice of Open House
PDR / Notice / OH	Timothy Thompson, Grand Chief	Mohawks of Akwesasne	mail	21-Jun-10	see letter on file - South Branch_PDR and Notices to First Nations.pdf	Cathy		South Branch Wind Farm - Notices and PDR	PDR, Notice of Proposal / Notice of Open House
PDR / Notice / OH	Charmaine Caldwell	Mohawks of Akwesasne	mail	21-Jun-10	see letter on file - South Branch_PDR and Notices to First Nations.pdf	Cathy		South Branch Wind Farm - Notices and PDR	PDR, Notice of Proposal / Notice of Open House
PDR / Notice / OH	Mr. Robert Pellerin, President	Ottawa Regional Métis Council	mail	21-Jun-10	see letter on file - South Branch_PDR and Notices to First Nations.pdf	Cathy		South Branch Wind Farm - Notices and PDR	PDR, Notice of Proposal / Notice of Open House
PDR / Notice / OH	Mr. Gary Lipinski, President	Métis Nation of Ontario	mail	21-Jun-10	see letter on file - South Branch_PDR and Notices to First Nations.pdf	Cathy		South Branch Wind Farm - Notices and PDR	PDR, Notice of Proposal / Notice of Open House
PDR / Notice / OH	Chief James Marsden	Alderville First Nation	mail	21-Jun-10	see letter on file - South Branch_PDR and Notices to First Nations.pdf	Cathy		South Branch Wind Farm - Notices and PDR	PDR, Notice of Proposal / Notice of Open House
PDR / Notice / OH	Reese Simpson, Economic Development Officer	Alderville First Nation	mail	21-Jun-10	see letter on file - South Branch_PDR and Notices to First Nations.pdf	Cathy		South Branch Wind Farm - Notices and PDR	PDR, Notice of Proposal / Notice of Open House

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
PDR / Notice / OH	algonquins@nrtco.net	Algonquins of Ontario	email	25-Jun-10	Hello, I am following up to the hard copy package that was mailed to your offices on Monday of this week. Hopefully you have received these documents by now, which include an introductory letter, a Project Description report for the proposed South Branch Wind Farm and copies of the official Notice postings for the Project and our scheduled first open house. I've attached a copy of the introductory letter and notices in case you haven't received them in the mail. I apologize for the formal address in the letter – if there is a particular individual I should be contacting, please do let me know. In addition to providing project details, I wanted to extend an offer to meet with you, and anyone else interested, to discuss the projects. I'd be happy to come to your office at your convenience to introduce ourselves in person and answer any questions you may have. The Project Description Report is a good overview of the project and has a map in the final section. If you'd like further information or have any questions, please don't hesitate to contact me by email or at the phone number provided below.	Cathy		South Branch Wind Farm - Project information and Open House	PDR, Notice of Proposal / Notice of Open House
PDR / Notice / OH	algonquins@nrtco.net	Algonquins of Ontario	email	25-Jun-10	As is indicated in the attached notice, we're planning an open house public meeting for the South Branch wind farm, to take place on August 11th. It is being held in Dixon's Corners (south-west of Kemptville) at the Matilda Hall community centre from 6 to 9 pm. You are more than welcome and I'd be happy to see you there. Finally – we're keen to ensure that the information about the open house is shared with all members of your community. If there is a public notice board, website or other place where the notice could be posted, I'd be grateful to speak with someone who might be able to arrange this. Alternatively – if there is a local newsletter or other publication that we should connect with, please let me know. I look forward to hearing from you. Cathy	Cathy		South Branch Wind Farm - Project information and Open House	PDR, Notice of Proposal / Notice of Open House

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
PDR / Notice / OH	Robert Pellerin	Ottawa Regional Métis Council	email	25-Jun-10	Robert, I am following up to the hard copy package that was mailed to your offices on Monday of this week. Hopefully you have received these documents by now, which include an introductory letter, a Project Description report for the proposed South Branch Wind Farm and copies of the official Notice postings for the Project and our scheduled first open house. I've attached a copy of the introductory letter and notices in case you haven't received them in the mail. Please let me know if you are the correct person to connect with, or whether there are other individuals I should be contacting. In addition to providing project details, I wanted to extend an offer to meet with you, and anyone else interested, to discuss the projects. I'd be happy to come to your office at your convenience to introduce ourselves in person and answer any questions you may have. The Project Description Report is a good overview of the project and has a map in the final section. If you'd like further information or have any questions, please don't hesitate to contact me by email or at the phone number provided below. As is indicated in the attached notice, we're planning an open house public meeting for the South Branch wind farm, to take place on August 11th. It is being held in Dixon's Corners (south-west of Kemptville) at the Matilda Hall community centre from 6 to 9 pm. You are more than welcome and I'd be happy to see you there. Finally – we're keen to ensure that the information about the open house is shared with all members of your community. If there is a public notice board, website or other place where the notice could be posted, I'd be grateful to speak with someone who might be able to arrange this. Alternatively – if there is a local newsletter or other publication that we should connect with, please let me know.	Cathy		South Branch Wind Farm - Project information and Open House	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
PDR / Notice / OH	Mr. Gary Lipinski, President	Métis Nation of Ontario	email	25-Jun-10	Mr. Lipinski, I am following up to the hard copy package that was mailed to your offices on Monday of this week. Hopefully you have received these documents by now, which include an introductory letter, a Project Description report for the proposed South Branch Wind Farm and copies of the official Notice postings for the Project and our scheduled first open house. I've attached a copy of the introductory letter and notices in case you haven't received them in the mail. Please let me know if you are the correct person to connect with, or whether there are other individuals I should be contacting. In addition to providing project details, I wanted to extend an offer to meet with you, and anyone else interested, to discuss the projects. I'd be happy to come to your office at your convenience to introduce ourselves in person and answer any questions you may have. The Project Description Report is a good overview of the project and has a map in the final section. If you'd like further information or have any questions, please don't hesitate to contact me by email or at the phone number provided below. As is indicated in the attached notice, we're planning an open house public meeting for the South Branch wind farm, to take place on August 11th. It is being held in Dixon's Corners (south-west of Kemptville) at the Matilda Hall community centre from 6 to 9 pm. You are more than welcome and I'd be happy to see you there. Finally – we're keen to ensure that the information about the open house is shared with all members of your community. If there is a public notice board, website or other place where the notice could be posted, I'd be grateful to speak with someone who might be able to arrange this. Alternatively – if there is a local newsletter or other publication that we should connect with, please let me know.	Cathy		South Branch Wind Farm - Project information and Open House	PDR, Notice of Proposal / Notice of Open House

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
PDR / Notice / OH	Reese Simpson, Economic Development Officer	Alderville First Nation	email	25-Jun-10	Hello, I am following up to the hard copy package that was mailed to your offices on Monday of this week. Hopefully you have received these documents by now, which include an introductory letter, a Project Description report for the proposed South Branch Wind Farm and copies of the official Notice postings for the Project and our scheduled first open house. I've attached a copy of the introductory letter and notices in case you haven't received them in the mail. Please let me know if you are the correct person to connect with, or whether there are other individuals I should be contacting. In addition to providing project details, I wanted to extend an offer to meet with you, and anyone else interested, to discuss the projects. I'd be happy to come to your office at your convenience to introduce ourselves in person and answer any questions you may have. The Project Description Report is a good overview of the project and has a map in the final section. If you'd like further information or have any questions, please don't hesitate to contact me by email or at the phone number provided below. As is indicated in the attached notice, we're planning an open house public meeting for the South Branch wind farm, to take place on August 11th. It is being held in Dixon's Corners in South Dundas Twp, at the Matilda Hall community centre from 6 to 9 pm. You are more than welcome and I'd be happy to see you there. Finally – we're keen to ensure that the information about the open house is shared with all members of your community. If there is a public notice board, website or other place where the notice could be posted, I'd be grateful to speak with someone who might be able to arrange this. Alternatively – if there is a local newsletter or other publication that we should connect with, please let me know.	Cathy		South Branch Wind Farm - Project information and Open House	PDR, Notice of Proposal / Notice of Open House
PDR / Notice / OH	Robert Pellerin	Ottawa Regional Métis Council	phone	30-Jun-10	I phoned Mr. Pellerin to follow up on the PDR and project notices. He indicated that he had forwarded them on to Mr. James Wagar at the Metis Nation of Ontario. He confirmed that Mr. Wagar handles all propositions, such as wind farm proposals and should be addressed directly for all matters relating to the Ottawa Regional Metis Council.	Cathy		South Branch Wind Farm - Project information and Open House	
PDR / Notice / OH	James Wagar	Métis Nation of Ontario	phone	30-Jun-10	I phoned Mr. Wagar to follow up on the South Branch information that he had received. He confirmed receipt of the materials and thanked me for my call. He had a few qustions about the project - capacity, whether the project was on private property, and whether we are looking for investment from First Nations groups. He indicated that he will summarize and share the materials with the appropriate communities and will determine through these conversations whether it is necessary to hold a meeting with Prowind (which would be separate from the open house). He asked me to call him back in mid-July. I asked about advertising or posting notices of the project within the communities, and he committed to doing this. Asked me to send him an email requesting his written confirmation of the above.	Cathy		South Branch Wind Farm - Project information and Open House	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
PDR / Notice / OH	James Wagar	Métis Nation of Ontario	email	30-Jun-10	Hi James, Thank you for taking the time to speak with me this afternoon. As per our conversation, I understand that you carry responsibility for initial review of all wind farm proposals for the Metis Nation of Ontario, as well as the regional Council offices. By way of email, please confirm your receipt of the South Branch Wind Farm project information and that you will ensure materials are distributed to the appropriate MNO communities. As stated during our call, Prowind would be pleased to meet with you and your representatives at a time that is mutually convenient. I will connect with you in mid-July once you've had opportunity to fully review the materials provided. In the interim, please don't hesitate to contact me should you have any questions about the project or Prowind. Kind regards, Cathy	Cathy		South Branch Wind Farm - Project information and Open House	Introductory letter, Notices
PDR / Notice / OH	James Wagar	Métis Nation of Ontario	email	02-Jul-10	Hello Cathy, It was very nice speaking with you the other day. For your records please find our "letter of receipt" for the South Branch project. Miigwetch - Merci - Thank You James W. Wagar	James Wagar	Cathy	South Branch Wind Farm - Project information and Open House	see letter on file: Metis Nation - letter of project notice receipt
PDR / Notice / OH	Charmaine Caldwell	Mohawks of Akwesasne	phone	05-Jul-10	left voice mail asking for follow up chat with Charmaine	Cathy			
PDR / Notice / OH	Chief James Marsden	Alderville First Nation	phone	05-Jul-10	spoke with Chief Marsden briefly. He confirmed receipt of the South Branch information and indicated that he had passed it on to 'his worker'. I asked if I could follow up directly with someone else, and he said 'no'. I should wait for the Alderville person to contact me directly.	Cathy			
Notice	James Wagar	Métis Nation of Ontario	phone / email	27-Jul-10	Hi James, Thanks for taking time to speak with me today. As per your suggestion, I'll send you this email for documentation purposes and to reiterate our intention to find a convenient time to discuss our South Branch wind farm project in more detail once schedules permit. I understand that you have not yet heard feedback on our proposed project from members of your community, but will keep us informed if any concerns or questions do arise. I will keep you informed of any updates or progress in project activities through email channels. I appreciate your assistance in sharing this information with your communities and look forward to continued communications. As always, please contact me if you have any questions or concerns. Cathy --	Cathy	James Wagar	South Branch Wind Farm - Follow up	none

