

Appendix D

Municipal Consultation

- Appendix D1. Municipal Consultation Form
- Appendix D2. Municipal Consultation Period
- Appendix D3. Public Review Period
- Appendix D4. Additional Municipal Comments

**Appendix D1. Municipal
Consultation
Form**

Ministry of the Environment

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

Section 1 - Project Description

1.1 - Renewable Energy Project
Project Name <i>(Project identifier to be used as a reference in correspondence)</i> Goshen Wind Energy Centre

Project Location					
Same as Applicant Physical Address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, please provide site address information below)					
Civic Address- Street information <i>(includes street number, name, type and direction)</i>					Unit Identifier <i>(i.e. apartment number)</i>
Multiple Properties					
Survey Address <i>(Not required if Street Information is provided)</i>					
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 unorganized 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		
Location Information <i>(includes any additional information to clarify physical location)(e.g. municipality, ward/ township)</i> Bluewater and South Huron Township, Huron County, Ontario					
Geo Reference <i>(e.g. southwest corner of property)</i>					
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing
NAD83	17		GIS	-81.7743	43.2380

Project Phasing <i>(outline construction, operation and decommissioning activities)</i>
Construction Phase: May 2013 Operation Phase: October 2013 Decommissioning Phase: Estimated at 2038

1.2 - Environmental Context
Describe any negative environmental effects that may result from engaging in the project <i>(consider construction, operation and decommissioning activities.)</i> No significant residual effects are anticipated as a result of the project. Note that potential effects, mitigation measures and residual effects will be outlined in the REA submission reports and will be submitted to the Municipality prior to the final public open house.
Propose early avoidance/prevention/mitigation concepts and measures. A full description of mitigation measures and monitoring commitments will be provided in the various REA submission reports, in addition to the Environmental Effects Monitoring Plan.

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1.3 - Renewable Energy Generation Facility

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

<input checked="" type="checkbox"/>	Wind Facility (Land Based)	<input type="checkbox"/>	Biofuel Facility
<input type="checkbox"/>	Wind Facility (Off-Shore)	<input type="checkbox"/>	Solar Photo Voltaic Facility
<input type="checkbox"/>	Biogas Facility (Anaerobic Digesters)	<input type="checkbox"/>	Other Describe :
<input type="checkbox"/>	Biomass Facility (Thermal Treatment)	<input type="checkbox"/>	Class (if applicable) :

Name Plate Capacity	Expected Generation	Service Area	Total Area of Site (hectares)
102 MW	102 MW		

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 major components of this Project are as follows: up to 71 GE 1.6-100 wind turbines generator locations and one GE 1.56-100 wind turbine generator location; pad mounted step up transformers, laydown and storage areas, temporary electrical service line to provide power to the construction trailers; a transformer substation and a breaker switch station; underground 34.5 kV electrical collection lines; a 115 kV transmission line; access roads; three permanent MET towers, and an operations and maintenance building

1.4 - Renewable Energy Generation Activities

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

The activities associated with the wind energy centre development include: detailed design, environmental permitting, construction, operation and decommissioning.

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	Draft Project Description Report	September 28, 2012
DRAFT Design and Operations Report	Draft Design and Operations Report	September 28, 2012
DRAFT Construction Plan Report	Draft Construction Plan Report	September 28, 2012
DRAFT Decommissioning Plan Report	Draft Decommissioning Plan Report	September 28, 2012
List of other Documents	Draft Water Assessment and Water Body Report	September 28, 2012
	Draft Wind Turbine Specification Report	September 28, 2012
	Cultural Heritage Assessment Report	September 28, 2012
	Stage 2 Archaeological Assessment Report	September 28, 2012
	Natural Heritage Assessment Report	September 28, 2012

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

www.NextEraEnergyCanada.com, and the municipal offices of Bluewater, South Huron and Huron County

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) Goshen Wind Inc, a wholly owned subsidiary of NextEra Energy Canada, ULC			Business Identification Number 818412918 NP0001	
Business Name (the name under which the entity is operating or trading - also referred to as trade name)			<input checked="" type="checkbox"/> same as Applicant Name	
Civic Address- Street information (includes street number, name, type and direction) 5500 North Service Road			Unit Identifier (i.e. apartment number) 205	
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 Burlington	County/District	Province/State Ontario	Country Canada	Postal Code L7L 6W6

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

Section 5: Consultation Requirement

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

5.3 – Municipal or Local authority Service Connections

Provide comment on the proposed project plans related to the location of and type of municipal service connections, other than roads.

Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads.

5.4 – Facility Other

Identify any issues and recommendations with respect to the proposed landscaping design for the facility

Provide comment on the proposed project plans for emergency management procedures / safety protocols.

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

Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location

5.5 Project Construction

Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal or local authority infrastructure that could be damaged during construction.

Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing drainage, water works and sanitary sewers

Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults

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

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

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

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



THE CORPORATION OF THE MUNICIPALITY OF SOUTH HURON
322 Main Street South, P.O. Box 759, Exeter, Ontario N0M 1S6
PHONE: 519-235-0310 • FAX: 519-235-3304 • TOLL FREE: 1-877-204-0747
www.southhuron.ca

January 11, 2013

File: E00/13

Mr. Thomas Bird
Environmental Services Project Manager
NextEra Energy Canada ULC
5500 North Service Road
Suite 205
Burlington, ON L7L 6W6

Dear Mr. Bird,

**RE: Municipal Consultation Form – Municipality of South Huron
Goshen Wind Energy Project**

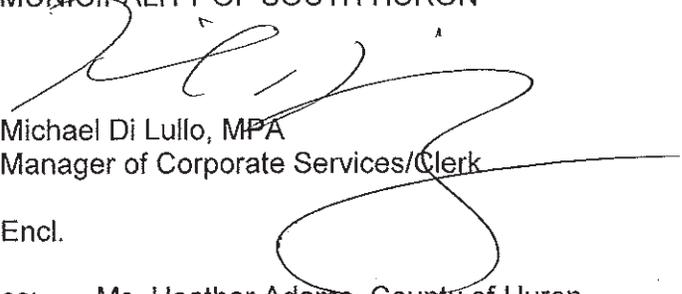
Please find enclosed the Municipal Consultation Form on behalf of the Municipality of South Huron for the Goshen Wind Energy Project proposed by NextEra Energy Canada.

The form provides comments and concerns from the Municipality in regards to the proposed project and following submission to the Ministry of Environment, the Municipality hereby requests a response to the concerns raised in the Consultation Form prior to project commencement.

In addition, the Municipality would also like to receive copy from the Ministry of Environment on their assessment of the project for our records.

Should you have any questions, please feel free to contact me at m.dilullo@southhuron.ca or at 519.235.0310 ext. 227.

Yours truly,
MUNICIPALITY OF SOUTH HURON



Michael Di Lullo, MPA
Manager of Corporate Services/Clerk

Encl.

cc: Ms. Heather Adams, County of Huron
Mr. Steve McAuley, Municipality of Bluewater
Mr. Tom Prout, Ausable Bayfield Conservation Authority



Goshen Wind Energy Centre

Renewable Energy Approval Consultation Form – Municipalities, Local Authorities
ss. 18(2) Ontario Regulation 359/09

Part B

Section 4 – Municipal or Local Authority Contact Information

The Corporation of the Municipality of South Huron
322 Main Street South
Exeter, ON N0M 1S6
Michael Di Lullo, Municipal Clerk
Email: m.dilullo@southhuron.ca
Phone: 519.235.0310
Fax: 519.235.3304

The Corporation of the County of Huron
1 Courthouse Square
Goderich, ON N7A 1M2
Phone: 519.524.8394
Fax: 519.524.2044

Ausable Bayfield Conservation Authority
71108 Morrison Line, R. R. # 3
Exeter, ON N0M 1S5
Phone: 519.235.2610
Fax: 519.235.1963

Lake Huron & Elgin Area Primary Water Supply Systems
235 North Centre Road
Suite 200
London, ON N5X 4E7
Phone: 519.930.3505
Fax: 519.474.0451

Section 5 – Consultation Requirement

South Huron General Comments

Comments contained in this municipal consultation form should not be construed as support for the project and are only made in an effort to point out the shortfalls in the study work done to date and issues that remained unsolved. These issues should be resolved prior to any commencement of the project moving forward to the satisfaction of the Municipality.

In addition, the Municipality is cognizant of the *Green Energy Act* that removed the Municipality's authority under the *Planning Act* to enact land use policies appropriate for the community in relation to industrial wind turbine projects.

The Proponent must identify if ice shed onto roadway is a possibility for turbines located in close proximity and if so, what mitigation measures are being implemented.

In reviewing the REA documents for the project, the Municipality provides general comments:

- The Proponent should include a decommissioning plan which will indicate a securities amount to ensure funds are secured for the future takedown of any component of the project in the event the Proponent is not financially able to.
- There is reference to a post-construction monitoring of the project. Will the Proponent report this to the Municipality?
- The Municipality is requesting that the Proponent provide a detailed complaint response protocol throughout the duration of the construction process, the Municipality is to be included in the notification process.
- There should be a minimum 10 metre setback from access roads to non-participating properties.
- The Municipality has requested that the Province place a moratorium on wind energy projects until the Health Canada Study is finalized.
- A clear communication plan is required during construction and operation for the contractor/management of the project and the environment monitor/inspector. There is reference to post-construction monitoring of the project, who is this information reported to?

5.1 – Project Location

Provide comment on the project location with respect to infrastructure and servicing.

A serious concern which is indicated in the Draft Water Assessment and Water Body Report identifies minor conflicts with meteorological towers. No mention was made of potential conflicts with the Exeter meteorological radar station. Correspondence has been received from Environment Canada in regards to another proposed wind farm which indicates that wind farms in the Grand Bend area cannot effectively co-exist with the Exeter weather radar. As this meteorological radar station is located in Osborne Ward and provides coverage for the whole municipality – we are critically concerned about the impact the turbines may have on the ability to forecast precipitation and severe weather, as well as the potential for interference.

The area where the wind project is proposed to be located is nearby the Municipality's lakeshore and tourist community. There has been no information provided regarding the impact this project may have on the tourism industry in this area.

No cost recovery for staff time has been provided and the Municipality is requesting that a cost recovery plan be developed so that the Municipality is compensated for all time separate from building reviews associated with this project.

A list of locations where excess fill is proposed to be placed along with a description of how the fill will be handled must be provided to the Municipality for review and approval.

A turbine staging area is not proposed at this time. However, if plans change and a turbine laydown yard is proposed, the Municipality must be notified. Further, if the operations building will be removed as indicated in the Decommissioning Draft Report, could it be repurposed?

5.2 – Project Roads

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

A Road User Agreement is required to be entered into by the Proponent. Details relating to proposed accesses, infrastructure and route management and works required within the right of way e.g. collection and transmission lines must be identified in the Agreement.

The Proponent will coordinate with the County of Huron for roadways under the jurisdiction of the County that will be needed for this project.

A pre & post construction inspection of roads and bridges for all roads used by the proponent in the establishment of the project will be completed. The company to inspect the infrastructure will be selected and coordinated by the Municipality. The Proponent will be responsible for all costs associated with pre & post inspection and repair of any damages identified.

All entrances/accesses will be subject to permit requirements as required by the Municipality and final approval for all entrance permits will be subject to municipal operations.

Identify any issues and provide recommendations with respect to road access.

All collection & transmission lines are to be buried underground.

The Proponent should work with other hydro utilities proposing to install transmission lines by utilizing the same trench or by the sharing of lines in the same trench.

If no hydro utility is present, it should be accommodated for joint future usage.

Provide comment on any proposed Traffic Management Plans.

The Municipality has not received a Traffic Management Plan for review however the Plan must be submitted for Municipal approval prior to start of the project.

Identify and issues and provide recommendations with respect to the Proposed Traffic Management Plans.

The Traffic Management Plan will adhere to the Municipality's load restrictions from March 1 to April 30 in accordance with By-Law 62-2001 and the traffic routes will be provided outlining the hauls and construction access points.

The Traffic Management Plan should reference a pre-construction and post-construction analysis of road conditions as stated above. Any damages are to be repaired at the Proponent's cost.

The Traffic Management Plan will identify any local road and/or bridge improvements required.

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 substation and operations facilities will require servicing including: utility, water, wastewater however these plans have not yet been finalized by the Proponent and should be completed prior to the project going forward as the Municipality cannot comment at this time.

The final design of the collection and transmission lines should also be completed so that the Municipality may provide comment prior to the project going ahead. Lines should be located as close to the property line as possible and buried 1.0 metres deep including 1.0 metres below structures and to include warning tape 0.3 metres above buried lines.

Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads

No Comment.

5.4 – Facility Other

Identify any issues and recommendations with respect to the proposed landscaping design for the facility.

The Proponent shall advise the Municipality of the location of the operations building which is not identified in any reports provided.

Any tree damage resulting from the construction of the project should have a remediation plan in place before construction and identify trees proposed to be removed. The Municipality is recommending a 2:1 tree replacement ratio whether trees are replaced on-site or at an alternate location within the Municipality.

The Proponent should offer a tree planting program to area landowners that are affected from a visual aspect of the proposed industrial wind turbines.

The transformer, wind towers and collection stations should be appropriately landscaped and visually screened.

Every effort should be made to limit removal of trees located in windrows, fence rows and along natural features.

The Shadow Flicker Assessment Report indicates that affected turbines should be monitored and if excessive shadow flicker occurs, vegetation can be planted. What protocol is in place to report flicker?

Provide comment on the proposed project plans for emergency management procedures / safety protocols.

A telecommunications plan should be provided as the project impacts local emergency services with respect to a disturbance to the radio transmission which poses a security threat to the Municipality.

An Emergency Response Plan must be developed by the Proponent for the sites in collaboration with the Municipal Fire Chief taking into consideration the following:

- The volunteer base of the Fire Department with respect to any medical first response or fire call, especially during the construction phase;
- Acknowledges the municipal limit of service to ground level assistance only for all core services;
- Provides a detailed protocol to streamline municipal personnel action whenever they are needed on site;
- Indicates key 24-7 contact information;
- Sharing of training plans and procedures with fire and emergency staff

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

All access roads related to the proposed project should have appropriate entrance permits and 911 addresses and in accordance with the County of Huron Emergency Management 911 Policies and Procedures.

The Proponent will register all infrastructure to be located through Ontario's One Call system.

The Proponent should provide a Communication plan including any change protocols that take place throughout the construction process including emergency measures and safety protocols.

The Proponent will adhere to the Municipal Noise By-Law 36-2004 during construction of the project.

Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location.

The Proponent should provide appropriate documentation illustrating that they have authority on behalf of private landowners for access over easements or access roads.

The operations and maintenance building is to obtain all relevant approvals under *the Planning Act* and must be located within a Settlement Area as identified in the Municipality of South Huron Official Plan.

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.

Any construction damage and/or restoration resulting from this project to be repaired at the Proponent's cost.

Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing drainage, water and sanitary sewers.

The Proponent is required to evaluate existing municipal drains and report on potential crossings and/or modifications. The report must contain a request for appointment of a drainage engineer under Section 78 of the Drainage Act. The Municipality will appoint a drainage engineer to prepare any required reports/schedules at the proponent's cost.

Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults.

No information has been provided however it is recommended to have all utilities buried associated with this project. If this is not possible, above grade utility vaults are to be located at property lines and constructed in a location that will maintain appropriate site lines at intersections.

All underground connections shall be in a buried kiosk.

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

Collection transmission lines should be located as close to property line as possible and all lines should be buried and where not possible should be co-located with existing Hydro Utilities, also, joint use taking into consideration for future Hydro One joint usage.

The Proponent will locate existing utilities on the as-constructed drawings to be provided to the Municipality post-installation in electronic and hard copy format.

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

The Proponent is subject to the *Building Code Act* and Municipal By-Laws. As such, all structures other than turbines are subject to the *Planning Act*, Site Plan Control and Municipal Zoning By-Laws. All general reviews must be submitted with the application for structural review, electrical review, mechanical review and fire protection review and all plans / construction drawings must be approved by a Professional Engineer of Ontario.

The building permit fee will be in accordance with By-Law 35-2008, as amended by By-Law 68-2012

Approvals from the Ministry of Transportation (oversize loads, construction near Provincial Highways), Ministry of Environment (Renewable Energy) and Ministry of Tourism (clearance certificate for archaeological) must be submitted with the application.

A clearance certificate is required from the Department of Fisheries and Ministry of Natural Resources

A works permit maybe required from the local Conservation Authority (Ausable Bayfield Conservation Authority)

Should the project interfere with air fields and/or runways, any approvals by Transport Canada are needed including tower beacons.

A Geotechnical Report must be submitted for each Tower indicating suitable soils for bearing capacities.

Appropriate setbacks must indicate a minimum of 550 metres from all dwellings however the Municipality is requesting a greater setback distance for industrial wind turbines be preferred.

