

RENEWABLE ENERGY APPROVAL

CONSULTATION REPORT BORNISH WIND ENERGY CENTRE

JULY 2012





**RENEWABLE ENERGY APPROVAL
APPLICATION – CONSULTATION
REPORT**

**BORNISH WIND ENERGY CENTRE,
ONTARIO**

Client	NextEra Energy Canada, ULC
Contact	Adam Camp
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REVISION HISTORY

Issue	Issue Date	Summary
A	18 July 2012	Initial issue

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1 PREAMBLE

Bornish Wind LP is proposing to develop the Bornish Wind Energy Centre (the “Project”) which is subject to Ontario Regulation 359/09 (Renewable Energy Approvals (REA) [1] under Part V.0.1 of the Ontario Environmental Protection Act (EPA)) and Regulation 521/10 [2]. Bornish Wind LP was awarded a FIT Contract for this Project in July 2011 and is seeking a Renewable Energy Approval from the Ontario Ministry of the Environment (MOE). Bornish Wind LP is a wholly-owned subsidiary of NextEra Energy Canada ULC. The parent company of NextEra Energy Canada ULC is NextEra Energy Resources, LLC, with a current portfolio of nearly 8,800 operating wind turbines across North America.

This Project is considered to be a Class 4 Wind Facility. The Project is located in the Municipality of North Middlesex and is proposed to consist of 45, 1.62 MW turbines with a total nameplate capacity of up to 72.9 MW, though 48 turbine positions will be permitted.

This Consultation Report has been prepared in accordance with O. Reg. 359/09, the MOE’s “Technical Guide to Renewable Energy Approvals” (2011) [3] as well as the draft MOE Aboriginal Consultation Guide 2011 [4]. As per these guidelines, the following sections identify the various stakeholders for this Project (First Nations, public, municipalities, agencies), the consultation efforts undertaken, the issues or comments raised by these stakeholders and how these are addressed in the current REA application.

1.1 General Project Description

The proposed Project Study Area comprises two main parts, the Wind Energy Centre Study Area, which contains the wind farm itself and its associated infrastructure, and the Transmission Line Study Area, consisting of a proposed 115 kV transmission line to run from the Project’s switchyard and then to a Point of Common Coupling (PCC) on Hydro One’s 500 kV transmission line at the east end of the Transmission Line Study Area. It is important to note that the 115 kV line running from the switchyard to Hydro One’s existing 500 kV line is common to three of NextEra’s Projects, i.e. Adelaide, Bornish and Jericho Wind Energy Centres.

The Wind Energy Centre Study Area is located in south-western Ontario, in the Municipality of North Middlesex, Middlesex County, Ontario. More specifically, the Project is located south of Elginfield Road, east of Pete Sebe Road, north of Elmtree Drive and west of Fort Rose Road. The total Wind Energy Centre Study Area measures approximately 5,177 ha. Project components will be installed on privately-owned agricultural lots within this area, though it is anticipated that the Project’s collection system may be partially located on public rights-of-way. General geographic coordinates of the Wind Energy Centre Study Area are presented in Table 1-1.

Table 1-1: Geographic coordinates of the Wind Energy Centre Study Area

Site Location	Easting	Northing
Northwest corner	435927	4777569
Northeast corner	434798	4770596
Southwest corner	449163	4775470
Southeast corner	448036	4768497

The Project also comprises a proposed transmission route which is located to the north of the Wind Energy Centre Study Area and which crosses into the Municipality of North Middlesex. The transmission route is proposed to travel east along Elginfield and Nairn Roads within municipal rights-of-way to an existing Hydro One 500 kV transmission line. General natural heritage information in the vicinity of the transmission line route is provided in the Natural Heritage Assessment reports (to be submitted as part of the complete REA package).

The location of the Wind Energy Centre Study Area was defined early in the planning process for the proposed wind energy facility, based on the availability of the wind resource, approximate area required for the proposed Project, and availability of existing infrastructure for connection to the electrical grid. The Project Study Area was used to facilitate information collection and Records Review.

1.2 Contact Information

1.2.1 Project Proponent

The Project proponent is Bornish Wind LP, a developer of wind energy. The primary contact for Bornish Wind LP for this Project is:

Adam Camp
NextEra Energy Canada, ULC
North Service Road, Suite 205
Burlington, ON L7L 6W6
Phone 1-877-257-7330
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www.NextEraEnergyCanada.com
Bornish.Wind@NextEraEnergy.com

1.2.2 Project Consultant

GL Garrad Hassan inc., a member of the GL Group and part of the GL Garrad Hassan brand, (hereafter referred to as “GL GH”) has been retained to lead the REA Process for the Bornish Wind Energy Centre.

The Environmental and Permitting Services team of GL GH has completed mandates throughout Canada, the United States and in many other parts of the world. These mandates include permitting management, permit applications, environmental impact assessment, and various environmental studies for more than 15,000 MW of wind and solar-PV projects.

GL GH's environmental team is composed of over 20 environmental professionals, including environmental impact specialists, planners, GIS, technicians and engineers.

GL GH has no equity stake in any device or project. This rule of operation is central to its philosophy, distinguishing it from many other players and underscoring its independence.

GL GH's contact information is as follows:

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2 SUMMARY OF CONSULTATION ACTIVITIES AND TIMING

The Client has undertaken a thorough public consultation program in accordance with the requirements set out in *O.Reg. 359/09*. Table 2-1 below summarizes the consultation activities undertaken, in addition to the dates they were completed.