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
Meeting with FN	James Wagar	Métis Nation of Ontario	email	27-Jul-10	Hello Cathy, I would like to confirm receipt of ProWind's "South Branch Wind Farm" project notice dated June 21st, 2010. Currently the project documentation is being reviewed, assessed and disseminated to the surrounding Métis Councils. Upon review of the documentation the MNO will inform you how they would like to proceed. Please note that our rate of response is determined by the number of notices that we receive. Even if you do not receive a response letter, it does not exhibit the MNO's interest or the need to enter into consultation. The Métis Nation of Ontario would kindly request that you continue to keep us informed of your timeline, EA bench marks and any new developments that may arise during the progress of your project. Bellow represent the steps in which the MNO and its regional consultation committees follow to ensure that Métis rights are being observed. 1. Project Notice a. Trigger for Consultation b. Notice to Métis Nation of Ontario and regional communities c. Assessment by Métis d. Métis Response 2. Information Sharing (if determined necessary by the MNO and/or the regional Consultation Committee) a. Determine funding and capacity requirements for Meeting b. Exchange of Information c. MNO and the Consultation Committee assess the potential impacts 3. Consultation (if determined necessary by the MNO and/or the regional Consultation Committee) a. Develop an Impact Benefit Agreement b. Set Mitigations and Accommodations	James Wagar	Cathy	RE: South Branch Wind Farm - Follow up call	none
REA review	James Wagar	Métis Nation of Ontario	phone	22-Sep-10	left message to ask about feedback on projects	Cathy Weston		South Branch Wind Farm - Métis Nation Community Response	
REA review	James Wagar	Métis Nation of Ontario	phone	27-Sep-10	spoke with James to ask about feedback on the project REA and other materials. He commented that he has received feedback from the communities for South Branch and that at this time, they have determined that the project will have 'no impact on the Métis way of life'. He asked me to send him a reminder email and he will mail me something to document this. Prowind will endeavour to keep the community and their representatives apprised of all project updates and milestones	Cathy Weston		South Branch Wind Farm - Métis Nation Community Response	
REA review	James Wagar	Métis Nation of Ontario	email	27-Sep-10	Hello James, Thank you for taking time to speak with me today. As per our conversation, please send me your written confirmation of the status of your community feedback in response to the proposed Innerkip and Gunn's Hill Wind Farm projects, located in the vicinity of Woodstock, Ontario. Thank you in advance, Cathy	Cathy Weston		South Branch Wind Farm - Métis Nation Community Response	
REA review	James Wagar	Métis Nation of Ontario	email	12-Oct-10	Sorry for the delay Cathy, I anticipate having a letter for you =0by the end of the week. Thank you for your call	James Wagar	Cathy Weston	South Branch Wind Farm - Métis Nation Community Response	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
REA review	James Wagar	Métis Nation of Ontario	email	11-Nov-10	Hi James, I hope you are doing well. I haven't received anything by mail and was hoping that you have had opportunity to put together the letter for Prowind. I'd be pleased to receive an electronic copy if it is easier for you. Thanks in advance, Cathy	Cathy Weston		South Branch Wind Farm - Métis Nation Community Response	
REA review	James Wagar	Métis Nation of Ontario	email	03-Dec-10	Cathy, I apologize for the delay and thank you for your patience. Please find the attached letter representing the MNO's current position regarding the South Branch Wind Farm project. Should you have any question please feel free to let me know.	James Wagar	Cathy Weston	South Branch Wind Farm - Métis Nation Community Response	MNO Response - South Branch Wind Farm
PDR / Notice / OH	Charmaine Caldwell	Mohawks of Akwesasne	email	January-11	multiple email regarding the PDR have bounced. No email appears to be getting through	Cathy			
REA review	James Wagar	Métis Nation of Ontario	mail	07-Jan-11	See letter on file, included CD of Draft REA - Revision 1.0	Rochelle		South Branch Wind Farm - Draft REA	REA R1.0 (Nov 30)
REA review	Jim Hunton, Vice President	Algonquins of Ontario	mail	07-Jan-11	See letter on file, included CD of Draft REA - Revision 1.0	Rochelle		South Branch Wind Farm - Draft REA	REA R1.0 (Nov 30)
REA review	Chief James Marsden	Alderville First Nation	mail	07-Jan-11	See letter on file, included CD of Draft REA - Revision 1.0	Rochelle		South Branch Wind Farm - Draft REA	REA R1.0 (Nov 30)
REA review	Reese Simpson, Economic Development Officer	Alderville First Nation	mail	07-Jan-11	See letter on file, included CD of Draft REA - Revision 1.0	Rochelle		South Branch Wind Farm - Draft REA	REA R1.0 (Nov 30)
REA review	Charmaine Caldwell	Mohawks of Akwesasne	mail	07-Jan-11	See letter on file, included CD of Draft REA - Revision 1.0	Rochelle		South Branch Wind Farm - Draft REA	REA R1.0 (Nov 30)
REA review	Timothy Thompson, Grand Chief	Mohawks of Akwesasne	mail	07-Jan-11	See letter on file, included CD of Draft REA - Revision 1.0	Rochelle		South Branch Wind Farm - Draft REA	REA R1.0 (Nov 30)
REA review	Janet Restoule	Algonquins of Ontario	mail	07-Jan-11	See letter on file, included CD of Draft REA - Revision 1.0	Rochelle		South Branch Wind Farm - Draft REA	REA R1.0 (Nov 30)
REA review	Melanie Arthur	Alderville First Nation	email	25-Jan-11	See letter on file - acknowledged receipt and review of draft ReA	Melanie Arthur	Rochelle Rumney	South Branch Wind Farm - Draft REA	letter on file - South Branch-Wind Farm Draft REA Review_Alderville_2010-01-25.pdf
REA review	Ivan Thompson	Mohawks of Akwesasne	phone	25-Feb-11	Phoned front desk and was directed to speak with Ivan. He and I chatted about the project and I indicated I would send him more details so he could review and determine whether they had comments.	Cathy		South Branch Wind Farm - Draft REA	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
REA review	Ivan Thompson	Mohawks of Akwesasne	email	25-Feb-11	Hi Ivan, Thanks for taking the time to speak with me today. As mentioned, we're developing a wind farm project in the Brinston area, just north of Iroquois, ON. A copy of the project description document is attached for your review and comment. I had sent out copies of our draft Renewable Energy Approval package for South Branch Wind Farm in January. If you have not received a copy, and would like me to mail one to you, please provide the appropriate address. If you are able to connect to our ftp site, a digital copy is available now at the following address: Host address: ftp://prowind.ca Username: prowind.33 Password: 128117 I met with Charmaine Caldwell in 2009 to discuss the status of the South Branch Wind Farm, along with several other projects being developed by Prowind Canada. Since then, we have secured a contract to sell power to the OPA for the South Branch project, and I'd like an opportunity to meet with you again to provide more detail on the scope, status and next steps for this project. Please let me know if you are interested in arranging an in-person meeting and when would work best. We'd also like to get your feedback as to how this project could impact on your community and potential ties to the land that makes up the site. Thank you in advance for your response, Cathy	Cathy		South Branch Wind Farm	
REA review	Ivan Thompson	Mohawks of Akwesasne	email	02-Mar-11	Hi Ivan, I'm just checking in to make sure you received my email below. If you've had an opportunity to review the materials, we're happy to answer any questions you might have. As indicated earlier, I can meet with you in-person to discuss the project at your convenience. Regards, Cathy	Cathy		South Branch Wind Farm	
REA review	Ivan Thompson	Mohawks of Akwesasne	email	02-Mar-11	Ok Cathy, sure, I'm just waiting on a responce from others in my organization and I'll get back to.	Ivan	Cathy Weston	South Branch Wind Farm	
REA review	Ivan Thompson	Mohawks of Akwesasne	email	21-Mar-11	Hi Ivan, I hope you had a nice weekend. Have you been able to get the responses you were seeking from within your organization? My colleague will be in town early next week, and if you feel it would be valuable to meet in person, we're happy to accommodate your schedules. Cathy	Cathy Weston		South Branch Wind Farm	
REA review	Ivan Thompson	Mohawks of Akwesasne	email	19-Apr-11	Cathy, I'm very sorry, somehow your message got lost for a while as when my IT people set up my new e-mail, all the old ones I had in my inbox were gone. Anyway, would you still be available to meet in person on your project? I can come to you if you'd like. Ivan	Ivan	Cathy Weston	South Branch Wind Farm	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
REA review	Ivan Thompson	Mohawks of Akwesasne	email	19-Apr-11	Hi Ivan, Thanks for your email. We'd still like very much to meet with you. Would you be available on Tuesday next week (Apr 26th) ? Alternatively, I can come either Friday afternoon next week (Apr 29), or some time the week following. Please let me know what would be best. We're happy to travel to you. If there are any specific elements of the project you would like to discuss, please let us know. Regards, Cathy	Cathy Weston		South Branch Wind Farm	
REA review	Ivan Thompson	Mohawks of Akwesasne	email	19-Apr-11	I can be available on Tuesday the 26th but I do need to be in Ottawa the entire day of Friday the 29th with my son who's attending an all day workshop. Maybe we can meet there if Tuesday doesn't work outIvan	Ivan	Cathy Weston	South Branch Wind Farm	
REA review	Ivan Thompson	Mohawks of Akwesasne	email	20-Apr-11	Hi Ivan, How about 10am on Tuesday next week? If this works, please send me the address/directions and my colleague Rochelle and I will be there. Please let us know if there are specific project elements that you would like to discuss. Cathy	Cathy Weston		South Branch Wind Farm	
REA review	Ivan Thompson	Mohawks of Akwesasne	email	21-Apr-11	Hi Ivan, I'm sure you got my note from yesterday, but felt like I should double-check. Does 10am on Tuesday next week work for you? Let me know where we can meet you. Cathy	Cathy Weston		South Branch Wind Farm	
REA review	Ivan Thompson	Mohawks of Akwesasne	meeting	26-Apr-11	in-person meeting with Ivan Thompson - discussed project details, requested comments or concerns. See notes on file	Cathy Weston		South Branch Wind Farm	
Follow up to meeting	Ivan Thompson	Mohawks of Akwesasne	email	04-May-11	Hi Ivan, Thanks again for meeting with us last week. It was great to meet you and talk about our the South Branch Wind Farm project. I wanted to pass along the links I mentioned to you regarding the list of station capacities. This shows the capacity on Hydro One's distribution system stations. If you know the name of the Transmission Station or Distribution Station you are interested in connecting to, this list will have the capacity available on each one. http://www.hydroone.com/Generators/Pages/AvailableCapacity.aspx I hope you find this helpful. We'll be in touch later on to see how Council responded to the South Branch project. If you have nay further questions for us, please don't hesitate to get in touch. My contact information is below. Thanks again, Rochelle	Rochelle Rumney	Ivan Thompson	Prowind - links re. Hydro One grid capacity	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
REA publication and final meeting	Ivan Thompson	Mohawks of Akwesasne	email	26-Jul-11	Hi Ivan, I wanted to extend an invitation to our upcoming open house for the South Branch Wind Farm. Details are included on the enclosed invitation – we hope you can make it. Please share this invitation with those you think may be interested in attending. Have you had opportunity since we last chatted to discuss our project with your Council? Was there any feedback that we should note? I've also included a copy of the recently finalized heritage impact assessment report and will send the archaeology report in a separate email (to keep the file sizes down a bit). Some interesting reading for sure. Please let me know if you have any questions or comments as we move ahead in this process. Thanks again, Cathy	Cathy Weston		South Branch Wind Farm	Notice of Meeting and Heritage Assessment Report
REA publication and final meeting	Ivan Thompson	Mohawks of Akwesasne	email	28-Jul-11	Hello Cathy, To date, I haven't received any negative feedback from the council. Ivan	Ivan Thompson	Cathy Weston	South Branch Wind Farm	
REA publication and final meeting	Ivan Thompson	Mohawks of Akwesasne	email	02-Aug-11	Hi Ivan, The archaeology report was too big to send by email. Fortunately though, all of these reports are now available on our website. If you would like to read more about this or any of the field studies that we've done in the vicinity of the project, please visit the project web page at: http://www.prowind.ca/?page=projects-south-branch Please let me know if you have any questions or comments on the materials provided there. Best regards, Cathy	Cathy Weston		South Branch Wind Farm	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
REA publication and final meeting	Dave Simpson	Alderville First Nation	email	05-Aug-11	Mr. Simpson, I'm pleased to announce the publication of our draft Reports for Environmental Assessment at South Branch Wind Farm, and that a date for our final public meeting has been established. Attached for your reference is an invitation to the open house. We've scheduled this meeting for Thursday, September 29, 2011 from 6 to 9pm in Dixon's Corners at Matilda Hall. The draft reports for the South Branch Wind Farm Renewable Energy Approval submission are now available for download on our website at: http://www.prowind.ca/?page=projects-south-branch If you are interested to learn about the planned development for this project, please have a look at these reports – they include all details of the project design, field surveys conducted and results of environmental assessment. We welcome your feedback on the proposed project. Please send us email with any questions or comments. Please let me know if you have questions or comments. We look forward to hearing from you. Cathy	Cathy Weston		South Branch Wind Farm - Draft REA report publication and final public open house	Notice of Final Meeting
REA publication and final meeting	James Wagar	Métis Nation of Ontario	email	05-Aug-11	James, I'm pleased to announce the publication of our draft Reports for Environmental Assessment at South Branch Wind Farm, and that a date for our final public meeting has been established. Attached for your reference is an invitation to the open house. We've scheduled this meeting for Thursday, September 29, 2011 from 6 to 9pm in Dixon's Corners at Matilda Hall. The draft reports for the South Branch Wind Farm Renewable Energy Approval submission are now available for download on our website at: http://www.prowind.ca/?page=projects-south-branch If you are interested to learn about the planned development for this project, please have a look at these reports – they include all details of the project design, field surveys conducted and results of environmental assessment. We welcome your feedback on the proposed project. Please send us email with any questions or comments. Please let me know if you have questions or comments. We look forward to hearing from you. Cathy	Cathy Weston		South Branch Wind Farm - Draft REA report publication and final public open house	Notice of Final Meeting

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
REA publication and final meeting	Jim Hunton	Algonquins of Ontario	email	05-Aug-11	Mr. Hunton, I'm pleased to announce the publication of our draft Reports for Environmental Assessment at South Branch Wind Farm, and that a date for our final public meeting has been established. Attached for your reference is an invitation to the open house. We've scheduled this meeting for Thursday, September 29, 2011 from 6 to 9pm in Dixon's Corners at Matilda Hall. The draft reports for the South Branch Wind Farm Renewable Energy Approval submission are now available for download on our website at: http://www.prowind.ca/?page=projects-south-branch If you are interested to learn about the planned development for this project, please have a look at these reports – they include all details of the project design, field surveys conducted and results of environmental assessment. We welcome your feedback on the proposed project. Please send us email with any questions or comments. Please let me know if you have questions or comments. We look forward to hearing from you. Cathy	Cathy Weston		South Branch Wind Farm - Draft REA report publication and final public open house	Notice of Final Meeting
REA updates	algonquins@nrtco.net, bpotts@blaney.com, jhunton@jp2g.com, Ivan Thompson, pellerin12@hotmail.com, grayl@metisnation.org, jmarsden@aldervillefirstnation.ca, rsimpson@aldervillefirstnation.ca	Algonquins of Ontario, Aldervlle First Nation, Metis of Ontario, Mohwaks of Akwesasne	email	22-Feb-12	Prowind Canada Inc. would like to inform all South Branch Wind Farm stakeholders of some updates to the Renewable Energy Approval (REA) document now being finalized. The previous version of the South Branch Wind Farm Renewable Energy Approval was published for public review on November 4, 2011. Based on feedback from the public, government agencies, municipalities and other stakeholders, some changes have been made to the REA subsequent to the public meeting in December 2011 and the final public meetings in January 2012. These updates are summarized below: • Ice Throw Report - This report was prepared by a specialized consultant. The results of the ice throw report have been included in the revised REA. The report is available for review on our website at www.prowind.ca/downloads/SouthBranchWindFarm_IceThrowReport_20120123.pdf. • Turbine Foundations - The turbine foundation type for all turbines at the South Branch Wind Farm will likely be shallow-spread foundations. The Nov 4, 2011 REA reporting states that pile foundations may also be necessary at some turbines locations pending the outcome of detailed geotechnical analysis to be completed at each turbine location. As such and for clarity, the revised REA provides an additional construction description for pile foundations under the Construction Plan Report. Prowind would like all stakeholders to be aware of the updates that have been made at this time and allow a period for additional public review and comment. Any additional updates will be highlighted on the website. The final reports will be submitted to the Ministry of Environment (MOE) in early March 2012. Once the application is deemed completed, the reports will be posted on the Environmental Registry (www.ebr.gov.on.ca) and on our website. Prowind will issue a notice once the application has been accepted by the MOE and is available for public comment. At that time, the MOE will accept comments directly for a minimum of 30 days through the Environmental Registry. The final reports will be available on our website at www.prowind.ca/?page=projects-south-branch	Rochelle Rumney		South Branch Wind Farm Public Announcement	

Project Element	Contact Name	Community	Method	Date	Message	Message Sender	To (if not contact)	Subject	Attachments
					The final reports will be available on our website at www.prowind.ca/ ?page=projects-south-branch. Please submit any comments or questions to us at info@prowind.ca or 905 528 1747. This notice was also posted in the Prescott Journal and Morrisburg Leader on February 22, 2012.				

Prowind Inc.

Aboriginal Student Bursary

Summary

Prowind Inc. ("Prowind") is pleased to announce that a bursary intended to promote the success of Canada's Aboriginal citizens at the post-secondary level and their participation in Canada's renewable energy industry. Bursary awards will be granted in the first year following successful commissioning of a wind farm and annually thereafter. Details of bursary allocation and eligible persons are included in the sections below.

Bursary Details

Two bursaries, each totaling $2,000.00 CAD will be awarded annually, following successful commissioning of a wind farm by Prowind. The awards will be granted to one male and one female Aboriginal student who are either entering or attending a Canadian post secondary institution in a field related to the wind energy industry.

Applicants must:

1) be a Canadian Aboriginal,
2) be in good academic standing,
3) provide evidence that their course of study is associated with the wind energy industry, and
4) demonstrate their commitment to the environment.

The successful candidate will provide documentation to support the requirements above along with a cover letter to the address noted below. Preference will be given to students entering their first year of college or university. Awards will be granted at the sole discretion of Prowind based on information provided by the applicants. Prowind reserves the right to withhold bursary award if no suitable candidate is identified in a given year.

Contact Information

For further details, or to apply for this bursary, please contact Prowind as noted below.