It is noted that 16 turbines have reduced property boundary setbacks. The Proponent must demonstrate that vacant residential and agricultural properties have been considered and that Minimum Distance Separation (MDS) has been considered for vacant agricultural properties.

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

Natural features and water bodies are to be addressed to the satisfaction of the MNR and Ausable Bayfield Conservation Authority.

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

The Municipality requests that a pre-construction assessment of habitat use to determine significance and appropriate mitigation be completed prior construction commencement i.e. migrant birds and bats etc.

**Appendix D2. Municipal
Consultation
Period**



September 27, 2012

Stephen McAuley
Municipality of Bluewater
14 Mill Avenue, Box 250
Zurich, Ontario
N0M 2T0

Subject: NextEra Energy Canada, Goshen Wind Energy Project

Dear Mr. McAuley:

Goshen Wind Inc., a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra) is proposing to construct a wind energy project in the Municipalities of Bluewater and South Huron in Huron County, Ontario. The Project will be referred to as the Goshen Wind Energy Centre and will be located on private lands east of Highway 21 in the vicinity of the shoreline of Lake Huron. With a total maximum name plate capacity of 102 MW; the Project is categorized as a Class 4 facility. Although NextEra is seeking a Renewable Energy Approval (REA) for 72 wind turbines, up to a total of 63 are proposed to be constructed for the Project.

NextEra is pleased to submit the enclosed REA documents and the Municipal Consultation Form, to be completed by your office. This initiates the Municipal Consultation Period under Ontario Regulation 359/09. We would be pleased to meet with you to discuss the enclosed reports and any comments you may have.

Please do not hesitate to contact myself or Derek Dudek (Derek.Dudek@nexteraenergy.com) should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Bird".

Thomas Bird
Environmental Services Project Manager

c.c. Nicole Geneau, NextEra Energy Canada
Derek Dudek, NextEra Energy Canada

Enclosures:

Municipal Consultation Form

One hard copy and one CD of the following REA Reports:

- Draft Project Description Report
- Draft Construction Plan Report
- Draft Design and operations Report
- Draft Decommissioning Plan Report
- Draft Wind Turbine Specification Report
- Draft Water Assessment and Water Body Report
- Natural Heritage Assessment Report (note that Appendix B is provided in the enclosed CD)
- Heritage Assessment Report
- Stage 1 and 2 Archaeological Assessment Reports



September 27, 2012

Heather Adams
Huron County
1 Courthouse Square
Goderich, Ontario
N7A 1M2

Subject: NextEra Energy Canada, Goshen Wind Energy Project

Dear Ms. Adams:

Goshen Wind Inc., a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra) is proposing to construct a wind energy project in the Municipalities of Bluewater and South Huron in Huron County, Ontario. The Project will be referred to as the Goshen Wind Energy Centre and will be located on private lands east of Highway 21 in the vicinity of the shoreline of Lake Huron. With a total maximum name plate capacity of 102 MW; the Project is categorized as a Class 4 facility. Although NextEra is seeking a Renewable Energy Approval (REA) for 72 wind turbines, up to a total of 63 are proposed to be constructed for the Project.

NextEra is pleased to submit the enclosed REA documents and the Municipal Consultation Form, to be completed by your office. This initiates the Municipal Consultation Period under Ontario Regulation 359/09. We would be pleased to meet with you to discuss the enclosed reports and any comments you may have.

Please do not hesitate to contact myself or Derek Dudek (Derek.Dudek@nexteraenergy.com) should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Bird".

Thomas Bird
Environmental Services Project Manager

c.c. Nicole Geneau, NextEra Energy Canada
Derek Dudek, NextEra Energy Canada

Enclosures:

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- Heritage Assessment Report
- Stage 1 and 2 Archaeological Assessment Reports



September 27, 2012

Michael Di Lullo
Manager of Corporate Services, Clerk
Municipality of South Huron
322 Main Street South, P.O. Box 759
Exeter, Ontario
N0M 1S6

Subject: NextEra Energy Canada, Goshen Wind Energy Project

Dear Mr. Di Lullo:

Goshen Wind Inc., a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra) is proposing to construct a wind energy project in the Municipalities of Bluewater and South Huron in Huron County, Ontario. The Project will be referred to as the Goshen Wind Energy Centre and will be located on private lands east of Highway 21 in the vicinity of the shoreline of Lake Huron. With a total maximum name plate capacity of 102 MW; the Project is categorized as a Class 4 facility. Although NextEra is seeking a Renewable Energy Approval (REA) for 72 wind turbines, up to a total of 63 are proposed to be constructed for the Project.

NextEra is pleased to submit the enclosed REA documents and the Municipal Consultation Form, to be completed by your office. This initiates the Municipal Consultation Period under Ontario Regulation 359/09. We would be pleased to meet with you to discuss the enclosed reports and any comments you may have.

Please do not hesitate to contact myself or Derek Dudek (Derek.Dudek@nexteraenergy.com) should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Bird", is written over a light blue horizontal line.

Thomas Bird
Environmental Services Project Manager

c.c. Nicole Geneau, NextEra Energy Canada
Derek Dudek, NextEra Energy Canada

Enclosures:

Municipal Consultation Form

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- Heritage Assessment Report
- Stage 1 and 2 Archaeological Assessment Reports

Appendix D3. Public Review Period



October 11, 2012

Heather Adams
Huron County
1 Courthouse Square
Goderich, Ontario
N7A 1M2

Subject: NextEra Energy Canada, Goshen Wind Energy Project – Public Consultation

Dear Ms. Adams:

Goshen Wind Inc., a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra) is proposing to construct a wind energy project in the Municipalities of Bluewater and South Huron in Huron County, Ontario. The project will be referred to as the Goshen Wind Energy Centre (the "Project") and will be located on private lands in the vicinity of the shoreline of Lake Huron. The wind turbine technology proposed for the Project is the GE 1.6-100 Wind Turbine and GE 1.56-100 Wind Turbine. With a total nameplate capacity of 102 MW, the Project is categorized as a Class 4 facility. Although NextEra is seeking a Renewable Energy Approval (REA) for up to 72 wind turbines, only 63 will be constructed for the Project.

NextEra is pleased to submit the enclosed DRAFT REA documents (listed below), Shadow Flicker Report and Plain Language Summaries. We ask that you make them available at the municipal office for public review on October 15, 2012. This initiates the Public Review Period under Ontario Regulation 359/09.

Please also find enclosed a Notice for the upcoming Public Meetings to take place at the South Huron Recreation Centre and the Zurich Arena on January 9th and 10th 2013, respectively.

Please do not hesitate to contact myself or Derek Dudek (Derek.Dudek@nexteraenergy.com) should you have any questions.

Yours very truly,

A handwritten signature in black ink, appearing to read "T. Bird", with a stylized flourish at the end.

Thomas Bird,
Environmental Services Project Manager

C.c. Derek Dudek, NextEra Energy Canada,

Enclosures:

- One Hard Copy of the following REA Reports:
 - Project Description Report
 - Construction Plan Report
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 - Decommissioning Plan Report
 - Wind Turbine Specification Report
 - Natural Heritage Assessment Report
 - Water Assessment and Water Body Report
 - Heritage Assessment Report
 - Stage 1 and Stage 2 Archaeological Assessment Report
- Two copies of the Plain Language Summaries (one to be made available to the public and one for municipal review)
- Two copies of the Shadow Flicker Report (one to be made available to the public and one for municipal review)
- Public Meeting Notice



October 11, 2012

Michael Di Lullo
Manager of Corporate Services, Clerk
Municipality of South Huron
322 Main Street South, P.O. Box 759
Exeter, Ontario
N0M 1S6

Subject: NextEra Energy Canada, Goshen Wind Energy Project – Public Consultation

Dear Mr. Di Lullo:

Goshen Wind Inc., a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra) is proposing to construct a wind energy project in the Municipalities of Bluewater and South Huron in Huron County, Ontario. The project will be referred to as the Goshen Wind Energy Centre (the "Project") and will be located on private lands in the vicinity of the shoreline of Lake Huron. The wind turbine technology proposed for the Project is the GE 1.6-100 Wind Turbine and GE 1.56-100 Wind Turbine. With a total nameplate capacity of 102 MW, the Project is categorized as a Class 4 facility. Although NextEra is seeking a Renewable Energy Approval (REA) for up to 72 wind turbines, only 63 will be constructed for the Project.

NextEra is pleased to submit the enclosed DRAFT REA documents (listed below), Shadow Flicker Report and Plain Language Summaries. We ask that you make them available at the municipal office for public review on October 15, 2012. This initiates the Public Review Period under Ontario Regulation 359/09.

Please also find enclosed a Notice for the upcoming Public Meetings to take place at the South Huron Recreation Centre and the Zurich Arena on January 9th and 10th 2013, respectively.

Please do not hesitate to contact myself or Derek Dudek (Derek.Dudek@nexteraenergy.com) should you have any questions.

Yours very truly,

A handwritten signature in black ink, appearing to read "T. Bird", written in a cursive style.

Thomas Bird,
Environmental Services Project Manager

C.c. Derek Dudek, NextEra Energy Canada,

Enclosures:

- One Hard Copy of the following REA Reports:
 - Project Description Report
 - Construction Plan Report
 - Design and Operations Report
 - Decommissioning Plan Report
 - Wind Turbine Specification Report
 - Natural Heritage Assessment Report
 - Water Assessment and Water Body Report
 - Heritage Assessment Report
 - Stage 1 and Stage 2 Archaeological Assessment Report
- Two copies of the Plain Language Summaries (one to be made available to the public and one for municipal review)
- Two copies of the Shadow Flicker Report (one to be made available to the public and one for municipal review)
- Public Meeting Notice

October 11, 2012

Stephen McAuley
Municipality of Bluewater
14 Mill Avenue, Box 250
Zurich, Ontario
N0M 2T0

Subject: NextEra Energy Canada, Goshen Wind Energy Project – Public Consultation Review

Dear Mr. McAuley:

Goshen Wind Inc., a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra) is proposing to construct a wind energy project in the Municipalities of Bluewater and South Huron in Huron County, Ontario. The project will be referred to as the Goshen Wind Energy Centre (the "Project") and will be located on private lands in the vicinity of the shoreline of Lake Huron. The wind turbine technology proposed for the Project is the GE 1.6-100 Wind Turbine and GE 1.56-100 Wind Turbine. With a total nameplate capacity of 102 MW, the Project is categorized as a Class 4 facility. Although NextEra is seeking a Renewable Energy Approval (REA) for up to 72 wind turbines, only 63 will be constructed for the Project.

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Environmental Services Project Manager

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- Public Meeting Notice

Appendix D4. Additional Municipal Comments



September 26, 2008

Mayor and Members of Council
Lori Wolfe, CAO/Clerk
Municipality of Bluewater
14 Mill Street
ZURICH, ON. N0M 2T0

Dear Mayor, Members of Council, and Ms. Wolfe:

***Proposed Zoning By-law Regulations for Commercial Wind Energy Facilities
Hay and Stanley Zoning By-laws***

The purpose of this letter is to address the proposed regulations that Council agreed to pursue through Zoning By-law amendments to By-law 22-1985 of the former Township of Stanley and By-law 10-1987 of the former Township of Hay at the Planning Committee meeting of September 8, 2008. Based on the outcome of the Planning Committee meeting, it is our understanding that Council is pursuing the following setbacks through the proposed Zoning By-law amendments:

- **1.2 times the height, including the rotor blades, from a front or exterior lot line.** We have no objection to this proposed setback where a turbine abuts a County or Provincial highway. We request a setback of **blade length + 10 metres** where a turbine abuts a local road. This different setback accounts for the lower levels of human activity on local roads.
- **2 times the rotor blade length from an interior or rear lot line except that this could be reduced where the abutting land owner agrees (the agreement would need to be registered on title).** We support this regulation as worded.
- **1000 metres from a designated settlement area boundary, recreational zone, or community facilities zone.** We have no objection to this setback for settlements that are identified in the Official Plan for fully serviced growth. However, where a settlement area is designated for residential infilling, within existing boundaries (ie. Blake), a setback of 600 metres should be approved recognizing limited growth opportunities.
- **600 metres from an institutional zone, cemetery or landfill.** We have no objection to this regulation for a sensitive institutional zone. The occasional use of a cemetery or landfill site

does not support a setback greater than 400 metres. We object to including cemeteries and landfill sites.

- **No commercial scale wind energy facilities west of Highway 21.** We have no objection to this regulation.
- **2000 metre setback from Highway 21.** We object to this regulation. There is no precedent for such a large setback anywhere along Highway 21 in Lambton, Huron, or Bruce County municipalities. There are numerous locations along the east side of Highway 21 that are characterized by large agricultural fields which are well suited for the placement of wind turbines. Where the presence of human activity (in the form of settlement areas, recreational zones or community facility zones) is identified, a setback of 400 - 1000 metres would effectively buffer possible impacts. Where such activities do not exist along the **east side of Highway 21, 1.2 times turbine height is recommended from Provincial Highways.**
- **600 metre setback from dwellings on separate lots and small vacant lots.** We object to this regulation as our recommended distance is 400 metres to dwellings and 400 metres from small lots that are 4 ha or less in area.
- **2500 metre setback from the ends of airstrips, and 600 metres from the sides of airstrips.** We object to these regulations as Generic setbacks for all airstrips. As noted, in our correspondence with the planner on this matter, setbacks from unregistered airstrips vary according to the individual operation and should be considered on a site-specific basis through site plan control.

We will be attending and participating in the next public meeting and would request notice of the public meeting date and any future decisions of Council for the Zoning Bylaw Amendments. Alternatively, if Council wishes to meet with us as a delegation, we would be happy to make further presentations to Council and planning staff.

If you have any questions with respect to this information please contact the undersigned at your convenience.

Yours truly,

IBI GROUP

A handwritten signature in black ink that reads "William Pol". The signature is written in a cursive, flowing style.

William Pol, MPA, MCIP, RPP
Associate

cc: Craig Metzger, Huron County
Keith Waters, Canadian Green Power
Nicole Geneau, FPLE Canadian Wind, ULC

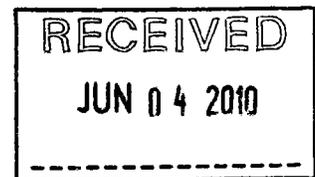


THE CORPORATION OF THE MUNICIPALITY OF SOUTH HURON
322 Main Street South, P.O. Box 759, Exeter, Ontario N0M 1S6
PHONE: 519-235-0310 • FAX: 519-235-3304 • TOLL FREE: 1-877-204-0747
www.southhuron.ca

May 31, 2010

File: P22/10

Mr. Tom Bird
Environmental Services Project Manager
NextEra Energy Canada, ULC
5500 North Service Road, Suite 205
Burlington, ON L7L 6W6



Dear Mr. Bird,

**RE: Notice of Proposal – Goshen Wind Energy Centre
Municipality of South Huron**

The Municipality of South Huron acknowledges public notice that was recently provided in the local newspaper in regards to Notice of a Proposal and Public Meeting for the construction of a Class 4 Wind Facility.

In accordance with Section 15(6)(5)(iii) of Ontario Regulation 359/09, I hereby request to be notified of any future development with respect to the proposed project. Further, please contact me to make arrangements to consult with the Municipality as required in accordance with 'Section 18 - Consultation with Municipalities, Local Authorities', of same regulation if the project moves forward.

Thank you for your attention to this matter.