It is noted that the Bornish Wind Energy Centre has been in development since 2007 and has thus undergone provincial and federal-level consultations prior to the enactment of the REA process in 2009. Consequently, each of Sections 3 through 6 is structured in a way so as to reflect those consultation activities initiated prior to the adoption of the REA process, and those undertaken after its implementation.

Table 2-1: Summary of consultation activities and timing

Event/Activity	Date	Further Details
3 Aboriginal Consultations		
Refer to Aboriginal Consultation Report Appendix C	NA	NA
4 Public Consultations		
4.1.1 Pre-REA Environmental Assessment Process		
Notice of Commencement and Public Meeting #1	30 January 2008	Table 4-1
Public Meeting #1	20 February 2008	Table 4-1
4.1.2 Post-REA Environmental Assessment Process		
Project documents available for public review	29 October 2009	Table 4-2
Notice of Public Meeting #2	30 October 2009	Table 4-2
Public Meeting #2	5 January 2010	Table 4-2
Notice of First Public Meeting for the purposes of O. Reg. 359/09	10 October 2011	Table 4-2
First Public Meeting for the purpose of O.Reg. 359/09	10 November 2011	Table 4-2
Notice of Draft Site Plan	14 December 2011	Table 4-2
Tele Town Hall Meeting	19 June 2012	Table 4-2
Draft REA documents available for municipal review and	29 February 2012	Table 4-2

Event/Activity	Date	Further Details
submission of Municipal Consultation Form		
Posting and distribution of draft REA documents for public review and Notice of Final Public Meeting	9 May 2012	Table 4-2
Final Public Meeting	10 July 2012	Table 4-2
REA submission to MOE	25 July 2012	Table 4-2
5. Municipal Consultations		
5.1.1 Pre-REA Environmental Assessment Process		
Meeting with the township of Adelaide Metcalfe	16 November 2007	Table 5-1
Meeting with North Middlesex Staff and Mayor	26 November 2007	Table 5-1
Meeting with Adelaide Metcalfe Staff and Mayor	26 November 2007	Table 5-1
Meeting Adelaide Metcalfe Staff	5 May 2008	Table 5-1
Meeting with the township of Adelaide Metcalfe	24 October 2008	Table 5-1
Meeting with the Municipality of North Middlesex	12 December 2008	Table 5-1
Meeting with the Municipality of North Middlesex	21 January 2009	Table 5-1
Meeting with the Municipality of North Middlesex	12 May 2009	Table 5-1
Meeting with the township of Adelaide Metcalfe	24 June 2009	Table 5-1
5.1.2 Post-REA Environmental Assessment Process		
Meeting with the township of Adelaide Metcalfe	15 October 2009	Table 5-2
Meeting with the County of Middlesex	15 October 2009	Table 5-2
Meeting with the Municipality of North Middlesex	29 October 2009	Table 5-2
Meeting with the Municipality of North Middlesex	3 November 2009	Table 5-2
Meeting with the Municipality of North Middlesex	24 November 2009	Table 5-2

Event/Activity	Date	Further Details
Meeting with the township of Adelaide Metcalfe	24 November 2009	Table 5-2
Meeting with the County of Middlesex	24 November 2009	Table 5-2
Meeting with the Municipality of North Middlesex	18 December 2009	Table 5-2
Meeting with the County of Middlesex	21 December 2009	Table 5-2
Meeting with North Middlesex Staff	9 June 2011	Table 5-2
Meeting with County Planner/Engineer	1 September 2011	Table 5-2
Submittal of Municipal Consultation Form	17 October 2011	Table 5-2
North Middlesex Council Meeting	7 November 2011	Table 5-2
Meeting with North Middlesex Staff and Mayor	8 February 2012	Table 5-2
Meeting with County Engineer	8 February 2012	Table 5-2
6 Agency Consultation		
6.1.1 Pre-REA Environmental Assessment Process		
Ausable Bayfield Conservation Authority	3 December 2007	Table 6-1
Ministry of Natural Resources	21 January 2008	Table 6-1
Environment Canada – Environmental Assessment Unit	21 January 2008	Table 6-1
Environment Canada – Canadian Wildlife Services	21 January 2008	Table 6-1
Notice of Commencement to MOE	30 January 2008	Table 6-1
Indian and Northern Affairs Canada	4 February 2008	Table 6-1
Ausable Bayfield Conservation Authority	October 2008	Table 6-1
6.1.2 Post-REA Environmental Assessment Process		
Ministry of the Environment	16 October 2009	Table 6-2