Cathy Weston
PO Box 1678
Kemptville, ON K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
info@prowind.ca
www.prowind.ca

M.K. INCE AND ASSOCIATES LTD.
WIND ENERGY ENGINEERING

P.O. Box 650, 35 Main St N, Suite 32, Waterdown, Ontario, L0R 2H0 Tel (905) 689-3900 Fax (905) 689-8195

April 8, 2008

Litigation Management and Resolution Branch
Department of Indian and Northern Affairs
10 Wellington St., 25 Eddie 1430
Gatineau QU K1A 0H4

Attention: Mr. Franklin Roy, Director
Reference: Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm in the Township of South Dundas, Ontario.

Dear Mr. Roy:

Prowind Canada Inc. is proposing the construction of two 10 MW wind energy projects in the Township of South Dundas, Ontario. The Notices of Commencement for the South Branch and Brinston Wind Farms, issued accordance with the Ontario Environmental Assessment Act, are enclosed. Currently, the South Branch and Brinston Wind Farms are undergoing a coordinated environmental screening under the Canadian and Ontario Environmental Assessment Acts. An extensive public consultation process is being carried out and local residents, interested agencies and First Nations are encouraged to provide feedback. This letter serves as notice of these proposed projects, and we are requesting information on any federal litigation related to the project lands. Recommendations for First Nations communities with whom we should be consulting would also be most appreciated.

The legal description of the lands involved with the project is as follows:

Township of South Dundas, Concession 6, Lots 16, 17 and 18
Township of South Dundas, Concession 7, Lots 12, 13, 14, 15, 16, 17 and 18
Township of South Dundas, Concession 8, Lots 12, 13, 14, 15, 16, 17, and 18
Township of South Dundas, Concession 9, Lots 12, 13, 14 and 15

Please do not hesitate to contact us should you require further information, or if you would like to participate in the assessment process. We look forward to your feedback.

Sincerely,
M. K. INCE AND ASSOCIATES LTD.

Jacinta McNairn, P.Eng.
Encl.

Professional Engineers Ontario
Authorized by the Association of Professional Engineers of Ontario to offer professional engineering services.

M.K. INCE AND ASSOCIATES LTD.
WIND ENERGY ENGINEERING

P.O. Box 650, 35 Main St N, Suite 32, Waterdown, Ontario, L0R 2H0 Tel (905) 689-3900 Fax (905) 689-8195

April 8, 2008

Specific Claims Branch
Ontario Research Team
Department of Indian and Northern Affairs
10 Wellington St., Room 1310
Gatineau QU K1A 0H4

Attention: **Mr. Fred Hoskins, Senior Claims Analyst**
Reference: **Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm in the Township of South Dundas, Ontario.**

Dear Mr. Hoskins:

Prowind Canada Inc. is proposing the construction of two 10 MW wind energy projects in the Township of South Dundas, Ontario. The Notices of Commencement for the South Branch and Brinston Wind Farms, issued accordance with the Ontario Environmental Assessment Act, are enclosed. Currently, the South Branch and Brinston Wind Farms are undergoing a coordinated environmental screening under the Canadian and Ontario Environmental Assessment Acts. An extensive public consultation process is being carried out and local residents, interested agencies and First Nations are encouraged to provide feedback. This letter serves as notice of this proposed project and we would like to request your feedback on any First Nation claims on these properties of which we may be unaware. Recommendations for First Nations communities with whom we should be consulting would also be most appreciated.

The legal description of the lands involved with the project is as follows:

Township of South Dundas, Concession 6, Lots 16, 17 and 18
Township of South Dundas, Concession 7, Lots 12, 13, 14, 15, 16, 17 and 18
Township of South Dundas, Concession 8, Lots 12, 13, 14, 15, 16, 17, and 18
Township of South Dundas, Concession 9, Lots 12, 13, 14 and 15

Please do not hesitate to contact us should you require further information, or if you would like to participate in the assessment process. We look forward to your feedback.

Sincerely,
M. K. INCE AND ASSOCIATES LTD.

Jacinta McNairn, P.Eng.
Encl.

Professional Engineers Ontario
Authorized by the Association of Professional Engineers of Ontario to offer professional engineering services.

M.K. INCE AND ASSOCIATES LTD.
WIND ENERGY ENGINEERING

P.O. Box 650, 35 Main St N, Suite 32, Waterdown, Ontario, L0R 2H0 Tel (905) 689-3900 Fax (905) 689-8195

April 8, 2008

Financial Issues and Cost-Sharing
Comprehensive Claims Branch
Department of Indian and Northern Affairs
10 Wellington St., Room 1310
Gatineau QU K1A 0H4

Attention: Mr. Kevin Clement, Acting Director
Reference: Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm in the Township of South Dundas, Ontario.

Dear Mr. Clement:

Prowind Canada Inc. is proposing the construction of two 10 MW wind energy projects in the Township of South Dundas, Ontario. The Notices of Commencement for the South Branch and Brinston Wind Farms, issued accordance with the Ontario Environmental Assessment Act, are enclosed. Currently, the South Branch and Brinston Wind Farms are undergoing a coordinated environmental screening under the Canadian and Ontario Environmental Assessment Acts. An extensive public consultation process is being carried out and local residents, interested agencies and First Nations are encouraged to provide feedback. This letter serves as notice of these proposed projects and we would like to request your feedback on any comprehensive First Nation claims on these properties of which we may be unaware. Recommendations for First Nations communities with whom we should be consulting would also be most appreciated.

The legal description of the lands involved with the project is as follows:

Township of South Dundas, Concession 6, Lots 16, 17 and 18
Township of South Dundas, Concession 7, Lots 12, 13, 14, 15, 16, 17 and 18
Township of South Dundas, Concession 8, Lots 12, 13, 14, 15, 16, 17, and 18
Township of South Dundas, Concession 9, Lots 12, 13, 14 and 15

Please do not hesitate to contact us should you require further information, or if you would like to participate in the assessment process. We look forward to your feedback.

Sincerely,
M. K. INCE AND ASSOCIATES LTD.

Jacinta McNairn, P.Eng.
Encl.

Professional Engineers Ontario
Authorized by the Association of Professional Engineers of Ontario to offer professional engineering services.

Affaires indiennes et du Nord Canada
Indian and Northern Affairs Canada

www.ainc-inac.gc.ca

Votre référence - Your file

APR 2 1 2008

Notre référence - Our file

B 8260-12

Jacinta McNairn
M.K. Ince and Associates Ltd.
P.O. Box 650, 35 Main St. N. Suite 32
WATERDOWN ON L0R 2H0

Dear Ms. McNairn:

Re: Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm in the Township of South Dundas, Ontario

I am writing in response to your letter of April 8, 2008, inquiring as to whether there are any First Nation claims on the subject properties.

We have conducted a brief search of our records and determined that a specific claim has been submitted by a First Nation in the area of interest:

Mohawks of Akwesasne
PO Box 579 CORNWALL ON K6H 5T3
(613) 575-2250

For more information, you may wish to consult a "Public Information Status Report" on all claims which have been submitted to date. This information is available to the public on the Indian and Northern Affairs Canada (INAC) website and can be found at http://www.ainc-inac.gc.ca/ps/clm/pis_e.html.

It should be noted that the reports available on the INAC website are updated quarterly and therefore, you may want to check this site at regular intervals for updates. In accordance with legislative requirements, confidential information has not been disclosed.

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Canada

Please rest assured that it is the policy of the Government of Canada as expressed in *Outstanding Business: A Native Claims Policy* that "in any settlement of specific native claims the government will take third party interests into account. As a general rule, the government will not accept any settlement which will lead to third parties being dispossessed."

We can only speak directly to claims filed under the Specific Claims Policy in the Province of Ontario. We cannot make any comments regarding potential or future claims, or claims filed under other departmental policies. This includes claims under Canada's Comprehensive Claims Policy or legal action by a First Nation against the Crown. You may wish to contact INAC's Comprehensive Claims Branch at (819) 994-7521 or its Litigation Management and Resolution Branch at (819) 934-2185 directly for more information. In addition, you may wish to consult the unit responsible for Special Claims at (819) 994-6453, and the Consultation and Accommodation Unit at (613) 944-9313.

To the best of our knowledge, the information we have provided you is current and up-to-date. However, this information may not be exhaustive with regard to your needs and you may wish to consider seeking information from other government and private sources (including Aboriginal groups). In addition, please note that Canada does not act as a representative for any Aboriginal group for the purpose of any claim or the purpose of consultation.

I hope this information will be of assistance to you. I trust that this satisfactorily addresses your concerns. If you wish to discuss this matter further please contact me at (819) 953-1940.

Yours sincerely,

Fred Hosking
Senior Claims Analyst
Ontario Research Team
Specific Claims Branch

Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

www.inac.gc.ca
www.ainc.gc.ca

10 SEP 2008

Your file - Votre référence

Our file - Notre référence

Jacinta McNairn
Project Manager
M.K. Ince and Associates Ltd.
P.O. Box 650, 35 Main Street North, Suite 32
WATERDOWN, ONTARIO L0R 2H0

Dear Ms. McNairn:

Re: Notice of Commencement of Environmental Screening for the Brinston Wind Farm and the South Branch Wind Farm in the Township of South Dundas, Ontario.

I am writing in response to your letter of April 8, 2008 addressed to Franklin Roy inquiring about any claims that may affect the subject property. I regret that we were unable to respond earlier.

We can advise that our inventory does not include active litigation in the vicinity of this property. Please note that we are unable to make any representations regarding potential or future claims.

We cannot make any comments regarding claims filed under other departmental policies. For information on any claims you should also contact Fred Hosking of the Specific Claims Branch at (819) 953-1940 to inquire about any Specific Claims, and Guy Morin of the Comprehensive Claims Branch at (819) 956-0325 to inquire about any current Comprehensive Claims.

.../2

Canada

If you have any further questions please do not hesitate to contact me at (819) 994-1947.

Sincerely,

Marc-André Millaire
Litigation Team Leader
Litigation Portfolio Operations East
Litigation Management and Resolution Branch

DISCLAIMER: In this Disclaimer, "Canada" means Her Majesty the Queen in right of Canada and the Minister of Indian Affairs and Northern Development and their servants and agents. Canada does not warrant or assume any legal liability or responsibility for the accuracy, completeness, or usefulness of any data or information disclosed with this correspondence or for any actions in reliance upon such data or information or on any statement contained in this correspondence. Data and information is based on information in departmental records and is disclosed for convenience of reference only. Canada does not act as a representative for any Aboriginal group for the purpose of any claim. Information from other government sources and private sources (including Aboriginal groups) should be sought, to ensure that the information you have is accurate and complete.

Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

www.inac.gc.ca
www.ainc.gc.ca

Your file - Votre référence

19 FEV. 2009

Our file - Notre référence

Ms. Cathy Weston
Prowind Canada Inc.
215 Sanders St, Suite 304
KEMPTVILLE, ONTARIO, K0G 1J0

Dear Ms. Weston:

Re: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario

I am writing in response to your letter of January 5, 2009 addressed to Daniel Ricard inquiring about any claims that may affect the subject property. I regret that we were unable to respond earlier.

We can advise that our inventory does not include active litigation in the vicinity of this property. Please note that we are unable to make any representations regarding potential or future claims.

We cannot make any comments regarding claims filed under other departmental policies. For information on any claims you should also contact Don Boswell of the Specific Claims Branch at (819) 953-1940 to inquire about any Specific Claims, and Guy Morin of the Comprehensive Claims Branch at (819) 956-0325 to inquire about any current Comprehensive Claims.

.../2

Canada

If you have any further questions please do not hesitate to contact me at (819) 994-1947.

Sincerely,

Marc-André Millaire
Litigation Team Leader
Litigation Portfolio Operations East
Litigation Management and Resolution Branch

DISCLAIMER: In this Disclaimer, "Canada" means Her Majesty the Queen in right of Canada and the Minister of Indian Affairs and Northern Development and their servants and agents. Canada does not warrant or assume any legal liability or responsibility for the accuracy, completeness, or usefulness of any data or information disclosed with this correspondence or for any actions in reliance upon such data or information or on any statement contained in this correspondence. Data and information is based on information in departmental records and is disclosed for convenience of reference only. Canada does not act as a representative for any Aboriginal group for the purpose of any claim. Information from other government sources and private sources (including Aboriginal groups) should be sought, to ensure that the information you have is accurate and complete.

APPENDIX I1

CONSULTATION WITH MOHAWKS OF AKWESASNE

May 13, 2008

Mohawks of Akwesasne
PO Box 579
Cornwall, ON K6H 5T3

Attention: **Chief Donnie Morris**
Reference: **Notice of Commencement of Environmental Screening for the South Branch Wind Farm and the Brinston Wind Farm in Dundas County, Ontario.**

Dear Chief Morris:

Prowind Canada Inc. is proposing the construction of two 10 MW wind energy projects in Dundas County, Ontario. The Notices of Commencement for the South Branch Wind Farm and Brinston Wind Farm, issued accordance with the Ontario Environmental Assessment Act, are enclosed. Currently, both wind farms are undergoing a coordinated environmental screening under the Canadian and Ontario Environmental Assessment Acts.

Prowind Canada Inc. would like to invite the Mohawks of Akwesasne to participate in the environmental assessment of the South Branch and Brinston Wind Farms. Indian and Northern Affairs Canada indicated that the Mohawks of Akwesasne have submitted a specific land claim that might be of interest to these projects. Our initial inquiries indicate that your First Nation's claim does not include the proposed project lands. If this is incorrect, please let us know. We do recognize, however, that the Mohawks of Akwesasne might have an interest in this development proposal, unrelated to any formal land claim issues. We are requesting your assistance in identifying any members of your community whom we should contact with respect to the South Branch and Brinston Wind Farms. If the Chief and Council would like to participate in the environmental assessment process or be kept informed of project activities, please let us know.

Please do not hesitate to contact us should you require further information, or if you would like to participate in the assessment process. We look forward to your feedback.

Sincerely,
PROWIND CANADA INC.

Encl.

215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

May 14, 2008

Mohawks of Akwesasne
PO Box 579
Cornwall, ON K6H 5T3

Attention: **Mr. Henry Lickers, Director of Environment**
Reference: Notice of Commencement of Environmental Screening for the South Branch Wind Farm and the Brinston Wind Farm in Dundas County, Ontario.

Dear Mr. Lickers:

Prowind Canada Inc. is proposing the construction of two 10 MW wind energy projects in Dundas County, Ontario. The Notices of Commencement for the South Branch Wind Farm and Brinston Wind Farm, issued accordance with the Ontario Environmental Assessment Act, are enclosed. Currently, both wind farms are undergoing a coordinated environmental screening under the Canadian and Ontario Environmental Assessment Acts.

Prowind Canada Inc. would like to invite the Mohawks of Akwesasne to participate in the environmental assessment of the South Branch and Brinston Wind Farms. Indian and Northern Affairs Canada indicated that the Mohawks of Akwesasne have submitted a specific land claim that might be of interest to these projects. Our initial inquiries indicate that your First Nation's claim does not include the proposed project lands. If this is incorrect, please let us know. We do recognize, however, that the Mohawks of Akwesasne might have an interest in this development proposal, unrelated to any formal land claim issues. We are requesting your assistance in identifying any members of your community whom we should contact with respect to the South Branch and Brinston Wind Farms. If the Chief and Council would like to participate in the environmental assessment process or be kept informed of project activities, please let us know.