Yours truly,
MUNICIPALITY OF SOUTH HURON

Michael Di Lullo, MPA
Manager of Corporate Services/Clerk

cc: R. Hardy, Chief Administrative Officer
D. McNab, Manager of Building and Development Services/CBO
S. McMullen, Planner, County of Huron
T. Russell, Planning Assistant



IBI Group
203 – 350 Oxford Street West
London ON N6H 1T3 Canada
tel 519 472 7328
fax 519 472 9354

Minutes

To/Attention Notes to File **Date** February 22, 2011
From Derek Dudek **Project No** 15633-16
Steno dd

Subject Meeting Summary - Bluewater & Goshen Wind Energy Centres
Municipality of Bluewater Municipal Offices
Feb 16, 2011 - 3:30pm

Present Mayor Bill Dowson, Lori Wolfe, Tim Masse, Arlene Parker (Bluewater)
Craig Metzger (Huron County)
Nicole Geneau, Neil Jones (NextEra)
Vince Deschamps (AECOM)
Derek Dudek (IBI Group)

Distribution Municipality of Bluewater
Client

Item Discussed

Action By

- | | |
|--|--------------------|
| 1. NextEra gave brief introduction and company background. | None |
| 2. Inquiries surrounding expected FIT contract timing. Confirmed that it isn't known but likely within next few months. Clarified that FIT contract is only for 60MW, but trying to permit 90MW to allow flexibility. Notify Bluewater when known. | NextEra |
| 3. Described archaeological field work as next major environmental component being undertaken | None |
| 4. Bluewater questions re: ownership of transmission lines on municipal ROW. NextEra confirmed it was likely to be built by NextEra, owned and operated by Hydro One | None |
| 5. Bluewater identified Goshen Line road works were in budget for 2011 or 2012. | NextEra to monitor |
| 6. NextEra confirmed that there would be a better idea of exact transmission route in March / April and will advise accordingly. | NextEra |
| 7. Bluewater expressed interest in renewable project (solar) @ Varna recreation centre. NextEra would advise suitable developers to contact | NextEra |

J:\15633-Next-Era\2.2 Corres - External\Bluewater\PTNbluewater2011-02-16.docx\2012-06-19\DD



Introduction

NextEra Energy Canada, ULC

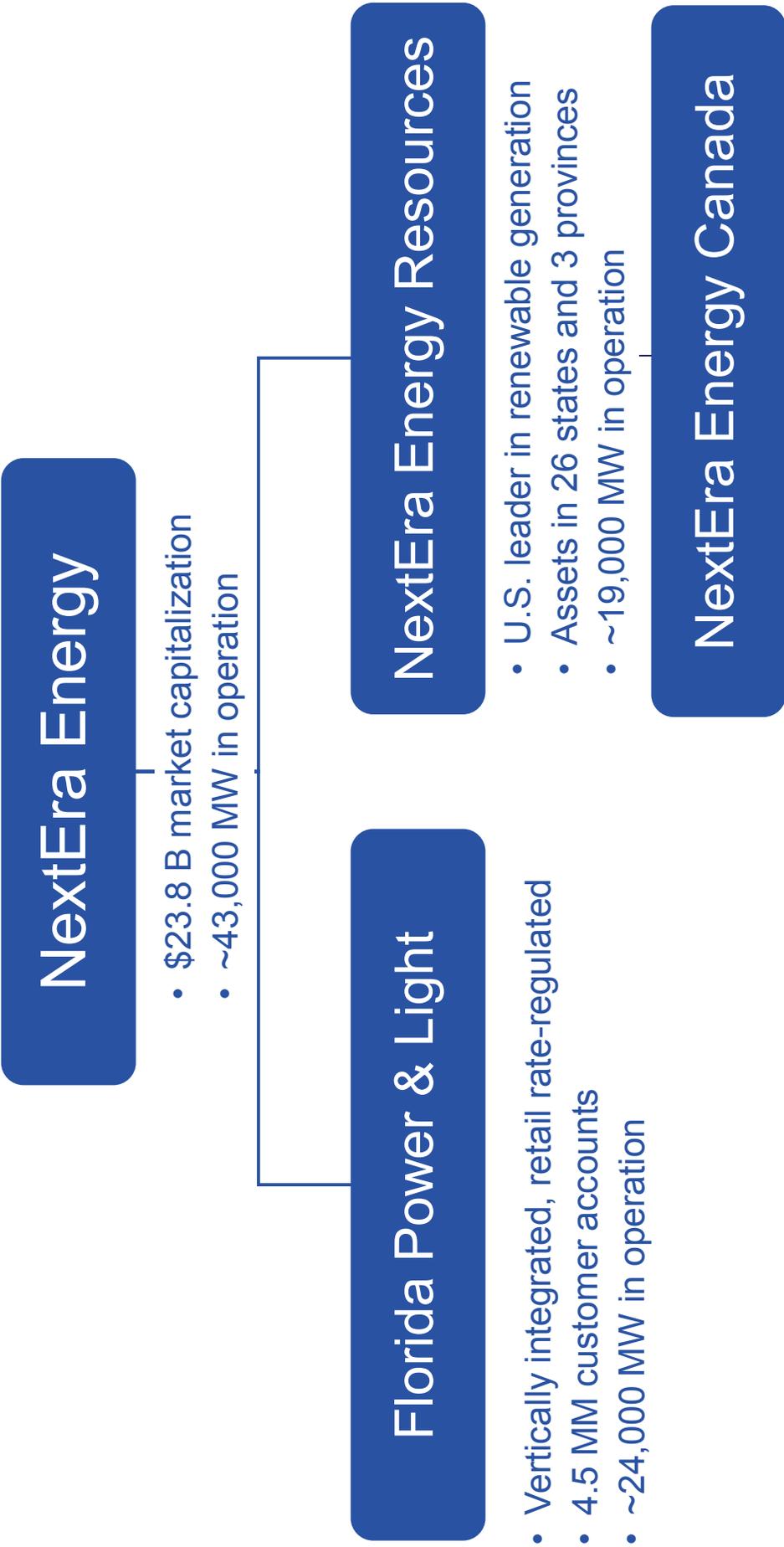
Nicole Geneau, Development
Derek Dudek, Community Relations

June 27, 2011

Cautionary Statements And Risk Factors That May Affect Future Results

Any statements made herein about future operating and/or financial results and/or other future events are forward-looking statements under the Safe Harbor Provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements may include, for example, statements regarding anticipated future financial and operating performance and results, including estimates for growth. Actual results may differ materially from such forward-looking statements. A discussion of factors that could cause actual results or events to vary is contained in our Securities and Exchange Commission (SEC) filings.

NextEra Energy Canada is an indirect subsidiary of NextEra Energy, a premier power company in North America....



A growing, diversified and financially strong company

Market capitalization as of June 24, 2011; source: Bloomberg
All other data as of December 31, 2010



NextEra Energy Resources owns and operates the largest renewable energy fleet in North America...

Renewable Generation Portfolio



Wind

- No. 1 wind owner in North America
- ~8,300 MW net ownership, including Canada
- More than 21% share of U.S. market
- More than 600 MW of projects in the Ontario Feed-in Tariff program



Solar

- 420 MW in operation or in construction (310 MW @ NextEra Energy Resources and 110 MW @ FPL)
- NextEra Energy Resources operates the largest solar plant in the world
- Pipeline of more than 1,500 MW of new solar projects in North America

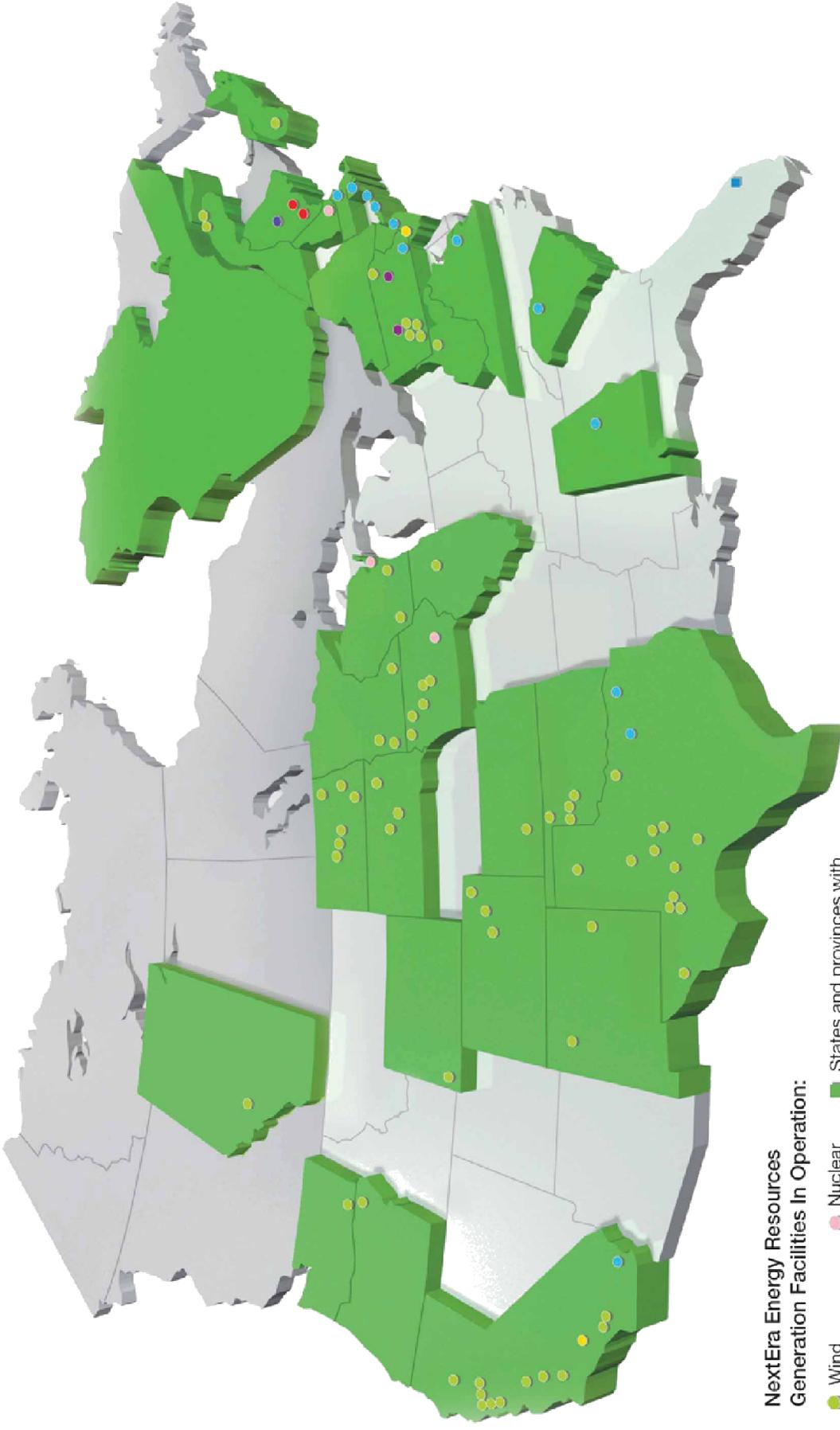


Hydroelectric

- 359 MW net ownership
- Largest producer of hydroelectricity in Maine
- 81 units at 23 projects in Maine
- Enough electricity to power 330,000 homes



NextEra Energy Resources is expanding its presence in Canada...



NextEra Energy Resources
Generation Facilities In Operation:

- Wind
- Hydroelectric
- Solar
- Nuclear
- Oil
- Other
- States and provinces with projects in operation
- NextEra Energy Resources Corporate Office
- Natural Gas



NextEra Energy is experienced and has significant capability to develop the transmission necessary to transport renewable energy...

Transmission Development Activities



- Our subsidiary Lone Star Transmission is developing a transmission project exceeding approximately 300 miles and approximately \$800 MM
- We recently completed a new 67 mile transmission line to provide power from our natural gas plant in Blythe, Calif., to Southern California Edison
- At the end of 2010, we built approximately 500 miles of transmission lines to connect our wind projects to the grid

The 230-mile “Texas Clean Energy Express,” built to carry electricity from NextEra’s West Texas wind farms to the San Antonio area. The line was permitted and constructed in less than 18 months.



NextEra Energy Canada believes in clean energy's contribution to our environment....

NextEra Energy, Inc. Demonstrates Environmental Leadership



**Pioneer Partner
World Wildlife
Fund's
PowerSwitch'
Program**



Charter partner and 1st utility



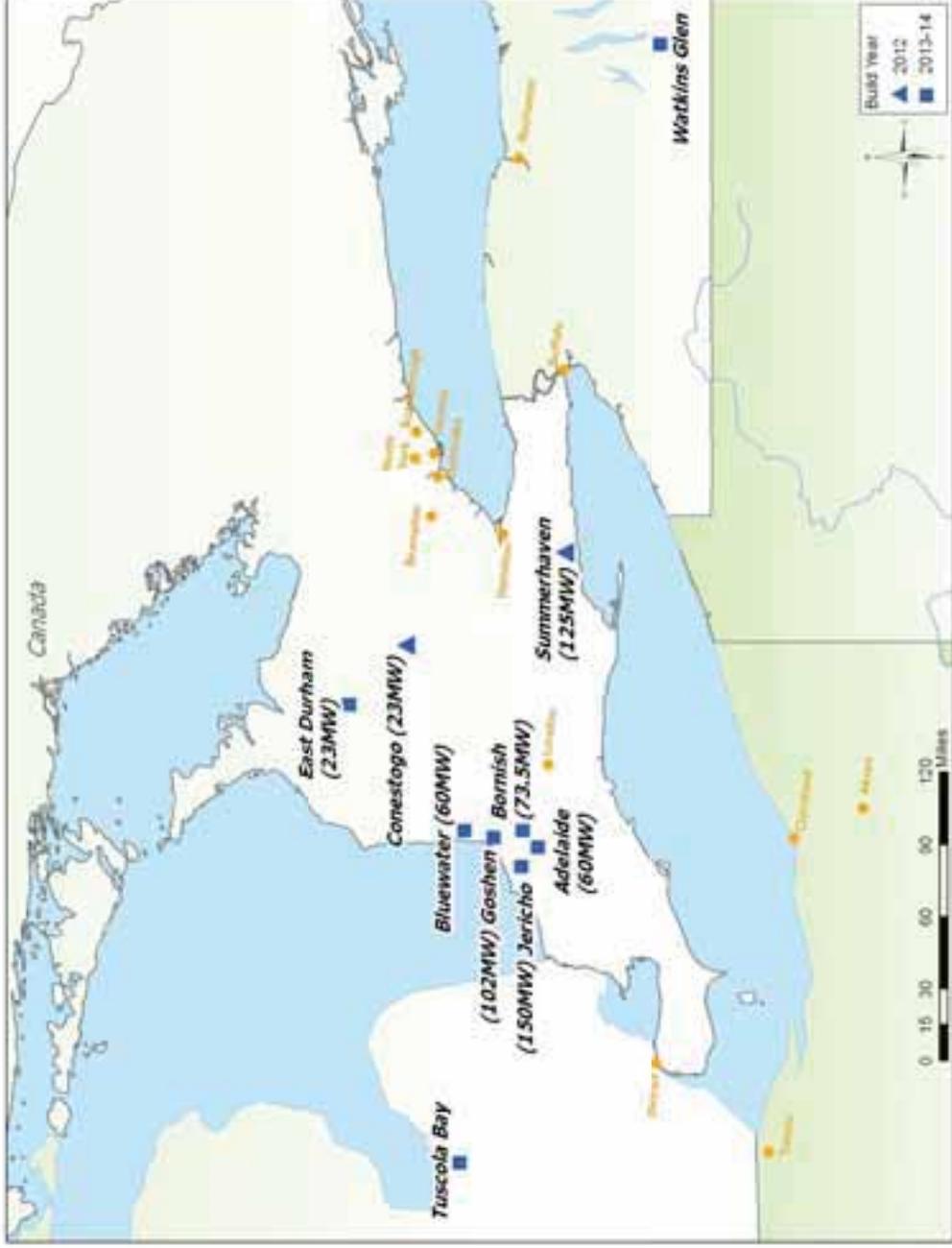
NextEra Energy Canada is focused on future development in Canada...

NextEra Energy Canada's experience across Canada

- **Development in Canada started in 2006**
- **Office in Burlington, Ontario established in March 2007**
- **Four operating wind facilities in Canada:**
 - Mount Copper, 54 MW in Murdochville, Quebec
 - Mount Miller, 54 MW in Murdochville, Quebec
 - Pubnico Point 31 MW in Yarmouth, Nova Scotia
 - Ghost Pine 82 MW, Trochu, Alberta
- **Two FIT contracts received in Ontario:**
 - Summerhaven 125 MW and Conestogo 23 MW
- **Six projects (469 MW) awaiting FIT contracts in Ontario**
- **Strong development pipeline in New Brunswick, Nova Scotia, Quebec, British Columbia and Ontario**

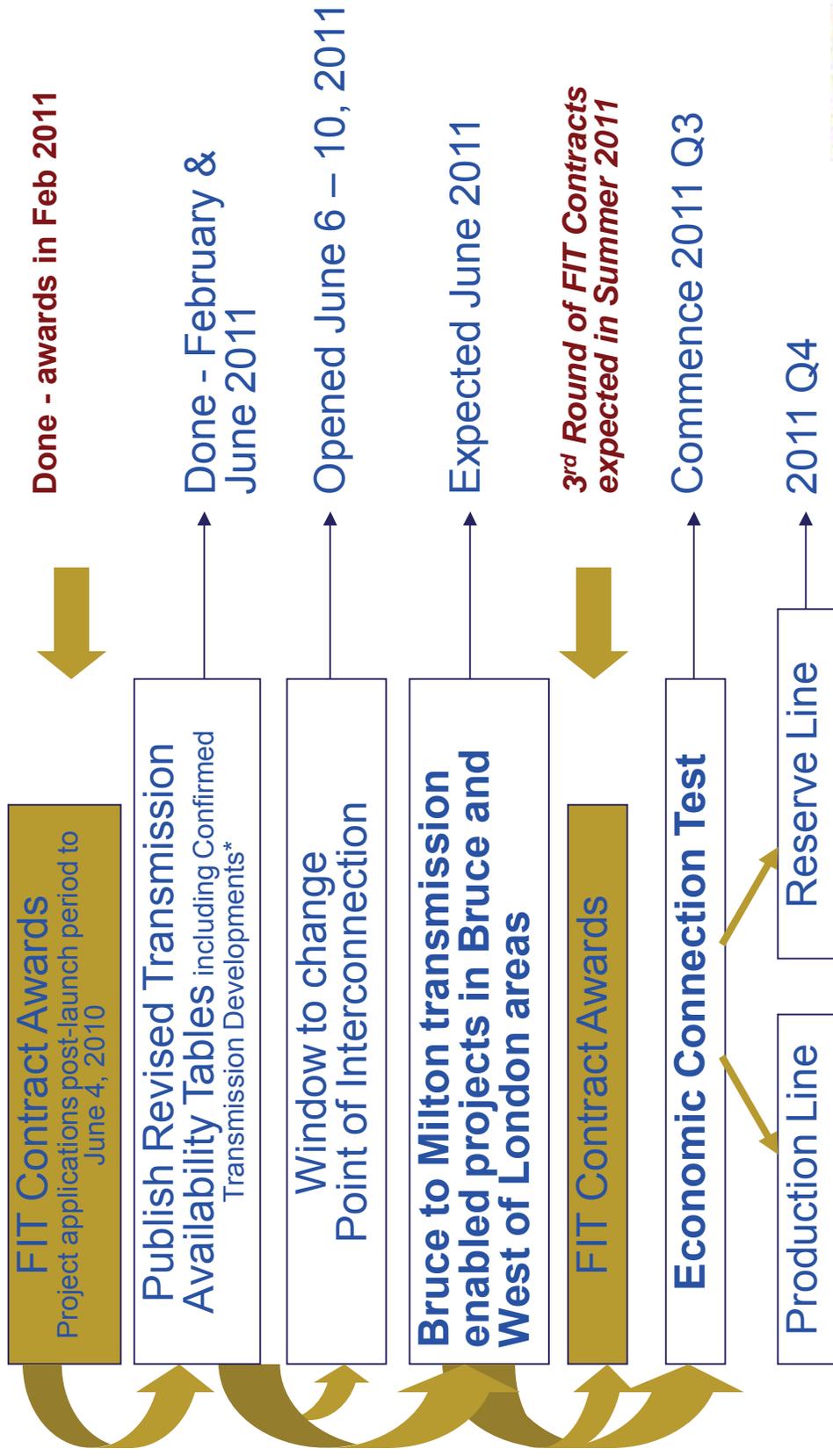
NextEra has a pipeline of projects across Southwestern Ontario, some in partnership with Canadian Green Power

Geographic Location



Additional FIT contracts are expected to be awarded this summer...