Event/Activity	Date	Further Details
Environment Canada – Weather Radar	25 November 2009	Table 6-2
Ausable Bayfield Conservation Authority	1 December 2009	Table 6-2
Ministry of Natural Resources	4 December 2009	Table 6-2
Meeting with Ausable Bayfield Conservation Authority (ABCA) Staff	19 May 2011	Table 5-2
Meeting with MNR	25 July 2011	Table 6-2
Meeting with MNR	30 August 2011	Table 6-2
Notification of Project to National Defence and Canadian Forces (DND) – Military Radio-communications	5 October 2011	Table 6-2
Notification of project to National Defence and Canadian Forces (DND) – Air Defence, Navigation Aid and Major Military Installations	18 October 2011	Table 6-2
Notification of Project to Environment Canada (EC) – Meteorological Services of Canada	23 November 2011	Table 6-2
Submittal of Records Review to Ministry of Natural Resources (MNR)	12 January 2012	Table 6-2
Meeting with ABCA Property Committee	26 January 2012	Table 5-2
Submittal of Archaeological Assessment Reports for Parkhill Interconnect to MTCS	7 February 2012	Table 6-2
Submittal of Archaeological Assessment Reports for Project area to the Ministry of Tourism Culture and Sport (MTCS)	14 February 2012	Table 6-2
Meeting with Parkhill BIA	23 February 2012	Table 5-2
Submittal of Site Investigation to MNR	27 February 2012	Table 6-2
Submittal of Evaluation of Significance to MNR	27 February 2012	Table 6-2
Submittal of Environmental Impact Study to MNR	28 February 2012	Table 6-2
Meeting with the Middlesex Federation of Agriculture	5 April 2012	Table 5-2

Event/Activity	Date	Further Details
Meeting with Ausable Bayfield Conservation Authority	11 April 2012	Table 6-2
Notification of Project to Royal Canadian Mounted Police (RCMP) – Mobile Communications Services	9 May 2012	Table 6-2
Notification of Project to NAV CANADA – Aeronautical Information Services	5 June 2012	Table 6-2
Submission of Additional Archaeological Reports to MTCS for Parkhill POI	12 June 2012	Table 6-2
Submission of Additional Archaeological Reports to MTCS for Project area	27 June 2012	Table 6-2
Submittal of Natural Heritage Addendum to MNR	9 July 2012	Table 6-2

3 ABORIGINAL CONSULTATIONS

3.1 Correspondence and Consultations

NextEra has conducted ongoing consultation with Aboriginal Communities based on their First Nation and Métis Relationship Policy (detailed in the Aboriginal Consultation Report in Appendix C).

The Director’s List of Aboriginal Communities was received in March 2010 from the MOE. Although consultation with Aboriginal Communities had taken place prior to receiving the list, the information received from the MOE confirmed that NextEra had been consulting with all of the required Communities.

Details on Aboriginal Consultation Efforts are included as Appendix C of this report.

4 PUBLIC CONSULTATIONS

4.1 Public Notices and Meetings

4.1.1 Pre-REA Environmental Assessment Process

Table 4-1 provides details of the main consultation events undertaken during this period, as well as other relevant information.

Table 4-1: Pre-REA consultation log – Public

Event/Activity	Date	Location	Comment
Notice of Commencement and Public Meeting #1	30 January 2008-13 February 2008	<p>Published in the following:</p> <ul style="list-style-type: none"> • Parkhill Gazette, 30 January 2008, 7 February 2008 • Middlesex Banner 13 February 2008 (delayed due to a freeze) • Posted in Parkhill Library and Parkhill Arena, 30 January 2008 <p>Mailed to all residents within and adjacent to the study area, 30 January 2008</p>	See Appendix A for the Notice
Public Meeting #1	20 February 2008	West Williams Hall 3217 Kerwood Road Parkhill, ON	<p>The following were presented to the public:</p> <ul style="list-style-type: none"> • Display panels • Project information sheet • Comment forms

4.1.2 Post-REA Environmental Assessment Process

As per the REA process, the Proponent has held and is currently holding ongoing public consultation which includes notices, public events, and other activities. Table 4-2 provides details on main consultation events undertaken, as well as other relevant information.

It should be noted that the public meeting held in November 2011 was “common” to three projects and aimed at presenting not only these projects but also the common transmission line that is proposed to link

these projects to Hydro One’s network. This meeting should be considered as the First Public Meeting for the purpose of Part IV of O. Reg. 359/09. The Final Public Meeting took place on 10 July 2012.

Table 4-2: Post-REA consultation log – Public

Event/Activity	Date	Location	Comment
Documents Available for Public Review	29 October 2009	<ul style="list-style-type: none"> County of North Middlesex, 399 Ridout St North, London Township of Adelaide-Metcalf, 3270 Egremont Dr, Strathroy Municipality of North Middlesex, 229 Main Street, Parkhill Parkhill Library, 233 main St, Parkhill <p>Reports were also posted on website www.CanadianWindProposals.com</p>	<p>The following reports were made available:</p> <ul style="list-style-type: none"> Project Description Report Design and Operations Report Construction Plan Report <p>Decommissioning Plan Report</p>
Notice of Public Meeting #2	30 October 2009-30 December 2009	<p>Hand delivered to areas all residences within the study area, 30 October 2009</p> <p>Published in the following:</p> <ul style="list-style-type: none"> Middlesex Banner , 4 November 2009, 24 December 2009 Parkhill Gazette, 5 November 2009, 30 December 2009 	See Appendix A for the Notice
Public Meeting #2	5 January 2010	<p>North Middlesex District High school</p> <p>100 Main St. Parkhill</p> <p>Parkhill, ON</p>	<p>The following were presented to the public:</p> <ul style="list-style-type: none"> Display panels Project information sheet Comment forms
Notice of First Public Meeting for the purposes of O. Reg. 359/09	11 October 2011- 2 November 2011	<p>Sent via mail to every assessed landowner within the turbine siting areas and transmission line study areas.</p> <p>Published in the following:</p>	See Appendix A for the Notice