Please do not hesitate to contact us should you require further infomation, or if you would like toparticipate in the assessment process. We look forward to your feedback.

Sincerely,

PROWIND CANADA INC.

Irene Powers

:IP

Encl.

Notice of Commencement of Screening
Under the Ontario Environmental Screening Process
For Electricity Projects

South Branch Wind Farm, Dundas County

Prowind Canada Inc. is planning to undertake an Environmental Screening for a proposed 10 MW wind generation facility near Brinston in Dundas County, Ontario. If approved, the project will consist of five (5) wind generating turbines located approximately 2 km north of the town of Brinston on the east side of Brinston Rd. and north to Oak Valley Rd. The study area for the Environmental Assessment is shown within the hatched lines on the map below.

The project is subject to the Ontario Ministry of the Environment's Screening Process for electricity projects, described in the *"Guide to Environmental Assessment Requirements for Electricity Projects"*. This process requires Prowind Canada Inc. to undertake a screening of the project. This notice is intended to meet the Notice of Commencement requirements for the Screening. The project is also subject to the federally administered Canadian Environmental Assessment Act. Screenings required for both federal and provincial agencies will be carried out in parallel and will culminate in one final report.

The Screening will assess the potential impact of the proposed wind generation facility on the bio-physical and socio-economic environment during its construction, operation and decommissioning. During the screening process, Prowind Canada Inc. will consider the potential for various environmental effects and will respond to issues raised by stakeholders and the general public. Depending on the potential for impacts, Prowind Canada Inc. may proceed to an Environmental Review and issue a notice of commencement of the Environmental Review.

Public consultation will be an integral component of this study. Public and regulatory consultation will be conducted on an on-going basis to provide input on various components of the study. Dates and locations of these opportunities will be advertised in local newspapers. You are invited to provide comments on the issues to be addressed in the study, and to ask to be placed on the project mailing list.

For any questions, or to raise any concerns, Please contact:

Prowind Canada Inc.
Irene Powers
Tel: 613-258-6700
Fax: 613-258-6722
Email: ipowers@prowind.ca

We are Prowind

For information on the environmental studies, please contact:

M.K. Ince and Associates Ltd.
35 Main St. North, Suite 32
Waterdown, ON L0R 2H0
Tel. (905) 689-3900, Fax: (905) 689-8195
Email: jacinta@mkince.ca

M.K. INCE AND ASSOCIATES LTD.
WIND ENERGY ENGINEERING

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

November 24, 2008

Mohawk Council of Awkesasne
P.O. Box 579
Cornwall, ON K6H 5T3

Attention: Mr. Timothy Thompson
Reference: Wind farm development in your area

Dear Mr. Thompson,

Prowind Canada Incorporated (Prowind) is a small Canadian company established in 2007 as a partner of the seasoned German wind developer, Prowind Gmbh. Our directors are from the agricultural community and work closely with farmers to bring wind energy to the farm. Prowind has a number of potential wind farm sites in the Kingston-Ottawa area that we wish to develop and we are interested in your input on these sites.

Prowind is currently considering five sites in Eastern Ontario for wind farms of various sizes – from 5 to 15 turbines in number. The proposed turbines are large in size, with up to 120 metre hub height, and each produces enough electricity to power over 600 homes for a year. The locations of these sites and their proximity to you are shown on the attached maps. Details of each project are outlined in the Notices of Commencement included with this letter, some of which you may already have received by mail.

There are a number of steps required to develop a wind project, including:

- Partner with private agricultural landowners who want to be part of a wind project.
- Install a meteorological tower to measure wind speeds on-site.
- Commence the Environmental Assessment to assess potential impacts of the project on the local environment, economy, and culture.
- Consult with the public and First Nations.

All five proposed sites have meteorological towers on-site and are undergoing an Environmental Assessment.

Prowind is aware that the Mohawk Council of Akwesasne may have links with the lands we are considering and we would therefore like to hear your perspectives on the proposed projects. We are interested in visiting your community for an introductory meeting. If you are also interested, please contact me to set up a time.

We hope this letter will be the starting point for ongoing discussions between the Mohawk Council of Akwesasne and Prowind. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress. Should you have any additional questions or comments, both Prowind and our environmental consultants, M.K. Ince and Associates Ltd., would be pleased to discuss these projects further with you.

We look forward to working with you and the Mohawk Council of Akwesasne community as we move towards developing more renewable energy sources for Ontario.

Regards,

Bart Geleynse
Prowind Canada Inc.

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
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Website: www.prowind.ca

January 5, 2009

Grand Chief
Mohawk Council of Akwesasne
P.O. Box 579
Cornwall, ON K6H 5T3

Attention: Mr. Timothy Thompson, Grand Chief
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Thompson

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

Each of the three Wind Farm projects is proposed to include up to five (5) wind turbines, each capable of producing 2 MW of electricity. The total combined nameplate capacity of the three farms is anticipated to be 30 MW – enough to power approximately 9000 average Ontario Homes. The projects are proposed in South Dundas near the Village of Brinston. Study areas are highlighted on the attached maps.

For further details on the South Branch, Brinston and Boundary Wind Farm projects, please join us any time between 5:30 and 8:30 pm, Thursday January 29, 2009, at The Matilda Community Hall, 4421 County Road 16, Dixon's Corners, Ontario. Light refreshments will be provided.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

Project:	All Active Eastern Ontario Projects
Trip Description:	Initial First Nations Meeting with Mohawk Council of Akwesasne
Date of Trip/Mtg:	March 3, 2009, 1:30pm
Location:	Akwesasne Council Office, Cornwall Island, Ontario
Contact:	Charmaine Caldwell
Prowind:	Cathy Weston, Manager of Operations
Akwesasne:	Charmaine Caldwell, Industrial Commercial Officer Richard David, Assistant Director Environment Department Elizabeth Nanticoke, Acting Director Environment Department Brian David, Energy Consultant

General:

- Cathy provided a brief background summary on Prowind Canada Inc. (PCI), and a summary of the project size, status and location for each of the active Eastern Ontario projects.
- Cathy also provided details on the approved Prowind First Nations bursary to be issued annually starting once PCI has a commissioned wind farm. The reaction from those assembled was favourable.
- The assembled group had strong knowledge of the wind energy development industry and components of wind farm planning and permitting.
- The group asked about timelines for permitting and construction of projects – Cathy noted that since all projects are part of Ontario's RESOP program, which is currently on hold, but expected to be revised this summer, that it is difficult to put accurate bounds on anything. She noted that the hope is to have two of the 7 described projects permitted and ready for construction by the end of 2009.
- Brian noted that the Akwesasne had investigated the possibility of establishing their own wind measurement teams to gather and sell wind measurement data – and to use the profits of this activity to fund new studies, but commented that the cost of acquiring and erecting towers made the efforts cost prohibitive. He noted a particular interest in investigating the potential for wind farm development on Akwesasne owned islands in the St. Lawrence, between Valleyfield to Admiralty Island (located in the 1000 Islands). There are several islands in this area that are off-grid and they would be interested in installing a closed-loop system to power the local homes and facilities. Also, their location on Cornwall Island is close to 3 separate power systems - Quebec Hydro, Hydro One and National Grid (USA), which may provide opportunity for easy sale of power.
- Both Richard and Brian noted a strong desire by the Akwesasne to maintain any power generated by an Akwesasne project for private, or closed-loop use – this may prove to be difficult if the power can best be generated on islands that are distant from the communities. Cathy recommended investigating opportunities for sale of power to the existing power authorities, and using proceeds to subsidize power costs for residents.

Environmental:

- Brian noted an 'area of interest' located between Merrickville and just northwest of Smith's falls that is 10 x 10 miles (100 mi2) which is a designated hunting area, traditionally used for

trapping beaver and muskrat. The Akwesasne are considering revitalizing hunting activities on these lands. Brian or Richard will attempt to provide a delineation of this area. Cathy noted that Prowind has no projects in this vicinity at present, but will keep the information on-hand for future reference.

- Richard noted that the Akwesasne have a skilled group that perform any EA work on their reserve lands. He added that the guidelines adopted by the Akwesasne are more stringent than the government guidelines. He indicated that a policy document has been prepared which outlines their guidelines and is willing to share this with Prowind.
- Richard asked that if there are any burial mounds or culturally modified trees identified during the time of land surveying or field work that the Akwesasne (Richard or Salli Bennedict) be notified so that they can provide guidance as to what must be done.
- Richard also suggested that Prowind take time to learn how to identify these artifacts by scheduling a half-day session with the Akwesasne. Cathy suggested that Jon Murphy may be a good person from our office to attend and will coordinate.

Other notes:

- The Akwesasne noted that they are in Kemptville approximately every 2 weeks for meetings with the MNR on the Model Farm project. Cathy invited them to visit Prowind at our office during any of these trips.

Follow Up:

- PCI will provide the soft copy of the summary report for Eastern Ontario projects.
- PCI will provide details of the Prowind First Nations bursary once finalized.
- PCI will contact Akwesasne (Richard Davis) to coordinate training for identification of culturally modified trees
- Akwesasne will provide detail of the area designated as traditional hunting territory near Smiths Falls.
- Akwesasne will provide their policy document outlining the environmental assessment guidelines that are prescribed for EA work conducted on Akwesasne reservation lands.

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Web: www.prowind.ca

June 21, 2010

Mohawks of Akwesasne
Iroquois of St. Regis
PO Box 579
Cornwall, Ontario K6H 5T3

Attention: **Timothy Thompson, Grand Chief**
Reference: **South Branch Wind Farm Project Description Report - DRAFT**
Notice of Proposal and Notice of Public Meeting

Dear Chief Thompson,

This letter is written in follow up to written correspondence we have shared in 2008 and 2009 and a visit I made to your Council offices in February 2009. As you may recall, Prowind Inc. (Prowind) is a Canadian wind energy development company established in 2007. Prowind is proposing the South Branch Wind Farm to be located located in eastern Ontario, near the villiages of Brinston and Dixon's Corners, within the Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, in the Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville. Prowind is aware that the Mohawks of Akwesasne may have links with the lands we are considering and we would therefore like to hear your perspectives on the proposed project and would like to keep you informed on the progress.

The project has secured a contract to sell power to the Ontario Power Authority under the Feed-In-Tariff program for a maximum nameplate capacity of 30 MW of combined electricity output. The make and model of the turbine has not yet been established; we anticipate that South Branch Wind Farm will consist of a maximum of 15 wind turbines, each with a hub height of no more than 140 m and rotor diameter of 103 m for a total maximum turbine height of 191.5 m.

Further details of the project can be found within the attached *DRAFT Project Description Report*, which is provided for your review and comment. This report has not yet been made public, but will be shortly. Once released to the public, it will be available for download on our website at http://www.prowind.ca/?page=projects-south-branch.

Combined with this project report, we have provided a copy of the Notice of Proposal and Notice of Public Meeting for the South Branch Wind Farm. As we value the feedback received on the project proposal, we kindly ask that you share this notice with other members of your community, perhaps a posting on a public notice board if one exists. As stated within the Notice, we are planning a public information session for the South Branch Wind Farm to occur on August 11, 2010 near the project location. We hope you can join us at this event.

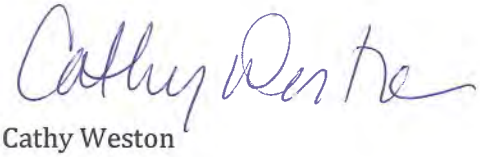
We would be happy to meet with you to introduce ourselves and discuss the project, either at this public meeting, or at a separate time and venue that is mutally convenient.

If you have any concerns about this project or are aware of any adverse impacts this project may have on your Aboriginal treaty rights, please provide us with your written comments so that we may address them directly. If no response has been received by August 31, 2010, we will interpret this to indicate that you have no concerns with the proposed wind farm project.

We hope this letter and the accompanying detail provides you with sufficient information to assess our project and look forward to positive, ongoing discussions between the Mohawks of Akwesasne and Prowind. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress.

We look forward to working with you and the Mohawks of Akwesasne community as we move towards developing more renewable energy sources for Ontario.

Kind regards,



Cathy Weston
Prowind Canada Inc.

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Web: www.prowind.ca

June 21, 2010

Mohawks of Akwesasne
Iroquois of St. Regis
PO Box 579
Cornwall, Ontario K6H 5T3

Attention: Charmaine Caldwell
Reference: South Branch Wind Farm Project Description Report - DRAFT
Notice of Proposal and Notice of Public Meeting

Dear Ms. Caldwell,

This letter is written in follow up to written correspondence we have shared in 2008 and 2009 and a visit I made to your Council offices in February 2009. As you may recall, Prowind Inc. (Prowind) is a Canadian wind energy development company established in 2007. Prowind is proposing the South Branch Wind Farm to be located located in eastern Ontario, near the villiages of Brinston and Dixon's Corners, within the Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, in the Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville. Prowind is aware that the Mohawks of Akwesasne may have links with the lands we are considering and we would therefore like to hear your perspectives on the proposed project and would like to keep you informed on the progress.

The South Branch Wind Farm has secured a contract to sell power to the Ontario Power Authority under the Feed-In-Tariff program for a maximum nameplate capacity of 30 MW of combined electricity output. The make and model of the turbine has not yet been established; we anticipate that South Branch Wind Farm will consist of a maximum of 15 wind turbines, each with a hub height of no more than 140 m and rotor diameter of 103 m for a total maximum turbine height of 191.5 m.

Further details of the project can be found within the attached *DRAFT Project Description Report*, which is provided for your review and comment. This report has not yet been made public, but will be shortly. Once released to the public, it will be available for download on our website at http://www.prowind.ca/?page=projects-south-branch.

Combined with this project report, we have provided a copy of the Notice of Proposal and Notice of Public Meeting for the South Branch Wind Farm. As we value the feedback received on the project proposal, we kindly ask that you share this notice with other members of your community, perhaps a posting on a public notice board if one exists. As stated within the Notice, we are planning a public information session for the South Branch Wind Farm to occur on August 11, 2010 near the project location. We hope you can join us at this event.

We would be happy to meet with you to introduce ourselves and discuss the project, either at this public meeting, or at a separate time and venue that is mutally convenient.

If you have any concerns about this project or are aware of any adverse impacts this project may have on your Aboriginal treaty rights, please provide us with your written comments so that we may address them directly. If no response has been received by August 31, 2010, we will interpret this to indicate that you have no concerns with the proposed wind farm project.

We hope this letter and the accompanying detail provides you with sufficient information to assess our project and look forward to positive, ongoing discussions between the Mohawks of Akwesasne and Prowind. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress.

We look forward to working with you and the Mohawks of Akwesasne community as we move towards developing more renewable energy sources for Ontario.

Kind regards,

Cathy Weston
Prowind Canada Inc.