Ontario Feed-In Tariff Program: Current Status



*Includes transmission enabled by the Bruce to Milton expansion
Proprietary & Confidential Information

The Goshen project ranked 1st in the Bruce area and 9th in the Province...

Project Overview: Goshen Wind Energy Centre

- **Permitting up to 130 MW**
- **102 MW FIT Application**
- **45 to 64 turbines**
 - GE 1.6 MW/2.5 MW or Siemens 2.3 MW turbines
 - Domestic Content = 50 points
 - Tower Height: 80 – 100 m; Blade length: 50 – 51.5m
- **Completed amphibian studies, seasonal avian surveys and bat monitoring, ongoing archaeology and ecological land classification**
- **Transmission analysis currently underway**



Siting – how do we determine turbine location?

Many Factors are Considered

- **Landowner interest**
- **Permitting**
 - Municipal infrastructure
 - Roads, lot lines, dwellings, buildings, etc.
 - Environmental Constraints
 - Wetlands, watercourses, woodlots, areas of natural or scientific interest, known locations of endangered species, etc.
 - Social and Cultural Constraints
 - Noise impacts, telecom & radar, potential archeological zones, etc.
- **Wind Speed**
 - Must optimize layout for wind speed with proper location and proper spacing (to avoid losses from excess wake)
- **Transmission availability**

Multiple iterations are typically required before the final design is established...



What is the approval process now under the Green Energy and Green Economy Act?

Renewable Energy Approvals - Permitting

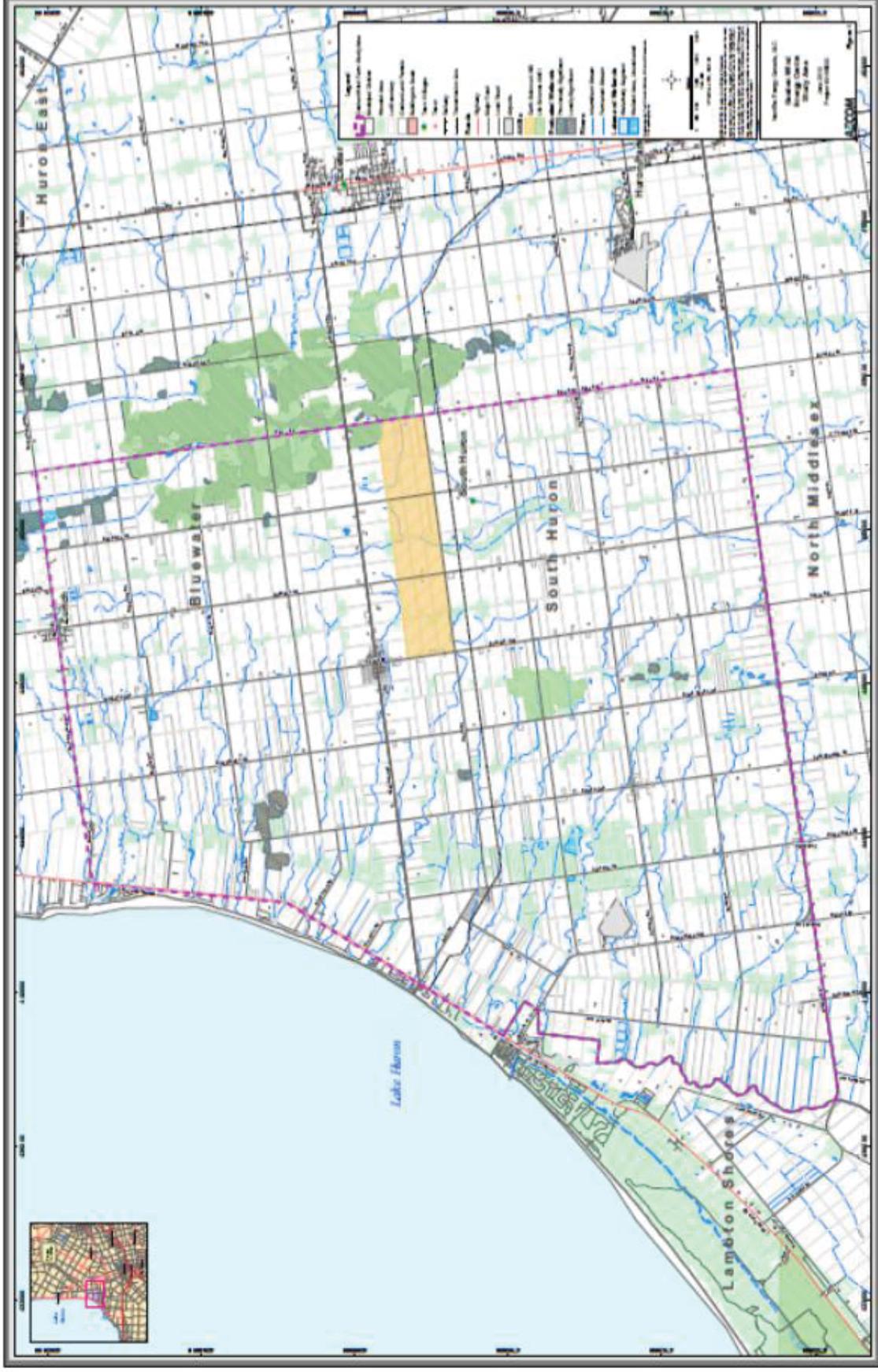
- **REA is the main permit needed before construction can start** – it is given by the Ministry of Environment
- **Critical work to do in Spring and Summer 2011:**
 - biological studies in wooded areas, wetlands and streams
 - archaeological surveys to identify sites
- **Submit reports to provincial agencies – Ministry of Natural Resources, Ministry of Tourism and Culture**
- **Agencies approve reports in Fall 2011**
- **Submit REA to Ministry of Environment end of 2011 (up to 6 months for approval)**

Where will the turbines go?

- The Province of Ontario determines the setbacks that must be observed between wind turbines and features
- Setbacks distances must be observed between property lines, roads, natural features, homes, communication towers, etc
- Distances from homes are also determined by conducting a noise study as per the Ministry of Environment guidelines
- It takes time to obtain all the needed information to determine where turbines can be sited
 - Search databases
 - Consult with agencies
 - Conduct field studies
 - Noise study – computer modeling



Goshen project boundary with natural features identified...



Next Steps...

Proposed Project Timeline

Task/Milestone	Timeline
Archaeology Fieldwork	April 2011
Biological Fieldwork	April – September 2011
FIT Contract Award	Summer 2011
Draft Turbine Layout	Early Summer 2011
Draft Renewable Energy Approval Release	Fall 2011
Submission of Final REA	End of 2011
Receive REA	Summer 2012
Begin Construction	Late Summer 2012
Commercial Operation	Spring 2013

Timeline depends on outcome of FIT contracting process...



NextEra Energy Canada is well positioned to deliver economic development opportunities for communities in Southwestern Ontario...

What NextEra Energy Canada Offers

- **Deliver long-term energy generation solutions that are cost effective, environmentally responsible and stimulate economic activity**
- **Financial strength to stand behind our plan**
- **Execution track record & core competency**
- **Operational experience to ensure reliability**
- **Supply-chain relationships and scale**
- **Economic development**



Thank You!

NextEra Energy Canada, ULC

www.canadianwindproposals.com

goshen.wind@nexteraenergy.com

(905) 335-4904



**Low Frequency Noise Committee Meeting
Clinton Town Hall, Central Huron
October 3, 2011**

Attendance:

Brian Barnim, Chair
Roger Watt, Councillor, ACW
Steve Fortier, CBO, Morris-Turnberry
George Irvin, Councillor, Bluewater
Randy Scott, Councillor, Howick
Scott Tousaw, Huron County Planning and Development
Sandra Weber, Huron County Planning and Development

Action Items:

-The Draft LFN Report to the Huron County Committee of the Whole was reviewed and the following changes were agreed to:

- Add a sentence to the General Information section about vibration which is emitted below the limits of human perception, but is detected by body organs other than the ears.
 - Last bullet on page 2 – change to LFN is not adequately regulated by MOE (lower frequencies are heavily discounted by the weighted scale).
 - Recommend that the County have more discussion on this subject with the Ministers. A meeting with the relevant Ministers should be arranged at a future conference (ROMA, AMO).
 - Add wind turbines as an example of LFN.
 - Determine the actual expenditures of this Committee to date and include in the report.
- The report will be revised and e-mailed back out to the Committee for review prior to taking to the County Committee of the Whole meeting. The Committee of the Whole meeting is Wed., Nov. 9, 2011 at 9 a.m. at the Huron County Health and Library Complex.
- Members of the Committee are welcome to take the revised report to their local Councils for discussion.
- Dave Hemingway has a copy of the video “Wind Fall” and is willing to share the video with the Committee. He also has access and permission to share presentations from the International Conference on Wind Energy.

Next Meeting Date: At the call of the Chair, and subject to further direction from County Council.

COORDINATION OF THE COUNTY OF HAMILTON

Planning and Development Department

To: Chair and Members of the Committee of the Whole, Day 1
From: Low Frequency Noise (LFN) Committee
Date: October 11, 2011
Subject: LFN Committee Findings and Recommendations

Recommendation

The LFN Committee recommends that its findings and recommendations be approved and circulated to all Ontario Municipalities, AMO and ROMA for endorsement, and circulated to MPPs including the Minister of the Environment, and to the Ministry of the Environment.

Background

The following motion was approved by County Council on February 2, 2011: *“that County Council direct the Planning Department to establish a Committee of Lower Tier and County representatives and County staff to investigate the effect and action that may be taken by governments concerning low frequency noise.”*

The LFN Committee is chaired by Councillor Barnim, and consists of the Warden, 2 County Councillors, representatives from 4 of the 9 local municipalities (4 councillors and 4 chief building officials) and Health Unit and Planning staff.

The committee met on April 11, May 11 and October 11, 2011. All meeting notices, meeting summaries, and shared information were sent to an email list including all committee members, municipal clerks, and interested stakeholders (property owners, wind energy companies, etc.).

Comments

The LFN Committee reviewed and discussed dozens of reports and studies (hundreds of pages) pertaining to Low Frequency Noise and related issues. The findings and recommendations of the LFN Committee are as follows.

General

- low frequency noise (LFN) can be described as sound in the audible frequency range below 100 Hz and includes sound in the sub-audible range (infrasound) <20 Hz
- noise is defined as unwanted sound
- infrasound (<20 Hz) can be audible at very high decibels (sound pressure)
- all frequencies produce vibration—sub-audible vibrations may not be perceived by the human ear, but may be perceived through other organs in the human body

- LFN travels further in the environment because it is attenuated less by buildings and other obstructions than higher frequency noise
- common sources of LFN are ventilation and air-moving equipment, road traffic, trains, manufacturing processes, farm equipment, and wind turbines
- a small percentage of the population has a higher sensitivity to sound and may find it bothersome or annoying (the percentage is debated, but seems to be in the range of 2% - 10%)
- there is no scientific consensus on whether LFN can affect human health, although there is recognition that severe annoyance can lead to stress-related illness
- LFN is not adequately regulated in Ontario by the MOE noise regulations (e.g., decibel limits at sensitive receptors lower frequencies are heavily discounted by the weighting scale used)
- where a land use that is known to generate LFN is proposed at a scale or location that may create community concern, municipalities should request the proponent to provide studies by qualified professionals on the pre-development background LFN in the area, the modelled additional LFN from the project, and the anticipated effects of the LFN

LFN Studies

- the Ministry of the Environment (MOE) should release its promised LFN study immediately, to be followed by a discussion of the need for content of a LFN regulation the public has been waiting for this study since December 2010
- the LFN Committee should provide comments to County Council on the MOE study when released
- the Research Chair appointed by the Ontario Government under the Green Energy Act should commission epidemiological studies on LFN and human health (one such study has commenced by an inter-disciplinary team of researchers at the University of Waterloo)

Comments

- when commenting on Renewable Energy Approval (REA) applications, where a land use that is known to generate LFN is proposed at a scale or location that may create community concern, municipalities should request the proponent (through MOE) to provide studies by qualified professionals on the pre-development background LFN in the area, the modelled additional LFN from the project, and the anticipated effects of the LFN

Lobby Efforts

- the AMO conference organizing committee should plan a session on LFN (at ROMA, AMO, SW Municipal Conference, etc.)
- the County should arrange a delegation to present LFN concerns to the relevant Ministers at an appropriate opportunity (e.g., ROMA, AMO, etc.)
- a motion supporting the above actions should be passed and circulated to all Ontario municipalities, AMO and ROMA for endorsement, and circulated to MPPs including the Minister of the Environment and to the Ministry of the Environment

Others Consulted – LFN committee Report compiled by S. Tousaw and S. Weber, PhD Dept.

Budget Implications – Total disbursements for the LFN committee to date are \$19.1 (meeting room rentals, refreshments, staff mileage). Apart from meeting expenses, the LFN Committee has not required the budget allocation approved by Council on April 6, 2011 (up to \$50,000 from the 2011 Provision for Unforeseen). Hired expertise may be required when reviewing the MOE's LFN study and regulations.

Owen, Jennifer

Subject: F ☐ ☐Letter for County Council Mtg ☐Nov ☐
Attachments: ltr☐county☐fn☐response2011☐10☐1☐.pdf

From: Dudek, Derek [<mailto:Derek.Dudek@nexteraenergy.com>]

Sent: Wednesday, October 19, 2011 11:25 AM

To: bwilson@huroncounty.ca

Cc: Scott Tousaw; nreynolds@huroncounty.ca; Cushing, Julia

Subject: Letter for County Council Mtg - Nov 9

Hello Ms. Wilson,

Please find attached a letter which we wish to have included on the agenda for the Huron County Council meeting of November 9, 2011. The letter is in regards to the County's Low Frequency Noise Committee report which is scheduled for the same meeting.

Thank you, and please don't hesitate to contact me if you have any questions.

Derek Dudek | Community Relations Consultant

NextEra Energy Canada, ULC

5500 North Service Road, Burlington, ON L7L 6W6

o:905.335.4904 x18 f:905.335.5731

mobile - 519.318.0237

derek.dudek@nexteraenergy.com



October 19, 2011

Warden and Members of Council
Corporation of the County of Huron
1 Courthouse Square
GODERICH, ON N7A 1M2

Dear Warden Vincent and Members of Council:

NextEra Energy Canada has been actively attending the County's Low Frequency Noise (LFN) Committee meetings based on the interests we have within Huron County relating to two of our proposed renewable energy projects. These projects include:

- Bluewater Wind Energy Centre – 60 MW facility with up to 37 turbines located in the Municipality of Bluewater, and a proposed transmission line which extends into the Municipality of Huron East; and
- Goshen Wind Energy Centre – 102 MW facility with up to 63 turbines located within both the Municipality of Bluewater and Municipality of South Huron.