Event/Activity	Date	Location	Comment
		<ul style="list-style-type: none"> • London Free Press, 11 October and 2 November 2011 • Middlesex Banner, 12 October and 2 November 2011 • Parkhill Gazette (same dates) • Turtle Island News (same dates) • Exeter Times Advocate (same dates) • Forest Standard (same dates) • Lakeshore Advance (same dates) • Sarnia and Lambton County This Week (same dates) <p>Posted on project website</p>	
<p>First Public Meeting for the purposes of O. Reg. 359/09 – Covered Transmission Line and Adelaide, Bornish, and Jericho Wind Farms</p>	<p>10 November 2011</p>	<p>Ailsa Craig Community Centre, Municipality of North Middlesex</p>	<p>Meeting to account for First public meeting in the REA process. Material provided at this meeting included the PDRs for each project, maps of the projects and transmission lines, visual simulations, noise iso-contour maps, and other information boards on various environmental topics. See Appendix D for sample material provided during the meeting, the sign-in sheet and comment forms.</p>
<p>Notice of Draft Site Plan</p>	<p>14 December 2011</p>	<p>Published in the following:</p> <ul style="list-style-type: none"> • London Free Press, 14 December 2011 • Middlesex Banner (same date) • Turtle Island News (same date) • Parkhill Gazette, 15 December 2011 <p>Posted on project website</p>	<p>Public release of Draft site plan available 19 December 2011 at the following locations:</p> <ul style="list-style-type: none"> • Hard copies available at North Middlesex Municipal office • Electronically at www.nexteraenergycanada.com

Event/Activity	Date	Location	Comment
Telephone Town Hall Meeting	19 June 2012	Telephone meeting held for the communities of Arkona, Ailsa Craig and Parkhill.	2,530 outbound calls were made to cover all publically available phone numbers in the three noted communities. A total of 577 community members participated in the meeting and stayed on the phone for more than 1 minute.
Draft REA documents for municipal review	29 February 2012	Delivered to: <ul style="list-style-type: none"> • Municipality of North Middlesex • Middlesex County 	Hard copies of the following reports and a Municipal Consultation Form were provided to the Municipality of North Middlesex and Middlesex County for review. Packages included: <ul style="list-style-type: none"> • Draft Project description Report • Draft Construction Plan Report • Draft Design and Operations Report • Draft Decommissioning Plan Report • Draft Turbine Specification Report • Draft Archaeological Assessments • Draft Natural Heritage Assessments • Draft Cultural Heritage Assessment • Draft Water Assessments And Water bodies reports
Draft REA documents for public review and Notice of Final Public Meeting	9 May 2012	Delivered to: <ul style="list-style-type: none"> • Municipality of North Middlesex • Middlesex County Notice Published: <ul style="list-style-type: none"> • London Free press, 9 May 2012, 4 July 2012 • The Middlesex banner, 9 May 2012, 4 July 2012 • Parkhill Gazette, 9 May 2012, 4 July 2012 	Posting of Draft REA documentation and Notice of Final Public Meeting were available on 9 May 2012 and made available in hard copy at the Municipality of North Middlesex and Middlesex County as well as the company’s website at www.NextEraEnergyCanada.com The public consultation packages included the following: <ul style="list-style-type: none"> • Draft Project Description report • Draft Design and Operations

Event/Activity	Date	Location	Comment
		<ul style="list-style-type: none"> • Watford Guide Advocate, 9 May 2012, 4 July 2012 • Turtle Island News, 9 May 2012, 4 July 2012 	<p>Report</p> <ul style="list-style-type: none"> • Draft construction Plan report • Draft Decommissioning Plan Report • Draft Wind Turbine Specification Report • Natural Heritage Assessment reports • Draft Water assessment and Water body reports • Archaeological Assessments • Cultural Heritage Assessment • Final Public Meeting Notice • Agency Letters • Plain Language Summaries • Shadow Flicker Report • Turbine Visualizations
Final Public Meeting	10 July 2012	Ailsa Craig Community Center, 155 Annie Ada Shipley St, Municipality of North Middlesex	<p>Final public meeting in the REA process. Material provided at this meeting included,</p> <ul style="list-style-type: none"> • Complete REA reports • maps of the projects and transmission lines • visual simulations • Noise iso-contour maps • Shadow flicker report and illustration • Change summary report identifying changes made to project infrastructure and associated mapping • Other information boards on various environmental topics. <p>See Appendix D for sample material provided during the meeting, sign-in sheets and comment forms.</p>
REA submission	25 July 2012	Doris Dumais Director Approvals Section	Package Includes:

Event/Activity	Date	Location	Comment
to MOE		Ontario Ministry of the Environment 2 St Clair Ave. West Toronto, ON M4V 1M2 Kanina Blanchard District Manager London District 733 Exeter Rd London, ON N6E 1 L3 (519) 873-5031	<ul style="list-style-type: none"> • 2 hard copies of the REA documents to REA Director • 1 Digital copy of REA documents to REA Director • 1 hard copy of REA reports to nearest district office of the Ministry of Environment

4.2 Documents Made Available to the Public

For a complete list of documents made available to the public in accordance with the requirements of O. Reg. 359/09, refer to the notices of public meetings presented in Appendix A.

4.3 Feedback Received

Table 4-3 provides a summary of questions and comments received from the public, through comment forms, verbal communication, or other correspondence. Written submissions are included in Appendix D.