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 7, 2011

Mohawks of the Akwesasne
Iroquois of St. Regis
P.O. Box 579
Cornwall, ON K6H 5T3

Attention: **Grand Chief Timothy Thompson and Charmaine Caldwell**
Reference: **South Branch Wind Farm Draft REA Review**

Dear Mr. Thompson,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are provided to you on the enclosed CD. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines near the community of Brinston, Ontario. Each turbine will have a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed, this inlcudes Archaeology and Heritage Impact studies. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the majority of the review process.

We wanted to provide you with the REA earlier rather than later, even considering the omission of the cultural heritage studies. These studies are likely of interest to you and your community and will be forwarded to your office as soon as they are available. The archeaology study requires very good visibility of the overturned soil and will therefore require the snow to melt before it can be completed. We anxiously await this weather as we are eager to complete these studies. Thank you for your understanding.

We hope this letter and the accompanying reports provide you with sufficient information to begin your assessment of our project and we look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,
Rochelle Rumney
Environmental Coordinator
(905)745-4719
rrumney@prowind.ca

Mohawks of the Akwesasne/Prowind Meeting Notes
South Branch Wind Farm

Date: April 26, 2011 at 10:00 am to 10:30 am

Location: CIA Building #3, Tewesateni Road, Cornwall Island

In Attendance: Rochelle Rumney, Cathy Weston, Ivan Thompson – Economic Development Officer

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Prowind gave Mr. Thompson an overview of the project and its current status, including the completed field studies and those underway.

Prowind has met/spoke with Charmaine at Akwesasne previously. Consultation with the Akwesasne has been ongoing since 2008.

Ivan asked about the status of Prowind's relationship with the Algonquins. Cathy noted that we have corresponded with them many times and they have stated they have no further interest/concern with the project. Métis have responded similarly.

Prowind presented the Student Bursary plan to Ivan for his review.

Ivan asked if Prowind currently has any partnerships with Aboriginal groups or otherwise, here or at other projects. Prowind explained that no Aboriginal partnerships have been formed, but partnerships with other international wind companies have been.

Prowind would be open to the idea of a discussion of a partnership with the Akwesasane on a project in the future. If Akwesasane are interested in starting up a project on their land, Prowind would be happy to discuss that. Prowind's focus is on wind and likely would not get involved in a solar project.

Ivan was concerned with the South Branch project interfering with possible future plans to develop a project on their land by way of taking available grid capacity. Prowind was uncertain about details of grid capacity in the Akwesasne area, but promised to forward information that is online from the OPA regarding grid capacity. The Cornwall area will not be on the same distribution-level grid system, but will be within the same transmission area. There does not appear to be critical limits on the eastern Ontario transmission system at this time, so the likelihood of Prowind's South Branch project preventing Akwesasne from securing a grid connection is low.

South Branch reports (REA) will be updated and out for public review in the upcoming months. Prowind will be in touch with Ivan regarding the REA public display of reports and publication of notice in local paper.

Ivan will take the summary of this project to Council to see if they have any concerns. Prowind will contact Akwesasne in a few weeks to get feedback on Council's thoughts.

Next Steps

- Rochelle will email links regarding OPA grid capacity to Ivan.
- Ivan will discuss South Branch with Council.
- Prowind will contact Akwesasne in a few weeks regarding Councils feedback on project.

226 ½ James St. N., Unit A
Hamilton, ON L8R 2L3
Phone: 905.258.1747
Fax: 866.203.6516
Email: info@prowind.ca
Web: www.prowind.ca

Mohawk Council of Akwesasne
Box 579
Cornwall, ON K6H 5T3

November 4, 2011

Attn: Grand Chief Michael Kanentakeron Mitchell

Re: South Branch Wind Farm Draft Renewable Energy Approval Reports

Dear Grand Chief Michael Kanentakeron Mitchell,

We are writing to provide an update on the South Branch Wind Farm. In June 2010, Prowind released a *Draft Project Description Report* for the South Branch Wind Farm for your review. Since then, we have been hard at work preparing an application for Renewable Energy Approval. We are pleased to present you with a final draft version for your review and comment. Attached to this letter are several reports and summaries of reports in the form of posters. These are described in detail below. Prowind has received your feedback to date on this project and we are aware that you have not identified any specific concerns up to this point. We do want to keep you updated and informed of the process and we value any feedback that you may have at this point in the process.

Prowind is planning several more public information sessions for the South Branch Wind Farm. Combined with these reports and summaries, we have provided a copy of the Notice of Public Meeting for these remaining meetings. As we value the feedback received on the project, we kindly ask that you share this notice with other members of your community, perhaps a posting on a public notice board if one exists. As stated within the Notice, we are planning public information sessions near the project location on the following dates: December 12th, 2011, January 10th, 2012, and January 11th, 2012. We hope you can join us at one or more of these events.

We would be happy to meet with you to discuss the project, either at the upcoming public meetings, or at a separate time and venue that is mutually convenient.

Below is a summary of our company and the proposed wind farm project and the reports we have prepared for the Renewable Energy Approval for the South Branch Wind Farm.

Background:

Prowind Inc. (Prowind) is a Canadian wind energy development company established in 2007. Prowind is proposing the South Branch Wind Farm to be located near the villages of Brinston and Dixon's Corners, within the Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, in the Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville.

The project has secured a contract to sell power to the Ontario Power Authority under the Feed-in Tariff program for a maximum nameplate capacity of 30 MW of combined electrical output.

Further details of the project can be found within the attached:

- **Summary:** Welcome, and South Branch Details Posters
- **Report:** *Draft Project Description Report*

Technology:

The make and model of the turbine has not yet been established; we anticipate that the South Branch Wind Farm will consist of a maximum of 14 wind turbines, each with a hub height of no more than 140 m and rotor diameter of 118 m for a total maximum turbine height of 199 m. Details regarding the turbine technology to be used can be found in the following attached documents:

- **Summary:** Technology Poster
- **Report:** *Turbine Specifications Report*

Archaeology and Heritage:

In order to ensure that the South Branch Wind Farm will not disturb any local archaeological or heritage features, archaeological and heritage studies were performed. Details regarding these surveys can be found within the attached:

- **Summary:** Archaeology and Heritage Poster
- **Report:** *Archaeology and Heritage Assessment Report*

Noise:

The Ontario Ministry of the Environment has established guidelines for sound level limits on wind farms. Using these guidelines, Prowind will perform noise modeling to ensure that the noise level at each receptor will not exceed 40 A-weighted decibels (dB(A)). A noise report for the maximum turbine dimensions has been completed and is available in Appendix C of the Design and Operations Report. A final noise report will be completed once turbine specifications have been finalized. For details, see the attached:

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Prowind has performed studies to determine whether the South Branch Wind Farm will cause interference with existing radar and telecommunication systems. Details can be found in the following attached documents:

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If you do have comments on the proposed project, please provide them in writing before the final public meeting date of January 11, 2012.

We look forward to working with you and the Mohawk Council of Akwesasne as we move towards more renewable energy sources for Ontario.

Kind regards,

Rochelle Rumney
Prowind Canada Inc.

Cc: Ivan Thompson, Economic Development Officer, Mohawk Council of Akwesasne, PO Box 579 Cornwall, ON K6H 5T3

226 ½ James St. N., Unit A
Hamilton, ON L8R 2L3
Phone: 905.258.1747
Fax: 866.203.6516
Email: info@prowind.ca
Web: www.prowind.ca

Mohawk Council of Akwesasne
Box 579
Cornwall, ON K6H 5T3

November 4, 2011

Attn: Ivan Thompson, Economic Development Officer

Re: South Branch Wind Farm Draft Renewable Energy Approval Reports

Dear Mr. Thompson,

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Rochelle Rumney
Prowind Canada Inc.

Cc: Grand Chief Michael Kanentakeron Mitchell, Mohawk Council of Akwesasne, PO Box 579 Cornwall, ON K6H 5T3

APPENDIX I2

CONSULTATION WITH MISSISSAUGAS OF ALDERVILLE

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Web: www.prowind.ca

June 21, 2010

Alderville First Nation
Mississaugas of Alderville
PO Box 46
11696 2nd Line Road
Alderville, Ontario K0K 2X0

Attention: **Chief James Marsden**
Reference: **South Branch Wind Farm Project Description Report**
Notice of Proposal and Notice of Public Meeting

Dear Chief Marsden,

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The project has secured a contract to sell power to the Ontario Power Authority under the Feed-In-Tariff program for a maximum nameplate capacity of 30 MW of combined electricity output. The make and model of the turbine has not yet been established; we anticipate that South Branch Wind Farm will consist of a maximum of 15 wind turbines, each with a hub height of no more than 140 m and rotor diameter of 103 m for a total maximum turbine height of 191.5 m.

Further details of the project can be found within the attached *DRAFT Project Description Report*, which is provided for your review and comment. This report has not yet been made public, but will be shortly. Once released to the public, it will be available for download on our website at http://www.prowind.ca/?page=projects-south-branch.

Combined with this project report, we have provided a copy of the Notice of Proposal and Notice of Public Meeting for the South Branch Wind Farm. As we value the feedback received on the project proposal, we kindly ask that you share this notice with other members of your community, perhaps a posting on a public notice board if one exists. As stated within the Notice, we are planning a public information session for the South Branch Wind Farm to occur on August 11, 2010 near the project location. We hope you can join us at this event.

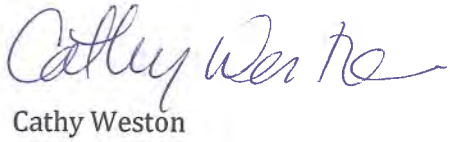
We would be happy to meet with you to introduce ourselves and discuss the project, either at this public meeting, or at a separate time and venue that is mutally convenient.

If you have any concerns about this project or are aware of any adverse impacts this project may have on your Aboriginal treaty rights, please provide us with your written comments so that we may address them directly. If no response has been received by August 31, 2010, we will interpret this to indicate that you have no concerns with the proposed wind farm project.

We hope this letter and the accompanying detail provides you with sufficient information to assess our project and look forward to positive, ongoing discussions between the Alderville First Nation and Prowind. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress.

We look forward to working with you and the Alderville First Nation community as we move towards developing more renewable energy sources for Ontario.

Kind regards,



Cathy Weston
Prowind Canada Inc.

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Web: www.prowind.ca

June 21, 2010

Alderville First Nation
Mississaugas of Alderville
PO Box 46
11696 2nd Line Road
Alderville, Ontario K0K 2X0

Attention: Reese Simpson, Economic Development Officer
Reference: South Branch Wind Farm Project Description Report
Notice of Proposal and Notice of Public Meeting

Dear Reese Simpson,

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We look forward to working with you and the Alderville First Nation community as we move towards developing more renewable energy sources for Ontario.

Kind regards,

Cathy Weston
Prowind Canada Inc.

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Kemptville, ON
K0G 1J0
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Email: info@prowind.ca
Website: www.prowind.ca

January 7, 2011

Alderville First Nation
11696 2nd Line Road
PO Box 46
Alderville, ON K0K 2X0

Attention: Chief James Marsden and Reese Simpson, Economic Development Officer
Reference: South Branch Wind Farm Draft REA Review

Dear Chief Marsden and Mr. Simpson,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are provided to you on the enclosed CD. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines near the community of Brinston, Ontario. Each turbine will have a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additional details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed, this includes Archaeology and Heritage Impact studies. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the majority of the review process.

We wanted to provide you with the REA earlier rather than later, even considering the omission of the cultural heritage studies. These studies are likely of interest to you and your community and will be forwarded to your office as soon as they are available. The archeaology study requires very good visibility of the overturned soil and will therefore require the snow to melt before it can be completed. We anxiously await this weather as we are eager to complete these studies. Thank you for your understanding.

We hope this letter and the accompanying reports provide you with sufficient information to begin your assessment of our project and we look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,
Rochelle Rumney
Environmental Coordinator
(905)745-4719
rrumney@prowind.ca

ALDERVILLE FIRST NATION
P.O. Box 46
11696 Second Line
Roseneath, Ontario K0K 2X0

Chief: James R. Marsden
Councillor: Dave Mowat
Councillor: Pam Crowe
Councillor: Leonard Gray
Councillor: Randall Smoke

January 18th, 2011

Prowind Canada Inc.
P.O. Box 1678
Kemptville, ON
K0G 1J0

Att: Rochelle Rumney

Re: South Branch Wind Farm Draft REA Review

Dear Rochelle,

Thank you for your consultation request to Alderville First Nation regarding the **South Branch Wind Farm Draft Review,** which is being proposed within our Traditional and Treaty Territory. We appreciate the fact that **Prowind Canada** recognizes the importance of First Nations Consultation and that your office is conforming to the requirements within the Duty to Consult Process. We greatly appreciate that the reports you sent us are on CD format, and it would be great if more companies would use that method instead of sending out hardcopies.

As per the Alderville First Nation Consultation Protocol, your proposed project is deemed a level 3, having minimal potential to impact our First Nations' rights, therefore, please keep Alderville apprised of any archaeological findings, burial sites or any environmental impacts, should any occur. Also note that when the time arises for the official dig, we have an **Archaeologist Liaison** person on hand to perform the **Archaeological Study**.

Although we may not always have representation at all stakeholders meetings, it is our wish to be kept apprised throughout all phases of this project. I can be reached at the contact information below.

In good faith and respect,

Dave Simpson
Lands and Resources
Communications Officer
Alderville First Nation

dsimpson@aldervillefirstnation.ca

Tele: (905) 352-2662
Fax: (905) 352-3242

226 ½ James St. N., Unit A
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November 4, 2011

Attn: Reese Simpson, Economic Development Officer

Re: South Branch Wind Farm Draft Renewable Energy Approval Reports

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Natural Environment:

Prowind has studied the land proposed to make up the South Branch Wind Farm as well as lands surrounding the project. Prowind performed studies investigating the amphibians, reptiles, bats, birds, aquatic environments, and any woodlot, wetland or other natural feature in the area. These studies allowed Prowind to ensure that the project components were sited to minimize any environmental effects.

In order to ensure that the South Branch Wind Farm meets its environmental and social expectations, post-construction monitoring will be undertaken. This monitoring includes not only birds, bats, and water quality, but sound and television reception as well.

Detailed results of these studies and the post-construction monitoring are presented in the following attached documents:

- **Summary:** Amphibians Poster, Aquatic Habitats Poster, Bats Poster, Birds Poster, Post-Construction Monitoring Poster
- **Reports:** *Natural Heritage Assessment Report, Water Assessment Report*

This summary is provided to keep you up to date on the project progress and extend the invitation to our upcoming open houses. And to provide opportunity for any additional comments you may have in regards to this project.

We hope that this letter and the accompanying attachments provide you with sufficient information to assess our project. We look forward to positive, ongoing discussions between the Alderville First Nation and Prowind. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress.

If you do have comments on the proposed project, please provide them in writing before the final public meeting date of January 11, 2012.

We look forward to working with you and the Aldervile First Nation as we move towards more renewable energy sources for Ontario.

Kind regards,

Rochelle Rumney
Prowind Canada Inc.