It is our understanding that the LFN Committee has been charged with reviewing potential sources of low frequency noise within Huron County, which may include, but is not limited to wind turbines; and making recommendations for further action to ultimately be determined by County Council. NextEra Energy Resources takes concerns related to human health and safety seriously and retained Epsilon Associates, Inc. in 2009 to investigate the impacts of wind turbine generated low frequency sound on the human environment.

"A Study of Low Frequency Noise and Infrasound from Wind Turbines" by Epsilon Associates includes actual field studies undertaken at our Horse Hollow Wind Farm in 2008. This study was provided to the LFN Committee as part of their literature review.

While the LFN Committee made it clear at the initial meeting that they did not wish to receive any assistance from wind energy developers for reasons of bias, it is our opinion that this report offers no bias, whereby *"Epsilon determined all means, methods, and the testing protocol without interference or direction from NextEra. No limitations were placed on Epsilon by NextEra with respect to the testing protocol or upon the analysis methods."* (pg 7-1).

The conclusions of this report note specifically that the turbines tested in the field studies (Siemens SWT2.93-93 and GE1.5sle) meet all American and UK standards at a distance of 305 metres (1000ft), and more specifically:

- Have no audible infrasound to the most sensitive listeners; and
- Might have slightly audible low frequency noise at frequencies at 50 Hz and above depending on other sources of low frequency noise in homes, such as refrigerators.

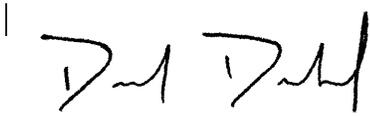
This study was peer reviewed and published in the March-April 2011 Noise Control Engineering Journal, the technical publication of the Institute of Noise Control Engineering of the USA. As such, we would argue that low frequency noise specifically from wind turbines, has been adequately considered by the Province through Ontario Regulation 359/09, by ensuring that setbacks from sensitive land uses is a minimum of 550 metres.

NextEra Energy Canada, ULC

5500 North Service Road, Suite 205 Burlington, Ontario L7L 6G6 ☎ 905 335 0000

We hope that this information is of use to County Council in determining a course of action for the LFN Committee and would offer to appear as a delegation to provide more detailed information on this or any other matters related to our Bluewater and Goshen Wind Energy Centre projects. A link to the full Epsilon Associates report can also be found on our website at www.canadianwindproposals.com.

Thank you,

A handwritten signature in black ink, appearing to read 'Derek Dudek'. The signature is stylized and written in a cursive-like font.

Derek Dudek
Community Relations

cc: Julia Cushing, AECOM

From: Dudek, Derek [<mailto:Derek.Dudek@nexteraenergy.com>]
Sent: Wednesday, October 26, 2011 10:54 AM
To: Lori Wolfe; Michael Di Lullo; Brad Knight; bwilson@huroncounty.ca
Cc: Scott Tousaw; Dave Laurie
Subject: Updated PDR's and MCF's

Hello Lori, Michael, Brad, and Barb,

This email is just to provide you with a heads up that updated information with respect to our Goshen Wind Energy Centre and Bluewater Wind Energy Centre projects is being couriered to your offices today, to each of your individual attention.

The material consists of the updated Project Description Reports (PDR) and Municipal Consultation Forms (MCF). The PDR's provide high level information on the projects, while the MCF's are intended to form the basis for municipal comments to the Ministry of the Environment.

We are not currently seeking comments on matters identified in the MCF's, but rather are providing them, as required, to turn attention to matters which are of interest to the Province, but where municipal input would be required.

Both the Municipality of Bluewater (contains Bluewater and Goshen projectst) and Huron County (upper-tier jurisdiction over entire County) will be receiving copies for each project. South Huron will only receive the material associated with the Goshen WEC project and Huron East will only receive the material associated with the Bluewater WEC project.

Please do not hesitate to contact me if you have any questions.

Derek Dudek | Community Relations Consultant
NextEra Energy Canada, ULC
5500 North Service Road, Burlington, ON L7L 6W6
o:905.335.4904 x18 f:905.335.5731
mobile - 519.318.0237
derek.dudek@nexteraenergy.com

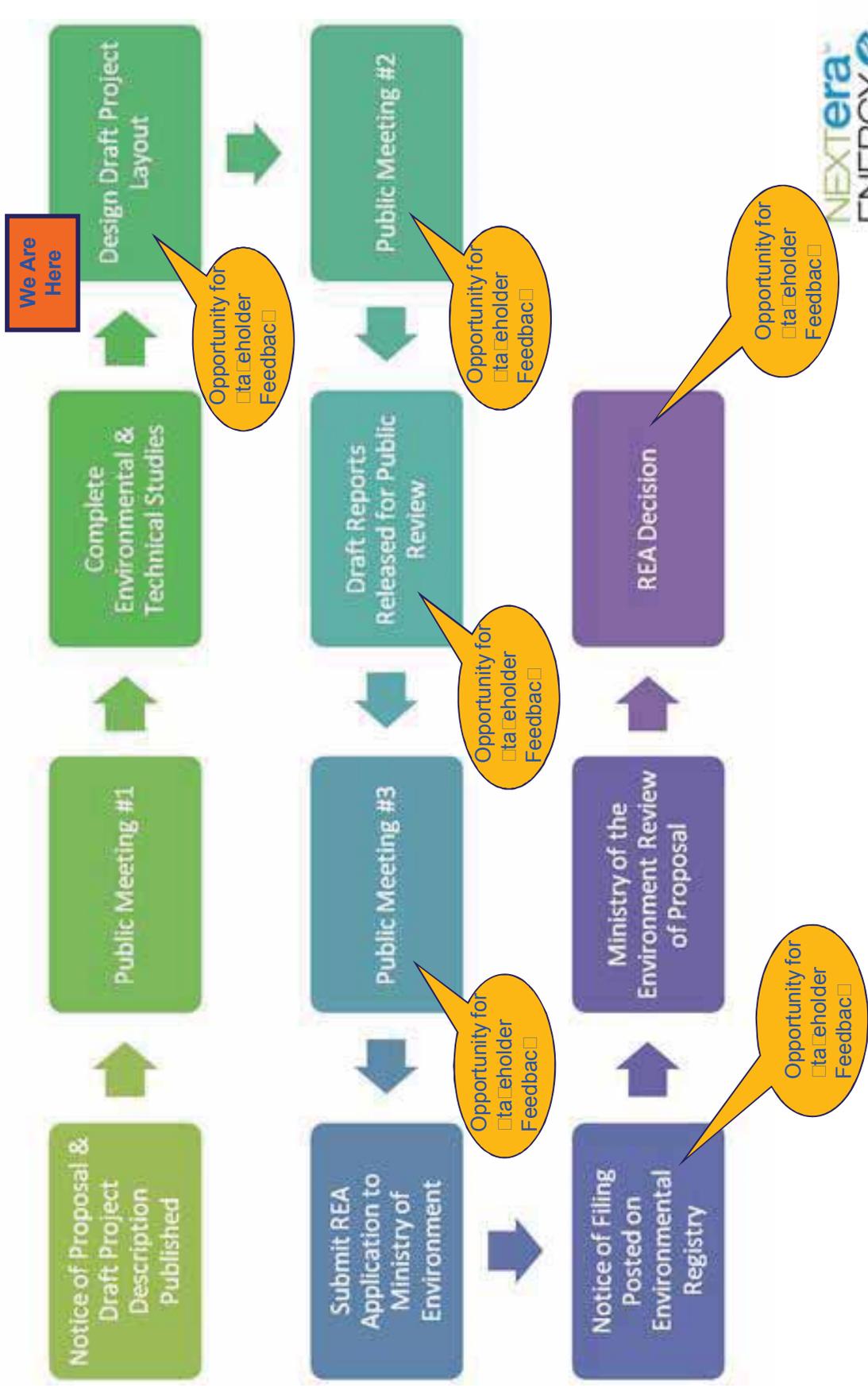


**Project Update – Goshen Wind Energy
Centre
NextEra Energy Canada, ULC**

**Nicole Geneau, Development
Derek Dudek, Community Relations**

October 31, 2011

Renewable Energy Approvals Process



Project Timeline: Goshen Wind Energy Centre

Task/Milestone	Timeline
<input type="checkbox"/> raft <input type="checkbox"/> urbine Layout	Fall 2011
<input type="checkbox"/> raft <input type="checkbox"/> enewable Energy Approval <input type="checkbox"/> elease	Early <input type="checkbox"/> inter 2012
<input type="checkbox"/> ubmission of Final <input type="checkbox"/> EA	<input type="checkbox"/> pring 2012
<input type="checkbox"/> eceive <input type="checkbox"/> EA	Early Fall 2012
<input type="checkbox"/> egin Construction	<input type="checkbox"/> pring 201 <input type="checkbox"/>
Commercial Operation	Fall 201 <input type="checkbox"/>



Goshen WEC on track for 2013 construction date

Project Update: Site-Specific Environmental Studies

- Breeding bird (completed May – July 2011; same planned 2012)**
 - Visual and audio survey of breeding bird species in early morning
- Amphibian (completed April – late June 2011; same planned 2012)**
 - Audio survey of amphibian breeding calls at night
- Bat (June – July 2011; same planned 2012)**
 - Survey for bat habitat during day and bat activity at night
- Ecological Land Classification (ongoing to mid November 2011)**
 - Vegetation mapping and survey of plant species
- Aquatic (ongoing to mid-late November 2011)**
 - Visual survey of stream characteristics and fish observations
- Stage 2 Archaeological Assessments (ongoing to early November 2011)**
 - Pedestrian surveys to identify collect artifacts

Consultation Plan

Project Update: Goshen Wind Energy Centre

- First Open House in South Huron June 30, 2010**
- Round Table Meeting – July 2011**
- South Huron Chamber of Commerce – August 2011**
- Planned One-on-one Meetings – November 2011**
- Next Public Open House – December 8, 2011**
 - arna (directed towards Municipality of luewater residents)**

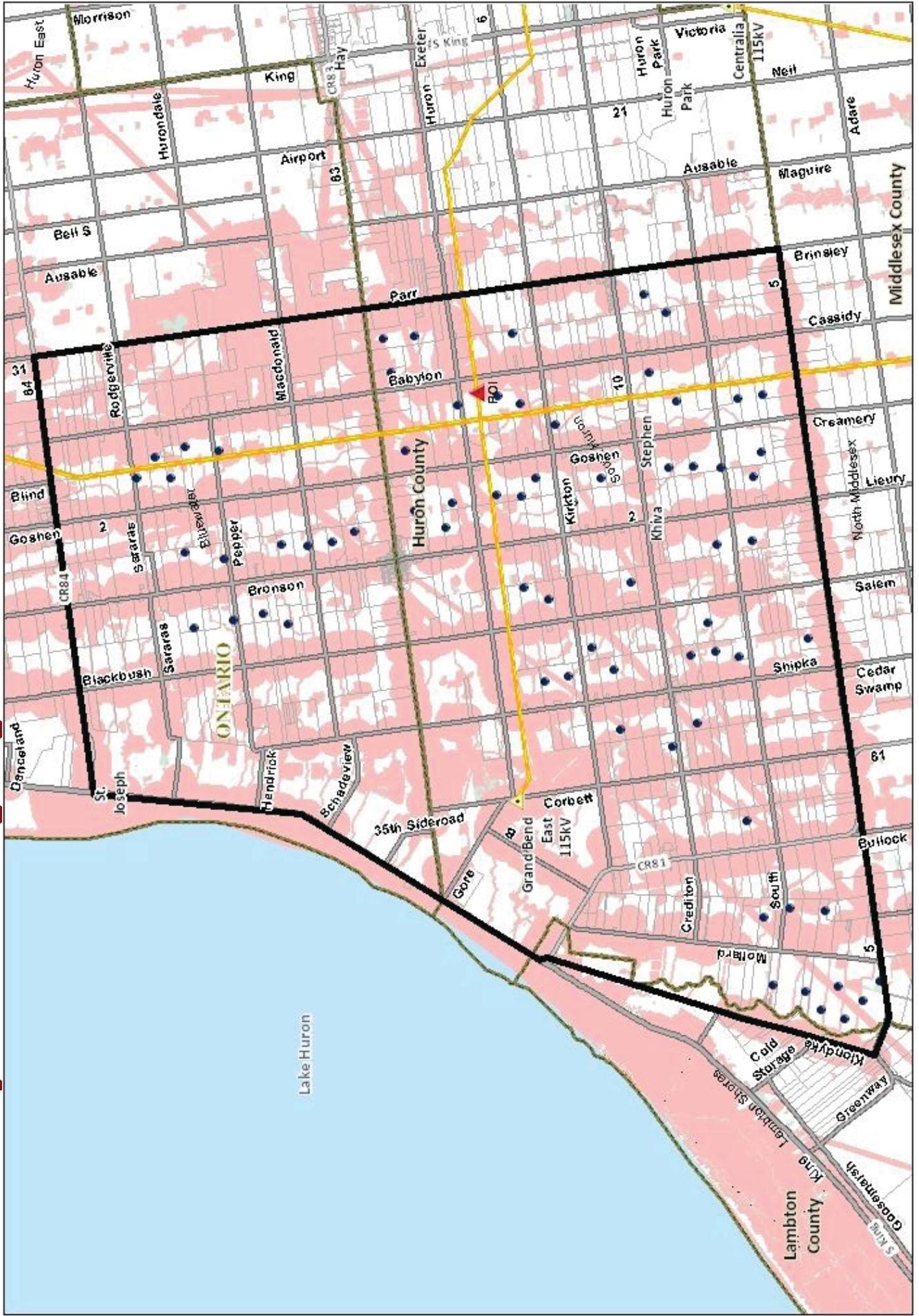
Goshen WEC draft layout to be released shortly...

Project Update: Draft Layout

- Draft Layout to be released**
 - 6 turbines total
 - 1.6 MW turbines
 - Tower Height 100m blade length 50m
 - Current draft turbines in Goshen (15 in Goshen)
 - Each turbine requires only 0.6 hectares of land to be removed from agricultural production (turbine base, access road)
- Draft Transmission route (2 Interconnection Plans)**
 - Goshen 115kV substation 15 between Concord and 10
 - 115kV Line 15 airton dump
 - Point of Interconnection HONL dump Union Line



Draft Layout – Still ongoing modifications



The Goshen Wind Energy Centre will bring many benefits to South Huron....

Economic Impacts: Goshen Wind Energy Centre

- Approximately 250 construction jobs**
- Approximately \$15 million in construction earnings**
- Approximately 8-10 operations and management jobs**
- Approximately \$20 million in earnings during operations**
- Supply chain jobs (blades, gearbox, casings, towers, generators, driveshafts, power converters)**
- Induced jobs (hospitality, construction service, security, auto/heavy machinery maintenance, etc.)**

economic impact numbers are estimated based on the 20 year life of the project



The Goshen Wind Energy Centre will bring many benefits to South Huron....

Economic Impacts: Goshen Wind Energy Centre

- Municipal Assessment**
 - Total Annual Taxation \$10,000 (Municipal, County, Education)
- Infrastructure Upgrades**
 - Roads, bridges, culverts, etc.
 - \$200M proposed development review fees
- Proposed Community Vibrancy Fund**
 - Funding for recreational sustainability community projects
 - \$500M \$500M transmission Line in Public

Municipal Agreements

- Construction Road Use Right-of-Way Agreement
- Amenities Agreement
- Building Permits

Proprietary Confidential Information



Happy Halloween!!!

NextEra Energy Canada, ULC

www.canadianwindproposals.com

goshen.wind@nexteraenergy.com

(905) 335-4904





Introduction

NextEra Energy Canada, ULC

Derek Dudek, Community Relations

November 9, 2011

Cautionary Statements And Risk Factors That May Affect Future Results

Any statements made herein about future operating and financial results and other future events are forward-looking statements under the Safe Harbor Provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements may include, for example, statements regarding anticipated future financial and operating performance and results, including estimates for growth. Actual results may differ materially from such forward-looking statements. A discussion of factors that could cause actual results or events to vary is contained in our securities and Exchange Commission (SEC) filings.