Table 4-3: Summary of common questions and comments – Public

	Comment	Correspondence	Response
1	When will NextEra Present a Final Transmission Line Route?	Comment form at public meeting	The final Transmission Line Route for the Projects will be presented 60 days prior to the Final Public Meeting.
2	Format of the Meeting as an Open House rather than Town Hall	Comment form at public meeting	Meetings structured in an Open House format often the most effective way to communicate a large amount of information to members of the community.
3	Stray Voltage and its Potential Effects on Livestock	Comment form at public meeting	<p>It is important to understand that stray voltage is not a consequence of wind energy, but rather of any project that changes the use pattern of the existing system.</p> <p>The turbines are therefore not the root of the problem, but like any change to the system may expose faults in that system. All types of generation (wind power included) must fully comply with utility requirements to ensure that the electricity they supply is compliant with grid standards.</p> <p>Stray voltage problems require on-site inspection for grounding problems, or examination of power quality issues with the distribution utility.</p>
4	Potential Effects on Property Values	Comment form at public meeting	Based on available research, NextEra is not aware of any credible evidence to indicate a decline in property value from the siting of a wind farm. Independent studies have been conducted by Ontario municipalities and leading universities, which have concluded that the construction of a wind facility does not detract from property values.
5	Potential Effects on Local Views (visual effects)	Comment form at public meeting	A Visual Impact Assessment for the Projects will be completed and made available for public review as part of the REA application. This assessment will use Geographic Information System (GIS) technology to identify areas of potential changes in the viewscape. As a result of the assessment, visualizations will be produced to simulate and communicate changes in the viewscape to interested members of the public.
6	Health Concerns Related to Wind Turbines	Comment form at public meeting	NextEra takes concerns about human health very seriously. Although much has been written about health effects associated with wind turbines, NextEra has found no credible, scientifically peer-reviewed study that demonstrates a link between wind turbines and negative health effects. On the contrary, the study

	Comment	Correspondence	Response
			<p>“Wind Turbine Sound and Health Effects: An Expert Panel Review” had the following key conclusions:</p> <ul style="list-style-type: none"> • Sound from wind turbines does not pose a risk of hearing loss or any other adverse health effect in humans. • Sub audible, low frequency sound and infrasound from wind turbines do not present a risk to human health. • Some people may be annoyed at the presence of sound from wind turbines. Annoyance is not a pathological entity. • A major cause of concern about wind turbine sound is its fluctuating nature. Some may find this sound annoying, a reaction that depends primarily on personal characteristics as opposed to the intensity of the sound level. <p>The full report can be found in the Canadian Wind Energy Association’s website: www.canwea.ca/pdf/talkwind/Wind_Turbine_Sound_and_Health_Effects.pdf and on www.NextEraEnergyCanada.com.</p>
7	Potential Effects on wildlife	Comment form at public meeting	<p>Potential effects to wildlife in the Project area are assessed in the Natural Heritage Assessment and Environmental Impact Study Report, which was submitted to and received sign-off from the Ministry of Natural Resources with respect to birds and bats in particular:</p> <ul style="list-style-type: none"> • When properly sited, wind turbines present less of a danger to birds than other structures common to the environment, such as buildings or roads. The location of turbines, as well as numerous other decisions associated with developing wind projects, is carefully designed to minimize any effects. As part of Ontario's REA process, NextEra is working with experts to assess the potential effects on local wildlife, including birds and bats. • As part of the facility siting and pre-construction activities, studies were completed to identify potential issues related to birds, bats and the selected site. The work plans and results were reviewed by the MNR as part of the approval of the REA application. • Biologists collect the following information on birds and bats in relation to the Project through field studies and consultation with government agencies and other environmental organizations: <ol style="list-style-type: none"> 1. Extent of natural features within the project area, with focus on Areas of Natural and Scientific Interest, wetlands, woodlands, and valleylands; 2. Existing records of species in the area; 3. Wildlife habitat and activity patterns for seasonal concentration areas, specialized wildlife habitats,

	Comment	Correspondence	Response
			<p>habitats for species of conservation concern, and potential wildlife movement corridors;</p> <p>4. Potential effects, mitigation measures, and monitoring requirements for any significant natural feature or wildlife habitat within the project area.</p> <ul style="list-style-type: none"> • In addition, biologists assess any nearby wetlands and determine permitting requirements relating to environmental protection. NextEra avoids or minimizes impacts to wetlands, a common habitat for many species of birds, and other environmentally sensitive areas during siting and layout of the Project. • Through these efforts, biologists can identify the: <ol style="list-style-type: none"> 1. Number and type of birds/bats present in the area; 2. Behaviour of birds/bats while they are present in the area; and, 3. Possible risk to birds/bats due to turbine collisions. • If issues are identified during the evaluation phase, NextEra takes corrective action, such as: <ol style="list-style-type: none"> 1. Moving proposed turbine locations to avoid significant wildlife habitats or to reduce potential strikes; 2. Establishing setbacks between turbines and wetlands; and, • NextEra will meet all of the requirements for conducting baseline wildlife, bird and bat studies, as described in O. Reg. 359/09 and set out in guidelines prepared by the Ministry of Natural Resources. <p>Finally, the Design and Operations Report includes an Environmental Effects Monitoring Plan (EEMP) to monitor potential impacts on bird and bat species during the first three years of commercial operation. The EEMP summarizes potential negative effects; identifies performance objectives with respect to the potential negative effects; describes mitigation measures to achieve the performance objectives; and commits to future monitoring to ensure the mitigation measures meet the performance objectives. NextEra will provide the monitoring results to the Ministry of Environment and Ministry of Natural Resources.</p>
8	Final Public Meeting	Comment form at public meeting	17 comment forms were submitted, 16 of which were excluded from this report due to unsuitable content and all of which noted general dislike of wind farm development in their community.