Cc: Reese Simpson, Economic Development Officer, 11696 2nd Line Rd., PO Box 46, Alderville, ON K0K 2X0

APPENDIX I3

CONSULTATION WITH ALGONQUINS OF ONTARIO

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

November 24, 2008

Algonquins of Pikwàkanagàn
P.O. Box 100
Pikwàkanagàn Golden Lake, ON K0J 1X0

Attention: Mr. Kirby Whiteduck
Reference: Wind farm development in your area

Dear Mr. Whiteduck

Prowind Canada Incorporated (Prowind) is a small Canadian company established in 2007 as a partner of the seasoned German wind developer, Prowind Gmbh. Our directors are from the agricultural community and work closely with farmers to bring wind energy to the farm. Prowind has a number of potential wind farm sites in the Kingston-Ottawa area that we wish to develop and we are interested in your input on these sites.

Prowind is currently considering five sites in Eastern Ontario for wind farms of various sizes – from 5 to 15 turbines in number. The proposed turbines are large in size, with up to 120 metre hub height, and each produces enough electricity to power over 600 homes for a year. The locations of these sites and their proximity to you are shown on the attached maps. Details of each project are outlined in the Notices of Commencement included with this letter, some of which you may already have received by mail.

There are a number of steps required to develop a wind project, including:

- Partner with private agricultural landowners who want to be part of a wind project.
- Install a meteorological tower to measure wind speeds on-site.
- Commence the Environmental Assessment to assess potential impacts of the project on the local environment, economy, and culture.
- Consult with the public and First Nations.

All five proposed sites have meteorological towers on-site and are undergoing an Environmental Assessment.

Prowind is aware that the Algonquins of Pikwàkanagàn may have links with the lands we are considering and we would therefore like to hear your perspectives on the proposed projects. We are interested in visiting your community for an introductory meeting. If you are also interested, please contact me to set up a time.

We hope this letter will be the starting point for ongoing discussions between the Algonquins of Pikwàkanagàn and Prowind. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress. Should you have any additional questions or comments, both Prowind and our environmental consultants, M.K. Ince and Associates Ltd., would be pleased to discuss these projects further with you.

We look forward to working with you and the Algonquins of Pikwàkanagàn community as we move towards developing more renewable energy sources for Ontario.

Regards,

Bart Geleynse
Prowind Canada Inc.

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Fax: 613-258-6722
Email: info@prowind.ca
Website: www.prowind.ca

January 5, 2009

Chief
Algonquins of Pikwàkanagàn
P.O. Box 100, Pikwakanagan
Golden Lake, ON K0J 1X0

Attention: Mr. Kirby Whiteduck, Chief
Reference: Invitation to Open House for South Branch, Brinston and Boundary Wind Farms, in the township of South Dundas, Ontario.

Dear : Mr. Whiteduck

Prowind Canada Inc. (Prowind) and M.K. Ince and Associates Ltd. (MKI) are pleased to invite you to a public Open House for the proposed South Branch, Brinston and Boundary Wind Farms. The Open House will provide an opportunity for Prowind and MKI to share preliminary results from the Environmental Screening, present general information about wind energy, and respond to questions and comments regarding these wind farms and wind energy in general. The Open House is intended to partially satisfy the conditions for public consultation explicit in the Environmental Screening Process.

Each of the three Wind Farm projects is proposed to include up to five (5) wind turbines, each capable of producing 2 MW of electricity. The total combined nameplate capacity of the three farms is anticipated to be 30 MW – enough to power approximately 9000 average Ontario Homes. The projects are proposed in South Dundas near the Village of Brinston. Study areas are highlighted on the attached maps.

For further details on the South Branch, Brinston and Boundary Wind Farm projects, please join us any time between 5:30 and 8:30 pm, Thursday January 29, 2009, at The Matilda Community Hall, 4421 County Road 16, Dixon's Corners, Ontario. Light refreshments will be provided.

Sincerely,
Prowind Canada Inc.

Cathy Weston
Encl.

210 Prescott Street, Suite 3
PO Box 1678
[City], Ontario K0G 1J0
Phone: 613.258.6700
Fax: 613.258-6722

2009 June 11

Mr. Jim Hunton
Vice President
JP2G Consulting
12 International Drive
Pembroke, Ontario
K8A 6W5

Dear Mr. Hunton,

As a follow up to our telephone conversation on June 10, 2009, I have prepared and enclosed a summary report giving location and development status details for our active wind farm projects in Eastern Ontario. I have also provided a Prowind Canada pamphlet that provides some further detail about our company and background.

I hope this package provides sufficient detail for you to assess the projects that are currently underway and determine best next steps for sharing this detail with and soliciting input from the Algonquin First Nations communities that may have interest in our projects.

Once you have had opportunity to review these details, please contact me at your convenience to discuss and coordinate next steps. If there is any additional information that you would like, please do not hesitate to contact me by phone at 613.258.6700 or by email at cweston@prowind.ca.

Sincerely,

Cathy Weston
Manager of Operations

Jp2g Consultants Inc.
ENGINEERS ■ PLANNERS ■ PROJECT MANAGERS

J.M. Janota, M.Sc., P.Eng.
J.E. Hunton, M.C.I.P., RPP

July 23, 2009

Prowind Canada
P.O. Box 1678
Kemptville, Ontario K0J 1J0

Attention: Cathy Weston, Manager of Operations

RE: ProWind Canada Proposed Windfarms

1. **Sunol Windfarm, Township of Beckwith**
2. **Marlborough I & II Wind Farms, North Gower/City of Ottawa**
3. **South Branch Wind Farm, Township of South Dundas**
4. **Brinston Windfarm, Township of South Dundas**
5. **Boundary Windfarm, Township of South Dundas**

Dear Ms. Weston:

This is to acknowledge your summary report on Prowind Canada windfarm proposals June 11, 2009 and individual project descriptions noted above, all received by e-mail June 30, 2009.

I can confirm that all these projects are located in Algonquin Traditional Territory and that the associated lands are therefore currently included within Land Claim Negotiations between the Government of Canada, the Province of Ontario and the Algonquins of Ontario.

Jp2g Consultants Inc. have now reviewed the above noted reports on behalf of the Algonquins of Ontario in our capacity as Consultation Office Technical Advisors and can offer the following preliminary comments.

Firstly, all five (5) reports cited above should reference the fact that **the proposed projects are located within Algonquin Traditional Territory where the Algonquins of Ontario have asserted rights that are the subject of a Land Claim Negotiation between the Government of Canada, Province of Ontario and the Algonquins of Ontario**.

For your background information the Algonquins of Ontario comprise ten (10) Algonquin communities in Eastern Ontario and represent approximately 10,000 constituents.

Secondly, before we can finalize our response to your request for consultation, the **Algonquins of Ontario will require your written confirmation that the proposed windfarm project sites and/or the proposed access roads and/or proposed transmission lines do not include Provincial or Federal Crown lands.**

We await your response.

Yours very truly,
Jp2g Consultants Inc.
Engineers · Planners · Project Managers

J. E. Hunton, MCIP, RPP
Vice President

JEH/lr

c.c. - All ANRs

12 International Drive, Pembroke, Ontario K8A 6W5 • Tel: 613-735-2507 • Fax: 613-735-4513 • www.jp2g.com • info@jp2g.com

Blaney McMurtry
BARRISTERS & SOLICITORS LLP

EXPECT THE BEST

August 31, 2009

VIA EMAIL

Prowind Canada
P.O. Box 1678
Kemptville, Ontario
K0J 1J0

2 Queen Street East
Suite 1500
Toronto, Canada M5C 3G5
416.593.1221 TEL
416.593.5437 FAX
www.blaney.com

Attention: Cathy Weston
Manager of Operations

RE: ProWind Canada Proposed Windfarms
Our Project No. 2097334A (CP 29-10)

Robert J. Potts
416.593.3952
bpotts@blaney.com

Dear Ms. Weston:

This writer acts as Principal Negotiator for the Algonquins of Ontario ("AOO") in matters related to the current Treaty Negotiations that are underway between the AOO, the Province of Ontario and the Government of Canada ("Governments").

It is in this capacity that we acknowledge your summary reports provided to our Technical Advisory Group dated June 11, 2009 confirming that the proposed project sites and access road infrastructure and proposed transmission lines do not include Federal or Provincial Crown lands.

We assume that your summary reports will be modified to correctly reflect the fact that the proposed projects are located within Algonquin Traditional Territory where the Algonquins of Ontario have asserted rights that are the subject of Treaty Negotiations between the AOO and the Governments.

Subject to the foregoing, the AOO will not object to the windfarm proposals described in the documentation provided and we do not require further consultation in this regard.

This letter is without prejudice to all Algonquin aboriginal rights and title and the right of the AOO to seek accommodation or financial compensation in the context of an Algonquin Treaty for any infringement of Algonquin aboriginal rights and title that may have resulted or may result in the future from this matter.

Yours very truly,

R. J. Potts
Principal Negotiator

c.c. - Algonquin Negotiation Representatives
- J. E. Hunton, Jp2g Consultants Inc.

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Web: www.prowind.ca

June 21, 2010

Blaney McMurtry Barristers & Solicitors LLP
2 Queen Street East
Suite 1500
Toronto, Ontario M5C 3G5

Attention: **Robert J Potts, Principal Negotiator**
Reference: **South Branch Wind Farm Project Description Report - DRAFT**
Notice of Proposal and Notice of Public Meeting

Dear Mr. Potts,

This letter is written in follow up to conversations and written correspondence we shared in 2009. As you may recall, Prowind Inc. (Prowind) is a Canadian wind energy development company established in 2007. Prowind is proposing the South Branch Wind Farm to be located in eastern Ontario, near the villiages of Brinston and Dixon's Corners, within the Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, in the Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville. Prowind is aware that the Algonquins of Ontario may have links with the lands we are considering and we would therefore like to hear your perspectives on the proposed project and would like to keep you informed on the progress.

The project has secured a contract to sell power to the Ontario Power Authority under the Feed-In-Tariff program for a maximum nameplate capacity of 30 MW of combined electricity output. The make and model of the turbine has not yet been established; we anticipate that South Branch Wind Farm will consist of a maximum of 15 wind turbines, each with a hub height of no more than 140 m and rotor diameter of 103 m for a total maximum turbine height of 191.5 m.

Further details of the project can be found within the attached *DRAFT Project Description Report*, which is provided for your review and comment. This report has not yet been made public, but will be shortly. Once released to the public, it will be available for download on our website at http://www.prowind.ca/?page=projects-south-branch.

Combined with this project report, we have provided a copy of the Notice of Proposal and Notice of Public Meeting for the South Branch Wind Farm. As we value the feedback received on the project proposal, we kindly ask that you share this notice with other members of your community, perhaps a posting on a public notice board if one exists. As stated within the Notice, we are planning a public information session for the South Branch Wind Farm to occur on August 11, 2010 near the project location. We hope you can join us at this event.

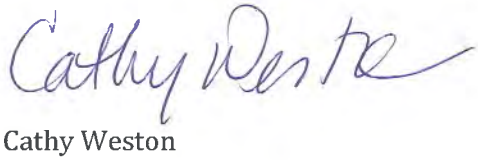
We would be happy to meet with you to introduce ourselves and discuss the project, either at this public meeting, or at a separate time and venue that is mutally convenient.

If you have any concerns about this project or are aware of any adverse impacts this project may have on the Aboriginal treaty rights of the communities that you represent, please provide us with your written comments so that we may address them directly. If no response has been received by August 31, 2010, we will interpret this to indicate that you have no concerns with the proposed wind farm project.

We hope this letter and the accompanying detail provides you with sufficient information to assess our project and look forward to positive, ongoing discussions between yourself, the Algonquins of Ontario and Prowind. I am available to discuss this project with you at any time and I will keep you updated on the various stages of the project as we progress.

We look forward to working with you and as we move towards developing more renewable energy sources for Ontario.

Kind regards,



Cathy Weston
Prowind Canada Inc.

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Web: www.prowind.ca

June 21, 2010

Jp2g Consultants Inc.
12 International Drive
Pembroke, Ontario K8A 6W5

Attention: **Jim Hunton, Vice President**
Reference: **South Branch Wind Farm Project Description Report - DRAFT**
Notice of Proposal and Notice of Public Meeting

Dear Mr. Hunton,

This letter is written in follow up to conversations and written correspondence we shared in 2009. As you may recall, Prowind Inc. (Prowind) is a Canadian wind energy development company established in 2007. Prowind is proposing the South Branch Wind Farm to be located located in eastern Ontario, near the villiages of Brinston and Dixon's Corners, within the Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, in the Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville. Prowind is aware that the Algonquins of Ontario may have links with the lands we are considering and we would therefore like to confirm your perspectives on the proposed project and to keep you informed of project progress.

The project has secured a contract to sell power to the Ontario Power Authority under the Feed-In-Tariff program for a maximum nameplate capacity of 30 MW of combined electricity output. The make and model of the turbine has not yet been established; we anticipate that South Branch Wind Farm will consist of a maximum of 15 wind turbines, each with a hub height of no more than 140 m and rotor diameter of 103 m for a total maximum turbine height of 191.5 m.

Further details of the project can be found within the attached *DRAFT Project Description Report*, which is provided for your review and comment. This report has not yet been made public, but will be shortly. Once released to the public, it will be available for download on our website at http://www.prowind.ca/?page=projects-south-branch.

Within the report are the comments that you had requested we include, stating that the project is proposed to be built within traditional Algonquin territory. At that time, you had indicated that so long as these comments were included, the Algonquins and yourself would not need to provide further commentary on the project. Please confirm that this is still the case.

In any event, to foster good relations and open communication lines with the Algonquin communities, we kindly ask that you share this report with the communities that you represent.

Combined with this project report, we have provided a copy of the Notice of Proposal and Notice of Public Meeting for the South Branch Wind Farm. As stated within the Notice, we are planning a

public information session for the South Branch Wind Farm to occur on August 11, 2010 near the project location. We hope you can join us at this event.

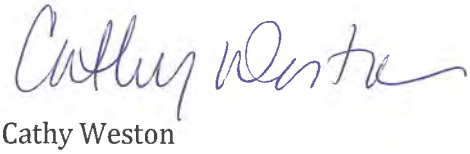
We would be happy to meet with you to introduce ourselves and discuss the project, either at this public meeting, or at a separate time and venue that is mutally convenient.

If you have any concerns about this project or are aware of any adverse impacts this project may have on Aboriginal treaty rights, please provide us with your written comments so that we may address them directly. If no response has been received by August 31, 2010, we will interpret this to indicate that you have no concerns with the proposed wind farm project.

We hope this letter and the accompanying detail provides you with sufficient information to assess our project and look forward to positive, ongoing discussions. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress.

We look forward to working with you and the Algonquin communities as we move towards developing more renewable energy sources for Ontario.

Kind regards,



Cathy Weston
Prowind Canada Inc.

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Web: www.prowind.ca

June 21, 2010

Algonquins of Ontario
Consultation Office
31 Riverside Drive
Suite 101
Pembroke, Ontario K8A 8R6

Attention: **Economic Development Officer**
Reference: **South Branch Wind Farm Project Description Report – DRAFT**
Notice of Proposal and Notice of Public Meeting

Dear Sir or Madam,

Prowind Inc. (Prowind) is a Canadian wind energy development company established in 2007. Prowind is proposing the South Branch Wind Farm to be located in eastern Ontario, near the villiages of Brinston and Dixon's Corners, within the Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, in the Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville. We are aware that the Algonquins of Ontario may have links with the lands we are considering and we would therefore like to hear your perspectives on the proposed project and would like to keep you informed on the progress.