NextEra Energy is a premier power company comprised of three strong businesses



- \$23.7 B market capitalization⁽¹⁾
- 42,588 MW in operation
- \$53 B in total assets



- One of the largest U.S. electric utilities
- Vertically integrated, retail rate-regulated
- 4.5 MM customer accounts
- 23,722 MW in operation



- Successful wholesale generator
- U.S. leader in renewable generation
- Assets in the U.S. and Canada
- 18,866 MW in operation



- Regulated utility in Texas
- Approximately \$800 MM CREZ transmission line expected to be brought into service in 2013

A growing, diversified and financially strong company

1) Market capitalization as of August 2, 2011. Source: FactSet

Note: All other data as of December 31, 2010 includes NextEra Energy Resources natural gas-fired generating assets totaling 2,152 MW which are under contract for sale

□

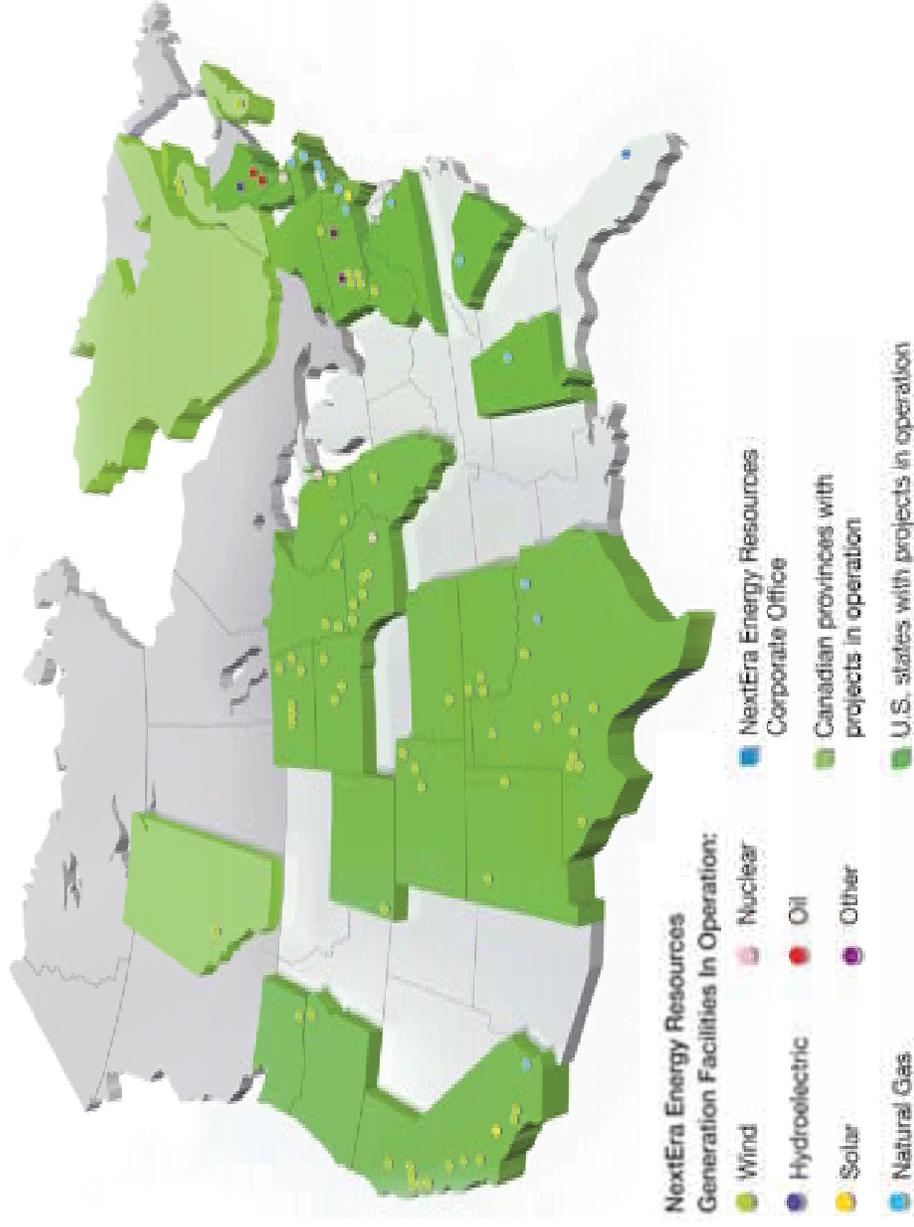
Proprietary □ Confidential □ Information



NextEra Energy Resources has 18,866 MW located across 26 states and 3 provinces in Canada

NextEra Energy Resources Portfolio⁽¹⁾

- Successful wholesale generator
- U.S. leader in renewable generation
- 5th largest wind energy owner in Canada
- Physical assets in 26 states and Canada
- 18,866 MW in operation
- \$4.6 billion in operating revenues
- \$22.4 billion in total assets



1) All data as of December 31, 2010. Operating revenues for the 12 months ended December 31, 2010 include NextEra Energy Resources' natural gas-fired generating assets totaling 2,152 MW which are under contract for sale

□

Proprietary □ Confidential information

NextEra Energy Resources owns and operates the largest energy fleet from the wind and sun in North America...

Renewable Generation Portfolio



Wind

- No. 1 wind owner in North America
- ~8,300 MW net ownership, including Canada
- More than 21% share of U.S. market
- More than 600 MW of projects in the Ontario Feed-in Tariff program



Solar

- 420 MW in operation or in construction (310 MW @ NextEra Energy Resources and 110 MW @ FPL)
- NextEra Energy Resources operates the largest solar plant in the world
- Pipeline of more than 1,500 MW of new solar projects in North America



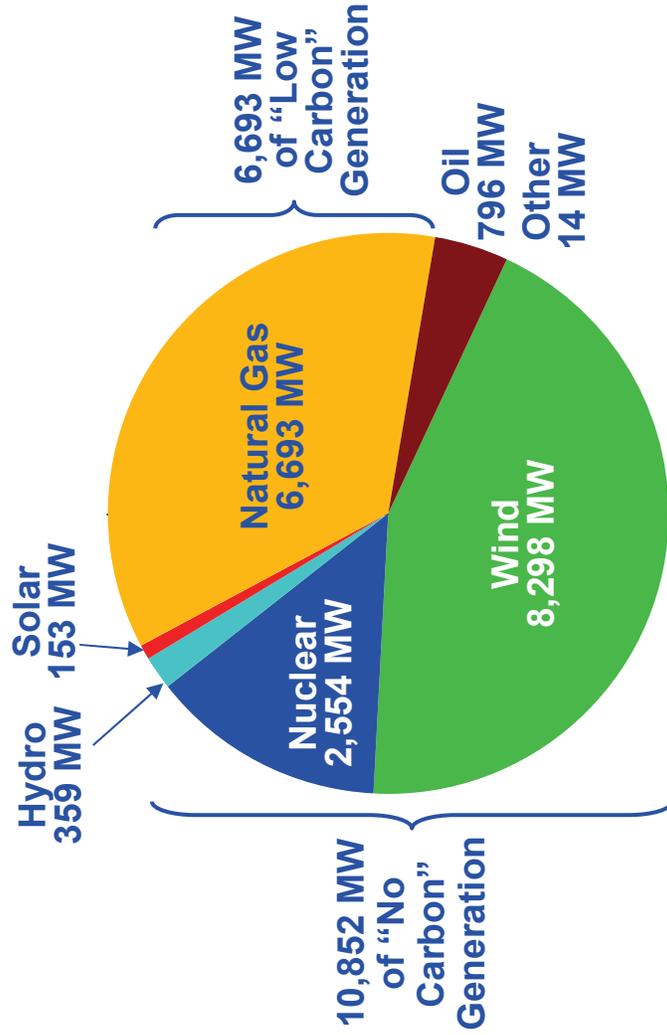
Hydroelectric

- 359 MW net ownership
- Largest producer of hydroelectricity in Maine
- 81 units at 23 projects in Maine
- Enough electricity to power 330,000 homes

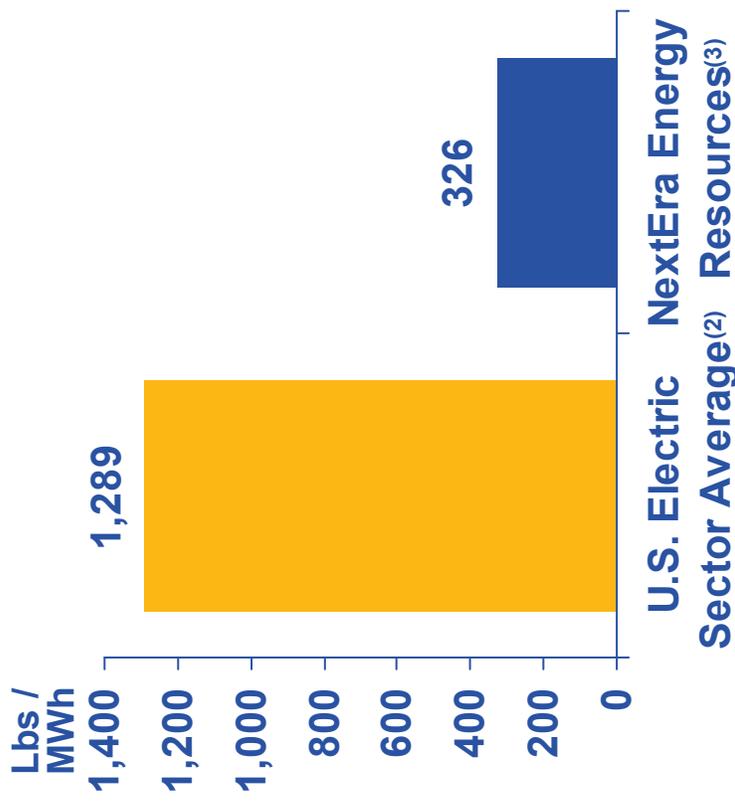


NextEra Energy Resources' portfolio consists of primarily low carbon generation capacity

NextEra Energy Resources Portfolio by Fuel Type⁽¹⁾



2010 CO₂ Emission Rate



With 96% of “no carbon” to “low carbon” generation assets, NextEra Energy Resources has one of the lowest carbon emission rates of any generator

1) As of December 31, 2010 includes NextEra Energy resources natural gas-fired generating assets totaling 2,152 MW which are under contract for sale

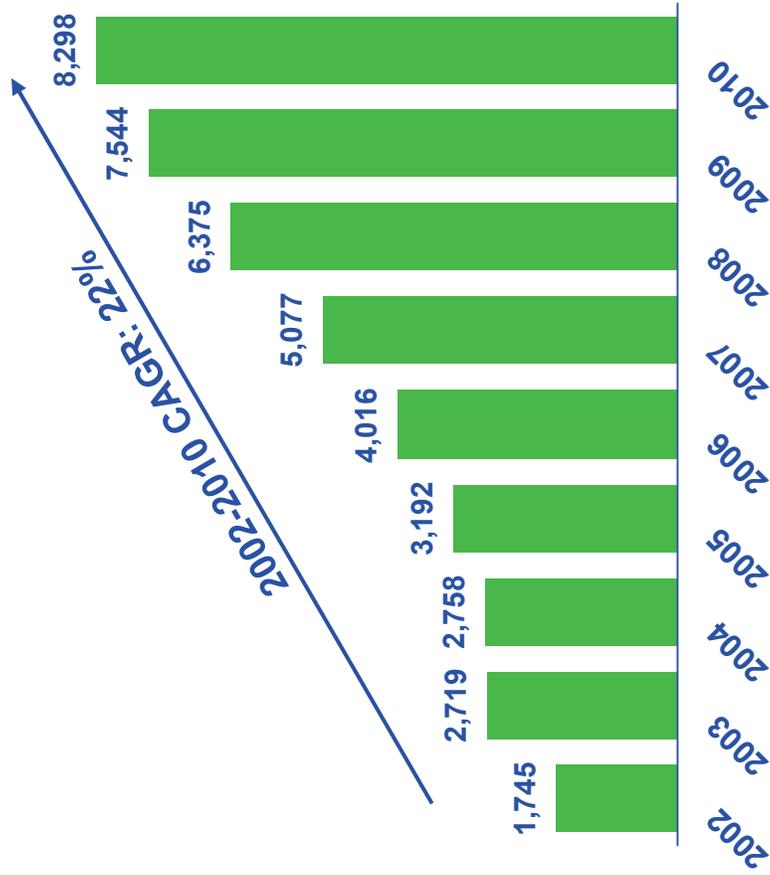
2) Source U.S. Department of Energy

3) This data reflects generation characteristics of NextEra Energy resources' electric generating units; however, the environmental attributes of such generation have been or likely will be sold or transferred to third parties, who are solely entitled to all renewable energy credits, emissions reductions, offsets, and allowances for any purpose, including compliance with any environmental programs

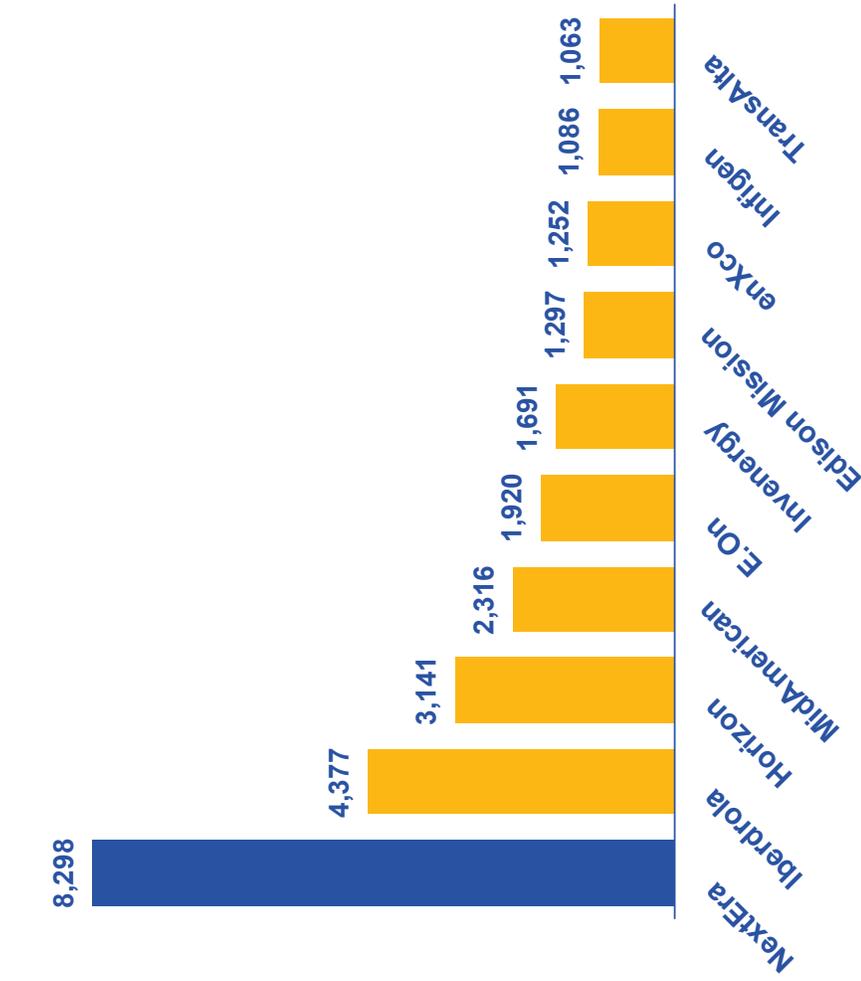


NextEra Energy Resources is by far the largest owner of wind assets in North America, with almost twice as much capacity as the next competitor

**NextEra Energy Resources
Cumulative Wind Growth
(MW)**



**Top North American Wind
Developers / Owners⁽¹⁾
(MW)**



1) Source: IHS Emerging Energy Research as of December 1, 2010

Currently, NextEra Energy Resources has four wind projects across Canada (220 MW); eight new wind projects (616 MW) and a new solar project (40 MW) are under development in Ontario

NextEra Energy Resources Canadian Projects



● Wind
● Solar

□

Proprietary □ Confidential information

NextEra Energy Canada believes in clean energy's contribution to our environment...