4.4 Consideration of Comments

Table 4-4 summarizes how the comments received from the public were considered in the Project design.

Table 4-4: Consideration of comments – Public

Issue Raised	Corresponding Comment(s)	Change Made to Project Design?	Rationale for No Change / Description of Change	Report Document(s) which Detail Change, if any	How Change will Address Issue
General concerns regarding wind farms	1-8	No	Changes not warranted based on comments submitted as they are general in nature and potential concerns had already been addressed through project design and related mitigation measures. A response letter was issued to members of the community providing further detail on their enquiries (Appendix D).	N/A	N/A

5 MUNICIPAL CONSULTATIONS

5.1 Meetings and Other Consultation Activities

5.1.1 Pre-REA Environmental Assessment Process

Table 5-1 provides details of the main consultation events undertaken during this period, as well as other relevant information.

Table 5-1: Pre-REA consultation log – Municipal

Event/Activity	Date	Location	Comment
Meeting with the township of Adelaide Metcalfe	16 November 2007	Adelaide Metcalfe Offices, Strathroy	Zoning By-law amendment application submitted to establish generic Zoning By-law regulations
Meeting with North Middlesex Staff and Mayor	26 November 2007	North Middlesex Offices, Parkhill	Introductory Presentation of Project and Q&A
Meeting with Adelaide Metcalfe Staff and Mayor	26 November 2007	Adelaide Metcalfe Offices, Starthroy	Introductory Presentation of Project and Q&A
Meeting Adelaide Metcalfe Staff	5 May 2008	Adelaide Metcalfe Offices, Strathroy	Public meeting to adopt generic wind energy Zoning By-law regulations
Meeting with the township of Adelaide Metcalfe	24 October 2008	Adelaide Metcalfe Offices, Strathroy	Zoning application submitted for Bornish substation
Meeting with the Municipality of North Middlesex	12 December 2008	North Middlesex Offices, Parkhill	Zoning By-law application and OMB hearing fees were discussed Discussion regarding costs of restoration of municipal works Discussion regarding payments to municipalities in lieu of taxes and how such payments would be made Discussion regarding dispute resolution protocol to deal with complaints
Meeting with the Municipality of North Middlesex	21 January 2009	North Middlesex Offices, Parkhill	Minutes of December 21 meeting revised by municipality

Meeting with the Municipality of North Middlesex	12 May 2009	North Middlesex Offices, Parkhill	Letter from municipality confirming that a sensitive receptor could not be built on cemetery located 1837 Bornish Drive
Meeting with the township of Adelaide Metcalfe	24 June 2009	Adelaide Metcalfe Offices, Strathroy	Zoning application returned for substation returned at proponents request – based on impending changes due to Green Energy Act

5.1.2 Post-REA Environmental Assessment Process

Table 5-2 provides details on main consultation efforts undertaken, as well as other relevant information.

Table 5-2: Post-REA consultation log – Municipal

Event/Activity	Date	Location	Comment
Municipal Consultation Forms			
Submittal of Municipal Consultation Form to North Middlesex	29 February 2012	Municipality of North Middlesex, Parkhill	The Municipality of North Middlesex has provided feedback to the Municipal Consultation Form and is included as Appendix E.
Other Municipal Consultation Activities			
Meeting with the township of Adelaide Metcalfe	15 October 2009	Adelaide Metcalfe Offices, Strathroy	Meeting with staff to discuss substation impacts on local services/infrastructure
Meeting with the County of Middlesex	15 October 2009	Middlesex Offices, London	Meeting with County Engineer to discuss impacts on roads
Meeting with the Municipality of North Middlesex	29 October 2009	North Middlesex Offices, Parkhill	Draft REA reports delivered to municipality
Meeting with the Municipality of North Middlesex	3 November 2009	North Middlesex Offices, Parkhill	Meeting to discuss draft REA reports and discuss municipal servicing and infrastructure issues
Meeting with the Municipality of North Middlesex	24 November 2009	North Middlesex Offices, Parkhill	Part A of REA Municipal Consultation Form completed and forwarded to municipality
Meeting with the township of Adelaide	24 November 2009	Adelaide Metcalfe Offices, Strathroy	Part A of REA Municipal Consultation Form completed and forwarded to municipality

Event/Activity	Date	Location	Comment
Metcalfe			
Meeting with the County of Middlesex	24 November 2009	Middlesex Offices, London	Part A of REA Municipal Consultation Form completed and forwarded to municipality
Meeting with the Municipality of North Middlesex	18 December 2009	North Middlesex Offices, Parkhill	Part B of the municipal consultation form completed by municipality and returned
Meeting with the County of Middlesex	21 December 2009	Middlesex Offices, London	Part B of the municipal consultation form completed by municipality and returned
Meeting North Middlesex Staff	9 June 2011	North Middlesex Offices, Parkhill	Project update and Q&A
Meeting with County Planner, Engineer	1 September 2011	Middlesex Offices, London	Project update (see meeting minutes in Appendix E)
Issued Project update letter to Municipality of North Middlesex	22 September 2011	Delivered North Middlesex offices, Parkhill	Project update information
North Middlesex Council Meeting	7 November 2011	North Middlesex Offices, Parkhill	Project update and introduction for new councilors
Meeting with North Middlesex staff and Mayor	8 February 2012	North Middlesex Offices, Parkhill	Review of municipal consultation and community vibrancy fund (see meeting minutes in Appendix E)
Meeting with the County Engineer	8 February 2012	Middlesex Offices, London	Project update and review of site layout (see meeting minutes in Appendix E)