The project has secured a contract to sell power to the Ontario Power Authority under the Feed-In-Tariff program for a maximum nameplate capacity of 30 MW of combined electricity output. Though the make and model of the turbine has not yet been established, we anticipate that South Branch Wind Farm will consist of a maximum of 15 wind turbines, each with a hub height of no more than 140 m and rotor diameter of 103 m for a total maximum turbine height of 191.5 m.

Further details of the project can be found within the attached *DRAFT Project Description Report*, which is provided for your review and comment. This report has not yet been made public, but will be shortly. Once released to the public, it will be available for download on our website at http://www.prowind.ca/?page=projects-south-branch.

Combined with this project report, we have provided a copy of the Notice of Proposal and Notice of Public Meeting for the South Branch Wind Farm. As we value the feedback received on the project proposal, we kindly ask that you share this notice with other members of your community, perhaps a posting on a public notice board if one exists. As stated within the Notice, we are planning a public information session for the South Branch Wind Farm to occur on August 11, 2010 near the project location. We hope you can join us at this event.

We would be happy to meet with you to introduce ourselves and discuss the project, either at this public meeting, or at a separate time and venue that is mutally convenient.

If you have any concerns about this project or are aware of any adverse impacts this project may have on your Aboriginal treaty rights, please provide us with your written comments so that we may address them directly. If no response has been received by August 31, 2010, we will interpret this to indicate that you have no concerns with the proposed wind farm project.

We hope this letter and the accompanying detail provides you with sufficient information to assess our project and look forward to positive, ongoing discussions between the Algonquins of Ontario and Prowind. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress.

We look forward to working with you and the Algonquins of Ontario community as we move towards developing more renewable energy sources for Ontario.

Kind regards,

Cathy Weston
Prowind Canada Inc.

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 7, 2011

Algonquins of Ontario
Consultation Office
31 Riverside Drive, Suite 101
Pembroke, ON K8A 8R6

Attention: **Ms. Janet Restoule**
Reference: **South Branch Wind Farm Draft REA Review**

Dear Ms. Restoule,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are provided to you on the enclosed CD. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines near the community of Brinston, Ontario. Each turbine will have a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additonal details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed, this inlcudes Archaeology and Heritage Impact studies. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the majority of the review process.

We wanted to provide you with the REA earlier rather than later, even considering the omission of the cultural heritage studies. These studies are likely of interest to you and your community and will be forwarded to your office as soon as they are available. The archeaology study requires very good visibility of the overturned soil and will therefore require the snow to melt before it can be completed. We anxiosuly await this weather as we are eager to complete these studies. Thank you for your understanding.

We hope this letter and the accompanying reports provide you with sufficient information to begin your assessment of our project and we look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,

R. Rumney

Rochelle Rumney
Environmental Coordinator
(905)745-4719
rrumney@prowind.ca

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 7, 2011

JP2G Consultants Inc.
12 International Drive
Pembroke, ON K8A 8R6

Attention: **Jim Hunton, President**
Reference: **South Branch Wind Farm Draft REA Review**

Dear Mr. Hunton,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are provided to you on the enclosed CD. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines near the community of Brinston, Ontario. Each turbine will have a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additional details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed, this includes Archaeology and Heritage Impact studies. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the majority of the review process.

We wanted to provide you with the REA earlier rather than later, even considering the omission of the cultural heritage studies. These studies are likely of interest to you and your community and will be forwarded to your office as soon as they are available. The archeaology study requires very good visibility of the overturned soil and will therefore require the snow to melt before it can be completed. We anxiously await this weather as we are eager to complete these studies. Thank you for your understanding.

We hope this letter and the accompanying reports provide you with sufficient information to begin your assessment of our project and we look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,
Rochelle Rumney
Environmental Coordinator
(905)745-4719
rrumney@prowind.ca

Algonquins of Ontario

September 2, 2011

Cathy Weston
Prowind Canada
226 1/2 James St. N, Unit A
Hamilton, ON L8R 2L3

BY EMAIL ONLY cweston@prowind.ca

Dear Ms. Weston,

Subject: ProWind Canada Proposed Windfarms – South Branch (Our File CP 29-9)

Thank you for your email correspondence to Jim Hunton dated August 5, 2011 providing an update on the publication of the draft Reports for the Environmental Assessment at South Branch Wind Farm.

In order to facilitate our review of the draft Reports we would appreciate hard copies of these reports to be posted to our office at the following address:

Algonquins of Ontario Consultation Office
31 Riverside Drive, Suite 101
Pembroke, Ontario K8A 8R6

We are also seeking confirmation that the draft Reports have been amended in keeping with our request as outlined in the letter submitted by Robert J. Potts, Principal Negotiator on behalf of the Algonquins of Ontario dated August 31, 2009 (see Attachment 1).

Please also confirm that the location of the proposed project site, access road infrastructure and transmission lines are also not located on either Federal or Provincial Crown lands.

We sincerely look forward to your attention to these matters.

Sincerely,

Janet Stavinga

Janet Stavinga
Executive Director

Attachment: Letter from R.J. Potts, Principal Negotiator (AOO) dated August 31, 2009

c.c. Jim Hunton, Jp2g Consultants Inc., Technical Advisor -AOO

226 ½ James Street North
Unit A
Hamilton, Ontario L8R 2L3

Phone: 905.528.1747
Fax: 866.203.6516
Email: info@prowind.ca

September 6, 2011

Ms. Janet Stavinga
Executive Director
Algonquins of Ontario Consultation Office
31 Riverside Drive, Suite 101
Pembroke, ON K8A 8R6

Re: Prowind Canada Proposed South Branch Wind Farm

Dear Ms. Stavinga,

Thank you for your letter and subsequent emails from September 2, 2011 in response to the Draft REA package that was provided to you in regards to South Branch Wind Farm, located near Brinston, Ontario.

Per your request, I have enclosed hard copies of the Draft Project Description Document (Version 3) as well as the current Draft Archaeological and Heritage Assessment Report for South Branch Wind Farm. These and other documents forming the Draft REA package were released for public review on July 31, 2011 and are available for download on our project website at: www.prowind.ca/?page=projects-south-branch.

Per my earlier email confirmation, no part of the project, its infrastructure, or transmission lines is planned to exist on Federal or Provincial Crown Lands. Further, your requested amendment to the Draft Project Description Report is available for your review in section 4.7.3 (Archaeological and Heritage Resources), on page 28.

Please let me know if there is any further information that would assist in your review of the proposed project, and if upon further review you identify any elements of the project that cause concern for you or your community.

Sincerely,

Cathy Weston
Managing Director

226 ½ James St. N., Unit A
Hamilton, ON L8R 2L3
Phone: 905.258.1747
Fax: 866.203.6516
Email: info@prowind.ca
Web: www.prowind.ca

Algonquins of Ontario
Consultation Office
31 Riverside Drive, Suite 101
Pembroke, ON K8A 8R6

November 4, 2011

Attn: Janet Stavinga, Executive Director

Re: South Branch Wind Farm Draft Renewable Energy Approval Reports

Dear Ms. Stavinga,

We are writing to provide an update on the South Branch Wind Farm. In June 2010, Prowind released a *Draft Project Description Report* for the South Branch Wind Farm for your review. Since then, we have been hard at work preparing an application for Renewable Energy Approval. We are pleased to present you with a final draft version for your review and comment. Attached to this letter are several reports and summaries of reports in the form of posters. These are described in detail below. Prowind has received your feedback to date on this project and we are aware that you have not identified any specific concerns up to this point. We do want to keep you updated and informed of the process and we value any feedback that you may have at this point in the process.

Prowind is planning several more public information sessions for the South Branch Wind Farm. Combined with these reports and summaries, we have provided a copy of the Notice of Public Meeting for these remaining meetings. As we value the feedback received on the project, we kindly ask that you share this notice with other members of your community, perhaps a posting on a public notice board if one exists. As stated within the Notice, we are planning public information sessions near the project location on the following dates: December 12th, 2011, January 10th, 2012, and January 11th, 2012. We hope you can join us at one or more of these events.

We would be happy to meet with you to discuss the project, either at the upcoming public meetings, or at a separate time and venue that is mutually convenient.

Below is a summary of our company and the proposed wind farm project and the reports we have prepared for the Renewable Energy Approval for the South Branch Wind Farm.

Background:

Prowind Inc. (Prowind) is a Canadian wind energy development company established in 2007. Prowind is proposing the South Branch Wind Farm to be located near the villages of Brinston and Dixon's Corners, within the Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, in the Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville.

The project has secured a contract to sell power to the Ontario Power Authority under the Feed-in Tariff program for a maximum nameplate capacity of 30 MW of combined electrical output.

Further details of the project can be found within the attached:

- **Summary:** Welcome, and South Branch Details Posters
- **Report:** *Draft Project Description Report*

Technology:

The make and model of the turbine has not yet been established; we anticipate that the South Branch Wind Farm will consist of a maximum of 14 wind turbines, each with a hub height of no more than 140 m and rotor diameter of 118 m for a total maximum turbine height of 199 m. Details regarding the turbine technology to be used can be found in the following attached documents:

- **Summary:** Technology Poster
- **Report:** *Turbine Specifications Report*

Archaeology and Heritage:

In order to ensure that the South Branch Wind Farm will not disturb any local archaeological or heritage features, archaeological and heritage studies were performed. Details regarding these surveys can be found within the attached:

- **Summary:** Archaeology and Heritage Poster
- **Report:** *Archaeology and Heritage Assessment Report*

Noise:

The Ontario Ministry of the Environment has established guidelines for sound level limits on wind farms. Using these guidelines, Prowind will perform noise modeling to ensure that the noise level at each receptor will not exceed 40 A-weighted decibels (dB(A)). A noise report for the maximum turbine dimensions has been completed and is available in Appendix C of the Design and Operations Report. A final noise report will be completed once turbine specifications have been finalized. For details, see the attached:

- **Summary:** Noise Regulation Poster
- **Report:** Design & Operations Report, Appendix C: Noise Assessment Report

Radar and Telecommunication:

Prowind has performed studies to determine whether the South Branch Wind Farm will cause interference with existing radar and telecommunication systems. Details can be found in the following attached documents:

- **Summary:** Radar and Telecommunication Poster
- **Report**: Design and Operations Report, Appendix F: Radio Communication, Radar and Seismoacoustic System Impact Assessment Report,

Construction Activities:

The construction activities are described in the following attached documents:

- **Summary:** Construction Activities Poster
- **Report:** *Construction Plan Report*

Operations and Decommissioning:

Prowind has studied all aspects of the operations and decommissioning of the South Branch Wind Farm. These details are laid out in the following attached documents:

- **Summary:** Wind Farm Operation
- **Reports:** *Design and Operations Report, Decommissioning Report*

Natural Environment:

Prowind has studied the land proposed to make up the South Branch Wind Farm as well as lands surrounding the project. Prowind performed studies investigating the amphibians, reptiles, bats, birds, aquatic environments, and any woodlot, wetland or other natural feature in the area. These studies allowed Prowind to ensure that the project components were sited to minimize any environmental effects.

In order to ensure that the South Branch Wind Farm meets its environmental and social expectations, post-construction monitoring will be undertaken. This monitoring includes not only birds, bats, and water quality, but sound and television reception as well.

Detailed results of these studies and the post-construction monitoring are presented in the following attached documents:

- **Summary:** Amphibians Poster, Aquatic Habitats Poster, Bats Poster, Birds Poster, Post-Construction Monitoring Poster
- **Reports:** *Natural Heritage Assessment Report, Water Assessment Report*

This summary is provided to keep you up to date on the project progress and extend the invitation to our upcoming open houses. And to provide opportunity for any additional comments you may have in regards to this project.

We hope that this letter and the accompanying attachments provide you with sufficient information to assess our project. We look forward to positive, ongoing discussions between the Algonquins of Ontario Council and Prowind. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress.

If you do have comments on the proposed project, please provide them in writing before the final public meeting date of January 11, 2012.

We look forward to working with you and the Algonquins of Ontario as we move towards more renewable energy sources for Ontario.

Kind regards,

Rochelle Rumney
Prowind Canada Inc.

Cc: Jim Hunton, Jp2g Consultants Inc., 12 International Dr., Pembroke ON K8A 6W5

226 ½ James St. N., Unit A
Hamilton, ON L8R 2L3
Phone: 905.258.1747
Fax: 866.203.6516
Email: info@prowind.ca
Web: www.prowind.ca

Algonquins of Ontario

C/o Jp2g Consultants Inc.
12 International Drive
Pembroke, ON K8A 6W5

November 4, 2011

Attn: Jim Hunton, Vice President

Re: South Branch Wind Farm Draft Renewable Energy Approval Reports

Dear Mr. Hunton,

We are writing to provide an update on the South Branch Wind Farm. In June 2010, Prowind released a *Draft Project Description Report* for the South Branch Wind Farm for your review. Since then, we have been hard at work preparing an application for Renewable Energy Approval. We are pleased to present you with a final draft version for your review and comment. Attached to this letter are several reports and summaries of reports in the form of posters. These are described in detail below. Prowind has received your feedback to date on this project and we are aware that you have not identified any specific concerns up to this point. We do want to keep you updated and informed of the process and we value any feedback that you may have at this point in the process.

Prowind is planning several more public information sessions for the South Branch Wind Farm. Combined with these reports and summaries, we have provided a copy of the Notice of Public Meeting for these remaining meetings. As we value the feedback received on the project, we kindly ask that you share this notice with other members of your community, perhaps a posting on a public notice board if one exists. As stated within the Notice, we are planning public information sessions near the project location on the following dates: December 12th, 2011, January 10th, 2012, and January 11th, 2012. We hope you can join us at one or more of these events.

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The project has secured a contract to sell power to the Ontario Power Authority under the Feed-in Tariff program for a maximum nameplate capacity of 30 MW of combined electrical output.

Further details of the project can be found within the attached:

- **Summary:** Welcome, and South Branch Details Posters
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Technology:

The make and model of the turbine has not yet been established; we anticipate that the South Branch Wind Farm will consist of a maximum of 14 wind turbines, each with a hub height of no more than 140 m and rotor diameter of 118 m for a total maximum turbine height of 199 m. Details regarding the turbine technology to be used can be found in the following attached documents:

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If you do have comments on the proposed project, please provide them in writing before the final public meeting date of January 11, 2012.

We look forward to working with you and the Algonquins of Ontario as we move towards more renewable energy sources for Ontario.

Kind regards,

Rochelle Rumney
Prowind Canada Inc.