NextEra Energy, Inc. Demonstrates Environmental Leadership



Pioneer Partner
 World Wildlife Fund's
PowerSwitch Program



Charter partner and 1st utility

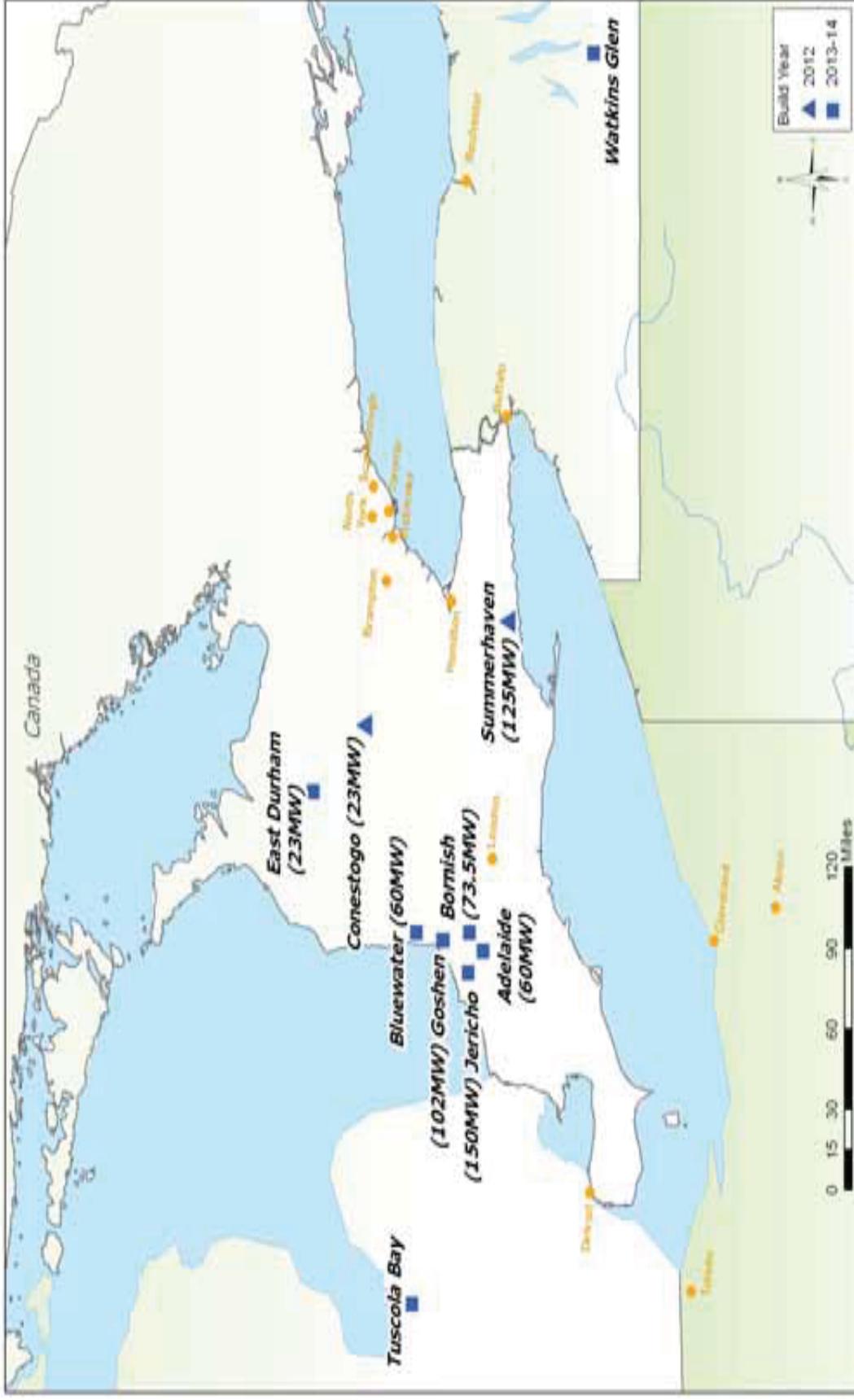


NextEra Energy Canada is focused on future development in Canada...

NextEra Energy Canada's experience across Canada

- Development in Canada started in 2006**
- Office in Burlington, Ontario established in March 2007**
- Four operating wind facilities in Canada:**
 - Mount Copper, 5 M in Murdochville, Quebec
 - Mount Miller, 5 M in Murdochville, Quebec
 - Pubnico Point 1 M in Armouthe, Nova Scotia
 - Host Pine 2 M , Murdochu, Alberta
- Two Ontario projects in review/approvals stage:**
 - Summerhaven 125 M and Conestogo 2 M
- Six projects (469 MW) awarded FIT contracts in Ontario**
- Strong development pipeline in New Brunswick, Nova Scotia, Quebec, British Columbia and Ontario**

NextEra has a pipeline of projects across Southwestern Ontario, some in partnership with Canadian Green Power



Bluewater Wind Energy Centre (WEC) to be connected to grid in Huron East at existing Seaforth Transmission Station

Projects Overview

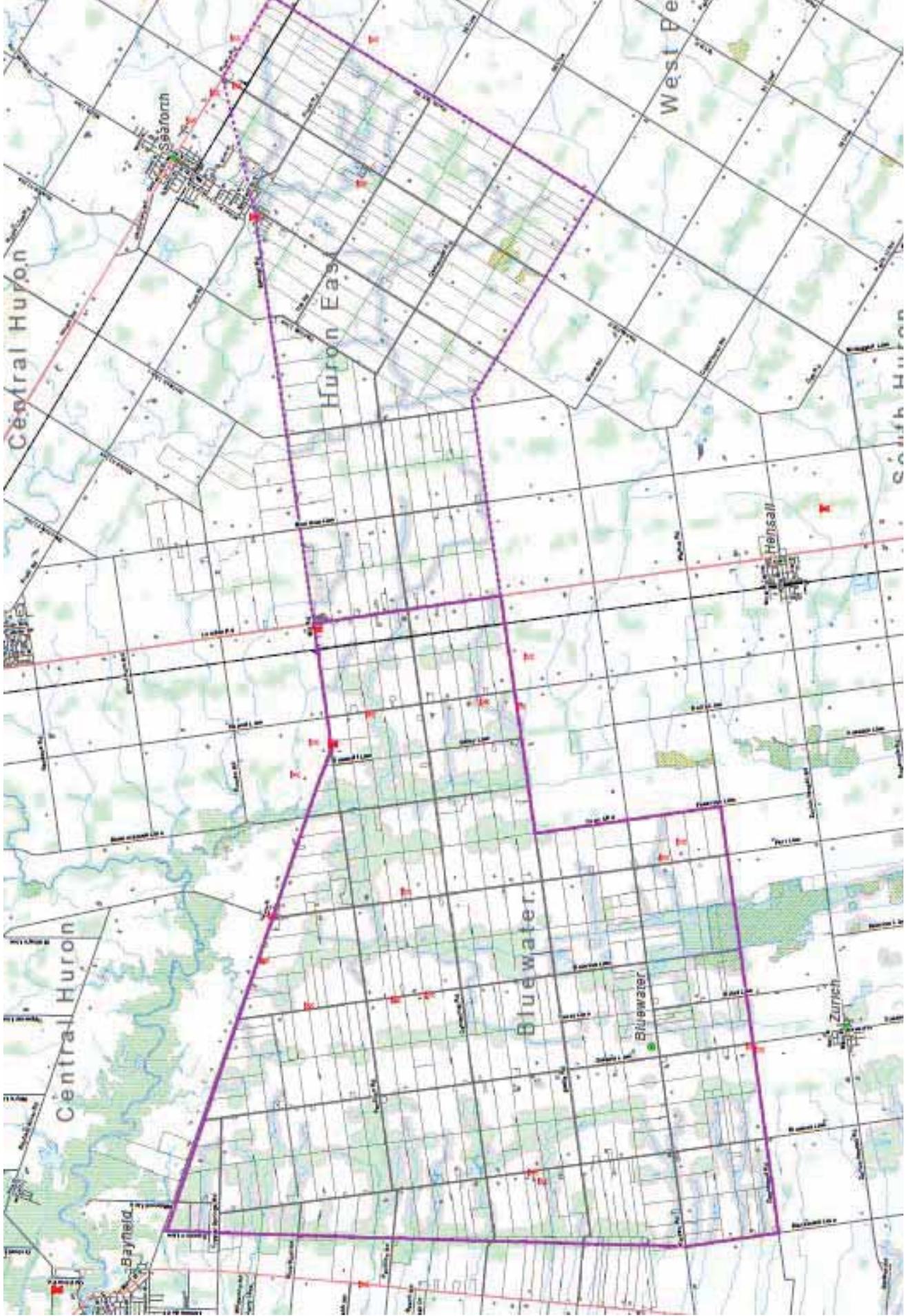
Bluewater WEC

- 60 MW FIT Contract**
- 37 turbines (1.6 MW)**
- Tower Height: 80m; Blade length: 50 – 51.5m**

Goshen WEC

- 102 MW FIT Contract**
- 63 turbines (1.6 MW)**
- Current Draft: 48 turbines in South Huron (15 in Bluewater)**
- Each turbine requires only 0.6 hectares of land to be removed from agricultural production (turbine base, access road)**

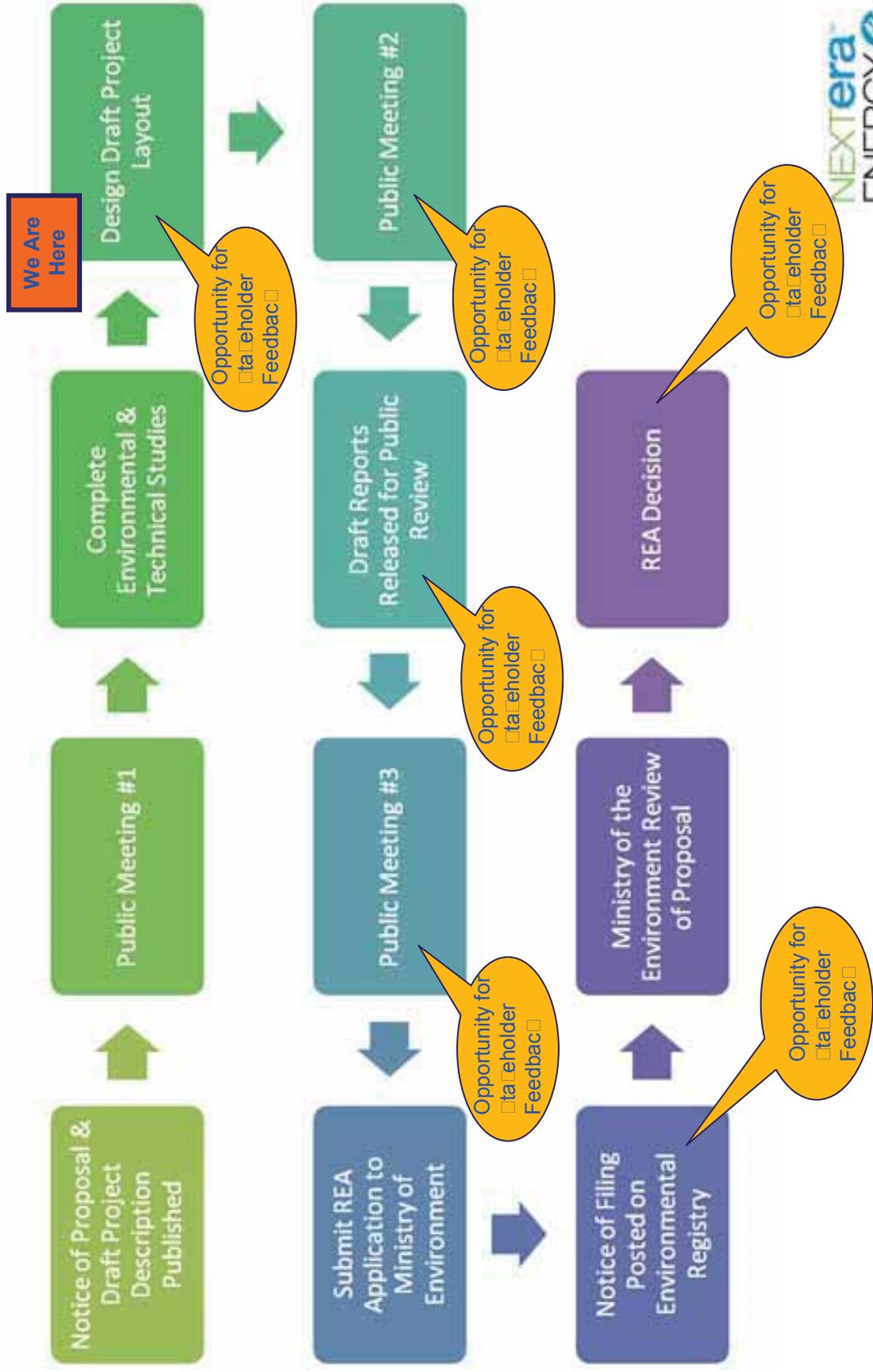
Bluewater Project Area



Goshen Project Area



Renewable Energy Approvals Process



Project Timelines

Task/Milestone	Timeline
<input type="checkbox"/> raft <input type="checkbox"/> turbine Layout	Fall 2011
<input type="checkbox"/> raft <input type="checkbox"/> renewable Energy Approval <input type="checkbox"/> release	Early <input type="checkbox"/> inter 2012
<input type="checkbox"/> submission of Final <input type="checkbox"/> EA	<input type="checkbox"/> Spring 2012
<input type="checkbox"/> receive <input type="checkbox"/> EA	Early Fall 2012
<input type="checkbox"/> begin Construction	<input type="checkbox"/> Spring 201 <input type="checkbox"/>
Commercial Operation	Fall 201 <input type="checkbox"/>

Goshen and Bluewater on track for 2013 construction date

Project Update: Site-Specific Environmental Studies

- Breeding bird (completed May – July 2011; same planned 2012)**
 - Visual and audio survey of breeding bird species in early morning
- Amphibian (completed April – late June 2011; same planned 2012)**
 - Audio survey of amphibian breeding calls at night
- Bat (June – July 2011; same planned 2012)**
 - Survey for bat habitat during day and bat activity at night
- Ecological Land Classification (ongoing to mid November 2011)**
 - Vegetation mapping and survey of plant species
- Aquatic (ongoing to mid-late November 2011)**
 - Visual survey of stream characteristics and fish observations
- Stage 2 Archaeological Assessments (ongoing to early November 2011)**
 - Pedestrian surveys to identify collect artifacts

The projects will bring many benefits to Huron County...

Economic Impacts: Goshen & Bluewater Wind Energy Centre

- Approximately 400 construction jobs
- Approximately 14-18 operations and management jobs
- Total Annual Taxation - \$70,000 (County)
- Infrastructure Upgrades - Roads, bridges, culverts, etc.
- Proposed Community Vibrancy Fund
 - Funding for recreational sustainability community projects
 - \$500M \$500M transmission Line in Public O
- Supply chain jobs (blades, gearbox, casings, towers, generators, driveshafts, power converters)
- Induced jobs (hospitality, construction service, security, auto/heavy machinery maintenance, etc.)

NextEra Energy Canada is well positioned to deliver economic development opportunities for communities in Southwestern Ontario...

What NextEra Energy Canada Offers

- Deliver long-term energy generation solutions that are cost effective, environmentally responsible and stimulate economic activity**
- Financial strength to stand behind our plan**
- Execution track record & core competency**
- Operational experience to ensure reliability**
- Supply-chain relationships and scale**
- Economic development**

Thank You!

NextEra Energy Canada, ULC

www.canadianwindproposals.com

bluewater.wind@nexteraenergy.com

goshen.wind@nexteraenergy.com

(905) 335-4904

Minutes

To/Attention Attendees / Nicole Geneau / Tom Bird / Julia Cushing / File

Date December 22, 2011

From Derek Dudek

Project Goshen

Steno dd

Subject Meeting w/ Lake Huron & Elgin Area Primary Water Supply - Summary & Next Steps - Goshen Wind Energy Centre
235 North Centre Road, London, ON. N5X 4E7
December 21, 2011 - 9am

Present Andrew Henry, John Walker, Brian Lima (LHPWS)
Derek Dudek (NextEra)

Distribution Lake Huron & Elgin Area Primary Water Supply
NextEra
AECOM
File

Item Discussed	Action By
1. LHPWS advised that crossing permits would be required where any infrastructure would cross pipeline easement	NextEra
2. LHPWS primary concern related to where underground cable crosses pipeline and possible corrosion impacts as a result of induced current from electrical lines. Mitigation measures at the expense of proponent may be required in the form of studies, cathodic protection, separation, etc. NextEra and LHPWS will commit to a followup to make inquiries about past experience.	NextEra & LHPWS
3. Advised of 4 chambers (7a, 7b, 8a, 8b) within close proximity to proposed access road for T16. May require avoidance or construction mitigation measures depending on final location of road.	NextEra
4. Currently 1.8m (6') of cover at proposed T16 access road location which will require attention at permitting stage. T16 distance from pipeline OK.	NextEra

- | | |
|---|--------------------------|
| <ul style="list-style-type: none"> □ LHPWS owns 6" (24") pipeline within Huron Street ROW (between Woshen and Babylon Line) located on n/s of ROW at west end, then crosses to s/s near midpoint, T32 proposed driveway access). LHPWS to forward copy of plan/profile drawings for this section. Same concerns □ attention related to Item 2 above. | <p>LHPWS
NextEra</p> |
| <ul style="list-style-type: none"> 6. LHPWS advised that pipeline twinning within existing easement between Shipka Line and South Road to begin in Fall 2012 | <p>None</p> |
| <ul style="list-style-type: none"> 7. LHPWS interested in seeing terms of landowner agreements for comparison purposes. LHPWS interested in possibility of shared easements over certain roads to access pipeline. NextEra to consider after internal review. | <p>NextEra</p> |
| <ul style="list-style-type: none"> 8. Same concerns as Item 2 at T64 to T36 underground cable crossing of pipeline. | <p>LHPWS
NextEra</p> |
| <ul style="list-style-type: none"> □ NextEra and LHPWS to schedule next meeting with NextEra construction/operations reps in Spring 2012 closer to finalization of layout | <p>NextEra</p> |

DRAFT

□ SH staff to forward information to NextEra regarding vacant land suitable for possible operations centre site

South Huron

1□ NextEra to forward draft C□□ and □□ agreements to staff

NextEra

DRAFT

From: [Dudek, Derek](#)
To: [Michael Di Lullo](#); "[bwilson@huroncounty.ca](#)"; "[s.mcauley@town.bluewater.on.ca](#)"
Cc: "[Arlene Parker](#)"
Subject: Goshen - PDR and Meeting Notice
Date: Thursday, April 19, 2012 3:50:00 PM

Hello All,

Just a heads up that you will be receiving updated Project Description Reports and meeting notices for the Goshen Wind Energy Centre project early next week.