5.2 Feedback Received

Feedback, questions, or comments were received from the municipalities through the Municipal Consultation Forms. The majority of comments are to be addressed once the project has been approved by the Province, through conditions of approval, and/or are not intended to be addressed until a future date prior to construction.

5.3 Consideration of Comments

No feedback, questions, or comments were received from the municipalities that are required to be addressed at this time. It is expected that the applicants will continue to liaise with both municipalities involved (North Middlesex, County of Middlesex) through ongoing staff and Council discussions to address matters raised in the MCF's and through conditions of the Renewable Energy Approval.

6 AGENCY CONSULTATIONS

6.1 Correspondence and Consultations

Detailed heritage and archaeological assessments have been prepared and submitted to the Ministry of Tourism, Culture and Sport (MTCS) for acceptance and recommendation. Copies of the complete reports have been included in the complete REA Application package for this Project.

As per the requirements in the Natural Heritage Assessment Guide for Renewable Energy Projects [5], a Natural Heritage Assessment (NHA) was prepared in 4 separate reports (Records Review, Site Investigation, Evaluation of Significance, and Environmental Impact Study) and submitted to the Ministry of Natural Resources for review and comment on 12 January 2012, 27 February 2012, 27 February 2012, and 28 February 2012, respectively. These NHA reports are part of the complete REA Application package for this Project.

6.1.1 Pre-REA Environmental Assessment Process

Table 6-1 provides details of the main consultation events undertaken with provincial and federal agencies during this period, as well as other relevant information.

Table 6-1: Pre-REA consultation log – Agencies

Event/Activity	Date	Location	Comment
Ausable Bayfield Conservation Authority (ABCA)	3 December 2007	ABCA Offices, Exeter	Project introduction meeting
Ministry of Natural Resources	21 January 2008	Delivered	Submitted avian work plan
Environment Canada – Environmental Assessment Unit	21 January 2008	Delivered	Submitted avian work plan
Environment Canada – Canadian Wildlife Services	21 January 2008	Delivered	Submitted avian work plan
Notice of Commencement to MOE	30 January 2008	Delivered	See Appendix D for the Notice
Indian and Northern Affairs Canada	4 February 2008	Delivered	Request information regarding land claims in the project area
Ausable Bayfield	October 2008	Delivered	Submitted files on component and

Event/Activity	Date	Location	Comment
Conservation Authority (ABCA)			turbine locations for review

6.1.2 Post-REA Environmental Assessment Process

Table 6-2 provides details on main consultation efforts undertaken with provincial and federal agencies, as well as other relevant information.

Table 6-2: Post-REA consultation log – Agencies

Event/Activity	Date	Location	Comment
Ministry of the Environment	16 October 2009	MOE Office, Toronto	Meeting to discuss transition to REA process
Environment Canada – Weather Radar	25 November 2009	Delivered	Submitted turbine coordinates and details
Ausable Bayfield Conservation Authority	1 December 2009	ABCA office, Exeter	Meeting to discuss transition to REA process
Ministry of Natural Resources	4 December 2009	Call	Meeting to discuss transition to REA process
Notification of Project to Royal Canadian Mounted Police (RCMP) – Mobile Communication Services	9 May 2011	Email	Notification sent, response pending.
Meeting with Ausable Bayfield Conservation Authority (ABCA) Staff	19 May 2011	ABCA Offices, Exeter	Introductory presentation of Project and Q&A
Notification of Project to NAV CANADA - Aeronautical Information Services	5 June 2011	Email	Land Use Form sent, receipt confirmed, response pending.
Meeting with MNR	25 July 2011	NextEra Office, Burlington	Discuss NHA and Species at Risk reporting requirements
Meeting with MNR	30 August 2011	NRSI Office,	Discuss results of records review and reporting

Event/Activity	Date	Location	Comment
		Waterloo	approach for the Bornish Wind Energy Centre
Notification of Project to National Defence and Canadian Forces (DND) - Air Defence, Navigational Aid and Major Military Installations	18 October 2011	Email	No objections reported by Capt. Adin Switzer
Notification of Project to National Defence and Canadian Forces (DND) - Military Radio-communication	5 October 2011	Email	No objections reported by Mario Lavoie
Notification of Project to Environment Canada (EC) – Meteorological Services of Canada	23 November 2011	Email	No objections reported by Carolyn Renn
Submittal of Records Review to Ministry of Natural resources (MNR)	12 January 2012	Email	2 April 2012 (MNR Confirmation Letter received)
Meeting with the Ausable Bayfield Conservation Authority Property Committee	26 January 2012	ABCA Offices, Exeter	Introductory presentation of Project and Q&A
Submittal of Stages 1 & 2 Archaeological Assessment Report for Parkhill Interconnect to MTCS	7 February 2012	Email	9 April 2012 (MTCS Recommendation and Satisfaction Letters received)
Submittal of Stage 2 Archaeological Assessment Report for Project area to the Ministry of Tourism Culture and Sport (MTCS)	14 February 2012	Email	18 April 2012 (MTCS Satisfaction Letter to Archaeologists received) 27 April 2012 (MTCS Recommendation Letter for the MOE received)
Submittal of Site Investigation to MNR	27 February 2012	Email	2 April 2012 (MNR Confirmation Letter received)