Cc: Jim Hunton, Jp2g Consultants Inc., 12 International Dr., Pembroke ON K8A 6W5

APPENDIX I4

CONSULTATION WITH MÉTIS NATION OF ONTARIO

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Web: www.prowind.ca

June 21, 2010

Ottawa Regional Métis Council
1938 Ranchwood Way
Ottawa, Ontario K1C 7K7

Attention: Mr. Robert Pellerin, President
Reference: South Branch Wind Farm Project Description Report
Notice of Proposal and Notice of Public Meeting

Dear Mr. Pellerin,

Prowind Inc. (Prowind) is a Canadian wind energy development company established in 2007. Prowind is proposing the South Branch Wind Farm to be located located in eastern Ontario, near the villiages of Brinston and Dixon's Corners, within the Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, in the Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville. Prowind is aware that the Ottawa Regional Métis Council may have links with the lands we are considering and we would therefore like to hear your perspectives on the proposed project and would like to keep you informed on the progress.

The project has secured a contract to sell power to the Ontario Power Authority under the Feed-In-Tariff program for a maximum nameplate capacity of 30 MW of combined electricity output. The make and model of the turbine has not yet been established; we anticipate that South Branch Wind Farm will consist of a maximum of 15 wind turbines, each with a hub height of no more than 140 m and rotor diameter of 103 m for a total maximum turbine height of 191.5 m.

Further details of the project can be found within the attached *DRAFT Project Description Report*, which is provided for your review and comment. This report has not yet been made public, but will be shortly. Once released to the public, it will be available for download on our website at http://www.prowind.ca/?page=projects-south-branch.

Combined with this project report, we have provided a copy of the Notice of Proposal and Notice of Public Meeting for the South Branch Wind Farm. As we value the feedback received on the project proposal, we kindly ask that you share this notice with other members of your community, perhaps a posting on a public notice board if one exists. As stated within the Notice, we are planning a public information session for the South Branch Wind Farm to occur on August 11, 2010 near the project location. We hope you can join us at this event.

We would be happy to meet with you to introduce ourselves and discuss the project, either at this public meeting, or at a separate time and venue that is mutally convenient.

If you have any concerns about this project or are aware of any adverse impacts this project may have on your Aboriginal treaty rights, please provide us with your written comments so that we

may address them directly. If no response has been received by August 31, 2010, we will interpret this to indicate that you have no concerns with the proposed wind farm project.

We hope this letter and the accompanying detail provides you with sufficient information to assess our project and look forward to positive, ongoing discussions between the Ottawa Regional Métis Council and Prowind. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress.

We look forward to working with you and the Ottawa Regional Métis Council community as we move towards developing more renewable energy sources for Ontario.

Kind regards,

Cathy Weston
Prowind Canada Inc.

210 Prescott St, Suite 3
P.O. Box 1678
Kemptville, ON K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Web: www.prowind.ca

June 21, 2010

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

Attention: **Mr. Gary Lipinski, President**
Reference: **South Branch Wind Farm Project Description Report**
Notice of Proposal and Notice of Public Meeting

Dear Mr. Lipinski,

Prowind Inc. (Prowind) is a Canadian wind energy development company established in 2007. Prowind is proposing the South Branch Wind Farm to be located located in eastern Ontario, near the villiages of Brinston and Dixon's Corners, within the Township of South Dundas, United Counties of Stormont, Dundas and Glengarry; and east of Shanly, in the Township of Edwardsburgh/Cardinal, United Counties of Leeds & Grenville. Prowind is aware that the Métis Nation of Ontario may have links with the lands we are considering and we would therefore like to hear your perspectives on the proposed project and would like to keep you informed on the progress.

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We look forward to working with you and the Métis Nation of Ontario community as we move towards developing more renewable energy sources for Ontario.

Kind regards,

Cathy Weston
Prowind Canada Inc.

the Métis Nation of Ontario

July 2, 2010

Cathy Weston
Prowind Canada Inc.
P.O. Box 1678
Kemptville, ON K0G 1J0
613.258.6700 (t)
613.258.6722 (f)
cweston@prowind.ca

Dear Cathy Weston:

Subject: South Branch Wind Farm – Brinston and Dixon's Corners - ProWind

The Métis Nation of Ontario would like to confirm receipt of South Branch Wind Farm project located in the Brinston and Dixon's Corners area. Although this letter confirms receipt of said documentation, it does not confirm that consultation between you, the proponent, the Métis Nation of Ontario (MNO) and the local Métis community who may be affected has taken place. It is within the Métis Nation of Ontario's rights, not that of the proponent, to determine if any potential impacts exist within a project and if consultation is required.

Bellow represent the steps in which the MNO and its regional consultation committees follow to ensure that Métis rights are being observed.

1. Pre-Consultation
    a. Trigger for Consultation
    b. Notice to Métis Nation of Ontario and regional communities
    c. Assessment by Métis
    d. Métis Response
2. Consultation (*if determined necessary by the MNO and/or the regional Consultation Committee*)
    a. Determine funding and capacity requirements for Meeting
    b. Exchange of Information
    c. MNO and the Consultation Committee assess the potential impacts
3. Accommodation (*if determined necessary by the MNO and/or the regional Consultation Committee*)
    a. Develop an Impact Benefit Agreement
    b. Set Mitigations and Accommodations

Currently the project documentation is being reviewed, assessed and disseminated to surrounding councils of interest. Upon review of the documentation the MNO will inform you how they will like to proceed. Please note that our rate of response is determined by the number of notices that we receive. Even if you do not receive a response letter, it does not exhibit the MNO's interest or the need to enter into consultation. The MNO would kindly request that you continue to keep us informed of your timeline, EA bench marks and any new developments that may arise during the progress of your project.

In future engagements with the Métis it is important to consider that the Métis Community Councils 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 moving forward, the Métis Nation of Ontario would like to confirm that ProWind will pay close attention to these very important Métis interests:

1. Water Quality
    a. fish habitats including spawning potential
    b. drink ability
    c. impacts downstream
    d. pollution including cumulative effects
    e. groundwater
    f. monitoring
2. Wildlife
    a. flora and fauna populations
    b. consider endangered/threatened species
    c. harvesting including hunting and the picking traditional plants
    d. biodiversity initiatives
    e. monitoring
3. Aboriginal Interests
    a. who and how have the aboriginal people in Ontario been consulted
    b. have any aboriginal sensitive areas been recognized on or around the study area
    c. is there any additional traditional and technical knowledge of the study or surrounding area
4. The Study Area
    a. does any crown land exist within the study area
    b. what type of land exists within the study area (ie. Wooded lots, agriculture)
5. Air Quality
    a. pollution during construction, operation, decommissioning and abandonment

Information regarding the Métis Way of Life, the Duty to Consult and the Métis Nation of Ontario's regional Consultation Protocols are available at www.metisnation.org/consultations/ . This link outlines the general process and key elements for effective consultation with the Métis in Ontario.

We look forward to continuing to build and develop this positive relationship in the future.

Yours truly,

_____

James Wagar,
Consultation Coordinator, Lands, Resources and Consultation, Métis Nation of Ontario
75 Sherbourne St., Suite 222
Toronto, Ontario M5A 2P9
Tel: 416.977.9881 ext.107
JamesW**@metisnation.org**

the Métis Nation of Ontario

December 3rd, 2010

ProWind Canada Inc.

Cathy Weston
ProWind Canada Inc.
P.O. Box 1678
Kemptville, Ontario K0G 1J0
Tel. 613-258-6700
Fax. 613-258-6722
cweston@prowind.ca

Subject: SOUTH BRANCH WIND FARM

Cathy Weston:

As you know, the Métis are one of three Aboriginal peoples in Canada, whose rights; interests and way of life are constitutionally protected under section 35 of the Constitution Act 1982. The Crown has a duty to consult the Métis before making a decision, taking an action or issuing an approval that could impact rights, interests or way of life.

The Métis Nation has Aboriginal rights in the lands, waters and natural resources within the area where this Project is located. The rights are held as collective rights, by the rights-bearing Métis community, as represented by the Métis Nation of Ontario ("MNO").

The MNO along with the Region 6 Protocol Agreement Consultation Committee ("the Committee") have had an opportunity to review the project information. Based on the information provided and under the stipulations that:

1. The project proceeds as presented in the provided notice documentation.

2. ProWind Canada Inc. regularly informs the MNO of the project's progress, EA bench marks and any new developments.

3. The MNO and the Committee may request additional project information at any time.

4. A meeting to obtain additional information remains available as an option for the MNO and the Committee.

The MNO and the Committee believes that should the project proceed there would be no immediate adverse impacts to Métis rights, culture or way of life.

the Métis Nation of Ontario

Please be aware that the rights-bearing Métis communities are regional in size and scope and our traditional territories are expansive. Therefore, we recommend and appreciate early notification when potential projects are identified, as there may be a number of MNO Community Councils involved for a single project location. MNO will be pleased to assist in determining which Community Councils and other governance structures within the MNO should be notified to ensure all citizens of the potentially affected rights-bearing Métis community have the opportunity to be consulted.

Going forward, we wish to stress that the MNO and its Community Councils wish to fully participate in consultation processes, but we currently have no capacity to review complex documents or to mount effective consultation without appropriate time and assistance. We receive many notices, almost all of which propose to affect our Aboriginal rights and many of which involve complex and far-reaching initiatives. A response, much less a timely one, is often problematic under these conditions, which we hope to change. The courts have made it clear, however, that when our Aboriginal rights may be affected, we must be engaged early and in a meaningful way, for consultation to have taken place.

The attached PDF file titled, "MNO - Duty to Consult", outlines the general process and key elements for effective consultation with the Métis in Ontario. We hope that it may be useful to you, should you undertake other projects within the Métis Nation of Ontario. Additional information regarding the Métis Way of Life, the Duty to Consult and the MNO's regional Consultation Protocols are available at www.metisnation.org/programs/lands,-resources--consultations.aspx. This link outlines the general process and key elements for effective consultation with the Métis in Ontario.

If you have any questions regarding this letter, please contact the staff support person for this file: James Wagar at 416-977-9881 ext 107 or jamesw@metisnation.org.

We look forward to continuing to build and develop this positive relationship in the future.

Deepest Regards,

_____

James Wagar
Consultation Assessment Coordinator
Lands Resources and Consultations
Métis Nation of Ontario

P.O. Box 1678
215 Sanders St. Suite 304
Kemptville, ON
K0G 1J0
Phone: 613-258-6700
Email: info@prowind.ca
Website: www.prowind.ca

January 7, 2011

Métis Nation of Ontario
75 Sherbourne St., Suite 222
Toronto, ON M5A 2P9

Attention: **James Wagar, Consultation Assessment Coordinator**
Reference: **South Branch Wind Farm Draft REA Review**

Dear Mr. Wagar,

We are pleased to present you with the South Branch Wind Farm Draft Renewable Energy Approval Renewable Energy Approval (REA) dated November 30, 2010, for your review.

To save paper during draft review, no hard copy of the report has been prepared; instead, the reports are provided to you on the enclosed CD. If a hard copy of the report is preferred, please let us know and we will provide one.

The South Branch Wind Farm is a 30 MW project that will consist of a maximum of 15 wind turbines near the community of Brinston, Ontario. Each turbine will have a maximum hub height of 140 metres and maximum rotor diameter of 116 meters. A Feed-In-Tariff (FIT) contract has been secured to sell this power to the Ontario Power Authority. All additional details can be found within the REA reports.

We have provided you with a nearly complete draft REA package; due to various weather conditions, the cultural heritage assessment has not been completed, this includes Archaeology and Heritage Impact studies. This will be completed as soon as seasonally possible. Hopefully, this omission does not impact the majority of the review process.

We wanted to provide you with the REA earlier rather than later, even considering the omission of the cultural heritage studies. These studies are likely of interest to you and your community and will be forwarded to your office as soon as they are available. The archeaology study requires very good visibility of the overturned soil and will therefore require the snow to melt before it can be completed. We anxiously await this weather as we are eager to complete these studies. Thank you for your understanding.

We hope this letter and the accompanying reports provide you with sufficient information to begin your assessment of our project and we look forward to your feedback. Thank you for your ongoing consultation and cooperation. If you have questions or comments or would like to meet with us, please do not hesitate to let us know.

Sincerely,
Rochelle Rumney
Environmental Coordinator
(905)745-4719
rrumney@prowind.ca

226 ½ James St. N., Unit A
Hamilton, ON L8R 2L3
Phone: 905.258.1747
Fax: 866.203.6516
Email: info@prowind.ca
Web: www.prowind.ca

Métis Nation of Ontario
75 Sherbourne St., Suite 222
Toronto, ON M5A 2P9

November 4, 2011

Attn: James Wagar, Consultation Assessment Coordinator

Re: South Branch Wind Farm Draft Renewable Energy Approval Reports

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- **Report:** *Archaeology and Heritage Assessment Report*

Noise:

The Ontario Ministry of the Environment has established guidelines for sound level limits on wind farms. Using these guidelines, Prowind will perform noise modeling to ensure that the noise level at each receptor will not exceed 40 A-weighted decibels (dB(A)). A noise report for the maximum turbine dimensions has been completed and is available in Appendix C of the Design and Operations Report. A final noise report will be completed once turbine specifications have been finalized. For details, see the attached:

- **Summary:** Noise Regulation Poster
- **Report:** Design & Operations Report, Appendix C: Noise Assessment Report

Radar and Telecommunication:

Prowind has performed studies to determine whether the South Branch Wind Farm will cause interference with existing radar and telecommunication systems. Details can be found in the following attached documents:

- **Summary:** Radar and Telecommunication Poster
- **Report**: Design and Operations Report, Appendix F: Radio Communication, Radar and Seismoacoustic System Impact Assessment Report,

Construction Activities:

The construction activities are described in the following attached documents:

- **Summary:** Construction Activities Poster
- **Report:** *Construction Plan Report*

Operations and Decommissioning:

Prowind has studied all aspects of the operations and decommissioning of the South Branch Wind Farm. These details are laid out in the following attached documents:

- **Summary:** Wind Farm Operation
- **Reports:** *Design and Operations Report, Decommissioning Report*

Natural Environment:

Prowind has studied the land proposed to make up the South Branch Wind Farm as well as lands surrounding the project. Prowind performed studies investigating the amphibians, reptiles, bats, birds, aquatic environments, and any woodlot, wetland or other natural feature in the area. These studies allowed Prowind to ensure that the project components were sited to minimize any environmental effects.

In order to ensure that the South Branch Wind Farm meets its environmental and social expectations, post-construction monitoring will be undertaken. This monitoring includes not only birds, bats, and water quality, but sound and television reception as well.

Detailed results of these studies and the post-construction monitoring are presented in the following attached documents:

- **Summary:** Amphibians Poster, Aquatic Habitats Poster, Bats Poster, Birds Poster, Post-Construction Monitoring Poster
- **Reports:** *Natural Heritage Assessment Report, Water Assessment Report*

This summary is provided to keep you up to date on the project progress and extend the invitation to our upcoming open houses. And to provide opportunity for any additional comments you may have in regards to this project.

We hope that this letter and the accompanying attachments provide you with sufficient information to assess our project. We look forward to positive, ongoing discussions between the Métis Nation of Ontario and Prowind. I am available to discuss this project with you and your council at any time and I will keep you updated on the various stages of the project as we progress.

If you do have comments on the proposed project, please provide them in writing before the final public meeting date of January 11, 2012.

We look forward to working with you and the Métis Nation of Ontario as we move towards more renewable energy sources for Ontario.

Kind regards,

Rochelle Rumney
Prowind Canada Inc.