Event/Activity	Date	Location	Comment
Submittal of Evaluation of Significance to MNR	27 February 2012	Email	2 April 2012 (MNR Confirmation Letter received)
Meeting with representative from Parkhill BIA	23 February 2012	Parkhill	Company/Project introduction and stakeholder outreach
Submittal of Environmental Impact Study to MNR	28 February 2012	Email	2 April 2012 (MNR Confirmation Letter received)
Meet with Middlesex Federation of Agriculture	5 April 2012	Federation of Agriculture office, Parkhill	Company/Project Introduction and Q&A
Meeting with Ausable Bayfield Conservation Authority	11 April 2012	ABCA Office, Exeter	Discuss water bodies in the Project area
Submittal of additional Stages 1 & 2 Archaeological Report to MTCS for Parkhill interconnect	12 June 2012	Email	13 July 2012 (MTCS Recommendation and Satisfaction Letters received)
Submittal of additional Stage 2 Archaeological Assessment Report to MTCS for Project area	27 June 2012	Email	9 July 2012 (MTCS Recommendation and Satisfaction Letters received)
Submittal of Natural Heritage Addendum to MNR	9 July 2012	Email	16 July 2012 (MNR confirmation letter received)

6.2 Feedback Received

Table 6-3 provides a summary of questions and comments received from provincial and federal agencies, through comment forms, verbal communication or other correspondence.

Table 6-3: Summary of questions and comments – Agencies

	Comment/Topic	Date	Correspondence	Response
1	General comments regarding the Natural Heritage reports were received from Ontario MNR regarding report formatting and content.	January – July, 2012	Correspondence submitted using “track change” mode, via email	Recommended changes were incorporated into final reports
2	General comments regarding the Archaeological reports were received from Ontario MTCS regarding report formatting and content.	February – July 2012	Correspondence submitted via email	Recommended changes were incorporated into final reports
3	No comments were received from Federal Agencies regarding the Bornish Wind Energy Centre	October- November 2011	Correspondence submitted via email	N/A

6.3 Consideration of Comments

Table 6-4 summarizes how the comments received from provincial and federal agencies were considered in the Project design.

Table 6-4: Consideration of comments – Agencies

Issue Raised	Corresponding Comment(s)	Change Made to Project Design?	Rationale for No Change / Description of Change	Report Document(s) which Detail Change, if any	How Change will Address Issue
Natural Heritage – general comments	1	No	Project is not expected to have any negative impact on natural features identified by Natural Heritage Assessment. Comments received were largely administrative and did not call for changes to the Project design.	Natural Heritage Assessment (part of complete REA submission)	N/A
Archaeological – general comments	2	No	Project is not expected to have any negative impact on natural features identified by Archaeological Assessments. Comments received were largely administrative and did not call for changes to the Project design.	Archaeological Assessments (part of complete REA submission)	N/A

7 **REFERENCES**

- [1] Ontario Regulation 359/09, made under the *Environmental Protection Act*, Renewable Energy Approvals under Part 1.0 of the Act.
- [2] Ontario Regulation 521/10, made under the *Environmental Protection Act*, Renewable Energy Approvals under Part 1.0 of the Act.
- [3] Technical Guide to Renewable Energy Approvals, Ontario Ministry of the Environment, 2012.
- [4] Draft Aboriginal Consultation Guide, Ontario Ministry of the Environment, 2011.
- [5] Natural Heritage Assessment Guide for Renewable Energy Projects, Ministry of Natural Resources, December 2010.

APPENDIX A PROJECT NOTICES AND PROJECT NEWSLETTERS

- Notice of Commencement and Notice of Public Meeting #1
- Notice of Public Meeting #2
- Notice of Project Update Meeting (First Public Meeting for the purpose of O. Reg. 359/09)
- Notice of Draft Site Plan
- Notice of Final Public Meeting
- Spring 2012 Newsletter

APPENDIX B RELEVANT DOCUMENTATION – AGENCY CONSULTATIONS

- Ministry of Natural Resources Confirmation Letters
- Ministry of Tourism Culture and Sport – Comment Letters
- Additional Agency Correspondence

APPENDIX C RELEVANT DOCUMENTATION – ABORIGINAL CONSULTATIONS

- Aboriginal Consultation Report

APPENDIX D RELEVANT DOCUMENTATION – PUBLIC CONSULTATIONS

- Public Meeting #1
 - Display Panels
- Public Meeting #2
 - Display Panels
- Project Update Meeting (First Public Meeting for the purpose of O. Reg. 359/09)
 - Display Panels
 - Open house surveys
 - Response letter
- Telephone Town Hall Meeting
- Final Public Meeting
 - Display Panels
 - Open house surveys
- Hand outs
- Plain Language Report Summaries

APPENDIX E RELEVANT DOCUMENTATION – MUNICIPAL CONSULTATIONS

- Municipal Consultation Form
- Municipal Review Letter
- Public Review Letter
- Municipal Correspondence