The cover letter should describe everything, but basically it's to address the change to Goshen requiring a transmission line in South Huron which has expanded the study area there. Nothing is changing of any substance in Bluewater at this time, but we are required to notify, update, and conduct meetings in each municipality where the project is located.

Please don't hesitate to contact me with any questions in the meantime.

Derek Dudek | Community Relations Consultant

NextEra Energy Canada, □LC

5500 North Service Road, Burlington, ON L7L 6W6

o:905.335.4904 x18 f:905.335.5731

mobile - 519.318.0237

derek.dudek@nexteraenergy.com

THIS IS A PRIVATE, CONFIDENTIAL COMMUNICATION

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April 23, 2012

Stephen McAuley
Municipality of Bluewater
14 Mill Avenue, Box 250
Zurich, Ontario
N0M 2T0

Subject: NextEra Energy Canada, Goshen Wind Energy Project

Dear Mr. McAuley:

Goshen Wind Inc., a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra) is proposing to construct a wind energy project in the Municipalities of Bluewater and South Huron in Huron County, Ontario. The Project will be referred to as the Goshen Wind Energy Centre and will be located on private lands east of Highway 21 in the vicinity of the shoreline of Lake Huron. With a total maximum name plate capacity of 102 MW; the Project is categorized as a Class 4 facility. Although NextEra is seeking a Renewable Energy Approval (REA) for 72 wind turbines, up to a total of 63 are proposed to be constructed for the Project.

We want to let you know about a Public Meeting to provide an update on the proposed transmission line for the Project. The enclosed Notice of Project Meeting explains that a Public Meeting will be held on May 29, 2012 at the South Huron Recreation Centre, 94 Victoria Street East, Exeter and on May 30, 2012 at the Stanley Complex, 38594A Mill Road, Varna. The purpose of this meeting is to provide an update about proposed changes regarding a transmission line for this project.

In addition to the Goshen Notice of Public Meeting, we are enclosing two copies of the updated Project Description Report for the Goshen project. We are providing one copy for internal review and we ask that you make the second copy available on April 25th to members of the public who may like to review the report. The report can also be downloaded from our website at www.NextEraEnergyCanada.com.

Please do not hesitate to contact myself or Derek Dudek (Derek.Dudek@nexteraenergy.com) should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Bird".

Thomas Bird
Environmental Services Project Manager

c.c. Nicole Geneau, NextEra Energy Canada
Derek Dudek, NextEra Energy Canada

Enclosures Goshen Notice of Public Meeting
Goshen Project Description Reports



April 23, 2012

Barbara L. Wilson
Huron County
1 Courthouse Square
Goderich, Ontario
N7A 1M2

Subject: NextEra Energy Canada, Goshen Wind Energy Project

Dear Ms. Wilson:

Goshen Wind Inc., a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra) is proposing to construct a wind energy project in the Municipalities of Bluewater and South Huron in Huron County, Ontario. The Project will be referred to as the Goshen Wind Energy Centre and will be located on private lands east of Highway 21 in the vicinity of the shoreline of Lake Huron. With a total maximum name plate capacity of 102 MW; the Project is categorized as a Class 4 facility. Although NextEra is seeking a Renewable Energy Approval (REA) for 72 wind turbines, up to a total of 63 are proposed to be constructed for the Project.

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Thomas Bird
Environmental Services Project Manager

c.c. Nicole Geneau, NextEra Energy Canada
Derek Dudek, NextEra Energy Canada

Enclosures Goshen Notice of Public Meeting
Goshen Project Description Reports



April 23, 2012

Michael Di Lullo
Manager of Corporate Services/Clerk
Municipality of South Huron
322 Main Street South, P.O. Box 759
Exeter, Ontario
N0M 1S6

Subject: NextEra Energy Canada, Goshen Wind Energy Project

Dear Mr. Di Lullo:

Goshen Wind Inc., a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra) is proposing to construct a wind energy project in the Municipalities of Bluewater and South Huron in Huron County, Ontario. The Project will be referred to as the Goshen Wind Energy Centre and will be located on private lands east of Highway 21 in the vicinity of the shoreline of Lake Huron. With a total maximum name plate capacity of 102 MW; the Project is categorized as a Class 4 facility. Although NextEra is seeking a Renewable Energy Approval (REA) for 72 wind turbines, up to a total of 63 are proposed to be constructed for the Project.

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Thomas Bird
Environmental Services Project Manager

c.c. Nicole Geneau, NextEra Energy Canada
Derek Dudek, NextEra Energy Canada

Enclosures Goshen Notice of Public Meeting
Goshen Project Description Reports



DELIVERED

June 29, 2012

Stephen McAuley
Municipality of Bluewater
14 Mill Avenue, Box 250
Zurich, Ontario
N0M 2T0

Dear Mr. McAuley:

Subject: NextEra Energy Canada, ULC – Goshen Wind Energy Centre

We are writing this letter (in accordance with Ontario Regulation 359/09) to share more information with you about our Goshen Wind Energy Centre in southwestern Ontario.

First, we enclose a copy of a Notice, which explains that a Draft Site Plan is being issued for the Goshen Wind Energy Centre. Issuing this Draft Site Plan confirms the existing noise receptors (houses, etc.) that we must consider in planning our Project.

Second, we enclose two copies of the actual Draft Site Plan. This Draft Site Plan will provide you with information on the Project Components and their proposed locations. We are providing one copy for internal review and we ask that you make the second copy available to members of the public who may like to review the report. The report can also be downloaded from our website at www.NextEraEnergyCanada.com.

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Thomas Bird
Environmental Services Project Manager

Info. c.c. Nicole Geneau, NextEra Energy Canada, Project Director
Derek Dudek, NextEra Energy Canada

Enclosures Goshen Notice of Draft Site Plan and Draft Site Plan Report

DELIVERED

June 29, 2012

Barbara L. Wilson
1 Courthouse Square
Goderich, Ontario
N7A 1M2

Dear Ms. Wilson:

Subject: NextEra Energy Canada, ULC – Goshen Wind Energy Centre

We are writing this letter (in accordance with Ontario Regulation 359/09) to share more information with you about our Goshen Wind Energy Centre in southwestern Ontario.

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Sincerely,



Thomas Bird
Environmental Services Project Manager

Info. c.c. Nicole Geneau, NextEra Energy Canada, Project Director
Derek Dudek, NextEra Energy Canada

Enclosures Goshen Notice of Draft Site Plan and Draft Site Plan Report

DELIVERED

June 29, 2012

Michael Di Lullo
322 Main Street, PO Box 759
Exeter, Ontario
N0M 1S6

Dear Mr. Di Lullo:

Subject: NextEra Energy Canada, ULC – Goshen Wind Energy Centre

We are writing this letter (in accordance with Ontario Regulation 359/09) to share more information with you about our Goshen Wind Energy Centre in southwestern Ontario.

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Sincerely,



Thomas Bird
Environmental Services Project Manager

Info. c.c. Nicole Geneau, NextEra Energy Canada, Project Director
Derek Dudek, NextEra Energy Canada

Enclosures Goshen Notice of Draft Site Plan and Draft Site Plan Report

From: [Dudek, Derek](#)
To: ["Arlene Parker"](#)
Subject: RE: Maps
Date: Monday, July 16, 2012 9:34:00 AM
Attachments: [60155032_GSH_ProjectLocation.pdf](#)

Hi Arlene,

This map should be better.

We are still working on the collector lines/road access map for Goshen, but I will get it to you in that format as soon as it's available.

Derek

519-318-0237

From: Arlene Parker [mailto:planninginfo@town.bluewater.on.ca]
Sent: Thursday, July 05, 2012 2:23 PM
To: Dudek, Derek
Subject: Maps

Hi Derek – we received the Draft Site Plan for Goshen.

1 – May I please have a version of the site plan that is the same as the 'Aecom Project Location Figure 1.2' from the Bluewater project? The version that was included with the Goshen report is not readable.

2 – May I please have a plan that clearly illustrates the location of collection lines within Bluewater road allowances - see attached map that was provided for the Bluewater project.

Thanks.

Arlene Parker. Dipl.M.A.
Planning Co-Ordinator
Municipality of Bluewater
(519) 236-4351 x235

Please consider your environmental responsibility before printing this e-mail.

"Most written communications to or from municipal employees are considered to be public records and will be made available to the public and the media upon request. This e-mail and any direct reply may be subject to public disclosure."

From: [Michael Di Lullo](#)
To: [Dudek, Derek](#)
Subject: RE: Goshen - tele-town hall
Date: Thursday, September 13, 2012 2:14:44 PM

Hi Derek

Thanks for the email, greatly appreciated.

Will certainly forward to Council so they're aware

Regards,
Michael

From: Dudek, Derek [mailto:Derek.Dudek@nexteraenergy.com]
Sent: September-13-12 1:54 PM
To: Michael Di Lullo
Subject: Goshen - tele-town hall

Hi Michael,

You may have heard through the grapevine that we are hosting a tele-town hall tonight for the Goshen project. Could you kindly forward this VIP line to Council to invite them to call in and listen in on the call.

The event is tonight Thursday, September 13th: 6:30pm to 7:30pm.

VIP - Participant 1-877-229-8493 PIN: 19282#

Thanks and don't hesitate to call me if you have any questions about it.

Derek Dudek | Community Relations Consultant
NextEra Energy Canada, ULC
5500 North Service Road, Burlington, ON L7L 6W6
o:905.335.4904 x18 f:905.335.5731
mobile - 519.318.0237
derek.dudek@nexteraenergy.com

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September 28, 2012

Mayor and Member of Council
c/o Stephen MacAuley, CAO
Municipality of Bluewater
14 Mill Road, Box 250
ZURICH, ON. N0M 2T0

Dear Mayor and Members of Council:

We want to take this opportunity to respond to questions and comments that have been posed to us by Council and staff through previous meetings and the Municipal Consultation Form submitted to the Ministry of Environment as part of the Renewable Energy Application process. As always, we wish to ensure that Council has the most accurate and up to date information with respect to our projects. The following summarizes matters that, in our opinion, needed further clarification:

- **Community Vibrancy Fund - clarification of what happens to CVF after 20 years / clarification of financial terms / clarification on restrictions of use of CVF monies;**

The CVF would be applicable for 20 years and run parallel with our contract to sell power to the Ontario Power Authority under the Feed-in-Tariff program. At the end of this time period we would expect to negotiate a revised CVF agreement with the Municipality in good faith based on the market situation in place at the future date. The financial terms of \$3500/MW + \$5000/km of overhead transmission line within a public right-of-way is our standard payment proposal to all municipalities where our projects are located in Ontario. With respect to use of CVF monies, it is our opinion that the list of preferred uses is broad in scope and offers few limitations on the Municipality in regards to its use. Our preferred uses align with core NextEra values of energy efficiency, environmental stewardship and education, but recognizes that the local decision-makers know what is best for their community. Limitation on uses is also a requirement of our company for the purposes of preventing funds from being used for purposes which are contrary to the Foreign Corrupt Practices Act as outlined in Clause 13 of the draft agreement forwarded to the Municipality on April 10, 2012.

- **Confirmation of number of turbines to be permitted vs. to be built and clarification regarding potential to erect additional turbines in the future;**

The purpose of permitting the Bluewater WEC project for more turbines than will actually be built relates to the structure of approvals granted by the MOE through the Renewable Energy Approval process. The process is structured so that all detailed environmental work must be completed prior to conditional approval. As such, it is our practice to permit for additional turbines to ensure that if matters arise post-approval (such as geo-technical issues with constructing turbine foundations) valuable time is not lost completing additional fieldwork to support 'replacement' infrastructure locations and in going back to the MOE and other Provincial ministries for changes to our Renewable Energy Approval. With our approach, the community is aware, in advance of our entire project scope and possible infrastructure locations, potential impact and planned mitigation (if any is necessary).

- **Clarification of Auditor Generals Report**

Council asked about the Auditor General's report from 2011 which outlined several issues with the Province of Ontario's Feed-in-Tariff program that placed at least part of the blame for rising energy prices on this program. We do not agree with the assertions of the Auditor General's report which overlooked many key issues and did not show detailed information which would illustrate that Ontario's energy prices have been steadily rising for decades and more importantly that the significant portion of

price increases is attributable to replacing and upgrading our aging electrical generation and transmission system. Further, any type of new generation would have similar effects on energy prices in Ontario. We would strongly encourage Council if they are interested to read the following recently published report on the matter:

(<http://www.bridgpointgroup.com/database/rte/files/Renewable%20Energy%20Facts.pdf>)

- **Concerns over property devaluation.**

To date, despite numerous peer reviewed studies of the matter, there has been no evidence of property devaluation due to proximity to a wind project. We have made several of the studies available on our website for further review.

The following is an Excerpt from the Chatham-Kent property value study 2010:

"In the study area, where wind farms were clearly visible, there was no empirical evidence to indicate that rural residential properties realized lower sale prices than similar residential properties within the same area that were outside of the viewshed of a wind turbine. No statistical inference to demonstrate that wind farms negatively affect rural residential market values in Chatham-Kent was apparent in this analysis."

It should be noted that this study specifically looks at smaller estate residential sales and does not include large farm parcels which have seen rises in property values where wind farm leases are registered on properties.

- **Concerns over proposed underground gas storage pools within the vicinity of the Bluewater project.**

As a follow-up to discussion with Council on this matter, we met with Tribute Resources Inc., the company in the area proposing underground gas storage development. Tribute has existing gas wells in the area, the location of which we are required to map for the Ministry of Natural Resources ("MNR"). A 75m setback for further study is required by MNR in Section 10.2 (1) of the Oil, Gas and Salt Resources Act and Section 7.8 of the MNR's Approval and Permitting Requirements Document for Renewable Energy Projects. All of our proposed turbines are greater than 75m from existing wells. Further, upon review of the applications that Tribute has made to the Ontario Energy Board, their future wells will be greater than 250m from the nearest proposed turbine locations of turbines 15 and 16.

Regarding the underground gas storage pools, we have no concerns based on our existing operational experience elsewhere in North America. The depths of the underground gas pools located near our proposed turbine locations will be approximately 150 metres below surface. Our foundations are only 3 to 4 metres in depth. Please see attached letter from our consultants AECOM that confirms our position.

- **Concerns over tundra swan flight paths and how the studies relating to migratory birds are conducted.**

Scientific studies have found that migrating swans are generally able to avoid wind turbines and that swan mortality resulting from collisions with wind turbines is limited. Turbines may, however, cause swans to avoid stopover and staging areas used during migration.¹

To minimize potential impacts to this important local species of interest, NextEra's approach has been to develop a project site plan that allowed for sufficient avoidance of stopover and staging areas for Tundra Swans in keeping with the conclusion of the study noted above. NextEra has conducted environmental

¹ (Hötter, H., K.M. Thomsen and H. Jeromin, 2006: Impacts on Biodiversity of Exploitation of Renewable Energy Sources: The Example of Birds and Bats - Facts, Gaps in Knowledge, Demands for Further Research, and Ornithological Guidelines for the Development of Renewable Energy Exploitation. Michael-Otto-Institut im NABU, Bergenhusen.

studies including Tundra Swan surveys in the area since 2010 and consulted with local landowners and agencies (such as the Ministry of Natural Resources, the Ausable Bayfield Conservation Authority and the Lambton Heritage Museum) to identify the important stopover and staging areas used by Tundra Swans during migration. An assessment of significant Tundra Swan stopover and staging areas was completed and is available for public review in the Final Natural Heritage Assessment Report and Environmental Impact Study on NextEra's website (www.NextEraEnergyCanada.com). Information about significant bird habitats including Tundra Swan stopover and staging areas was considered, along with other environmental constraints, local infrastructure and socio-economic information, when determining where best to place a wind turbine.

In the case of the Bluewater Wind Energy Centre, no significant Tundra Swan stopover and staging areas were identified within 120 metres of the Project location. Therefore, the conclusion of our Natural Heritage Assessment is that no additional species specific monitoring is required. The Renewable Energy Approval will contain provisions for post-construction monitoring and reporting which will include avian monitoring.

- **Requirements under the Ontario Building Code.**

Building permits are required under the Ontario Building Code for turbine foundations and towers. Section 1(1) of the Building Code Act, 1992 states that a building means among other things any "structures designated in the building code". To this end, the Building Code (Ontario Regulation 350/06) outlines such designated structures under Section 1.3.1.1, which includes the following subsection g) "a structure that supports a wind turbine generator having a rated output of more than 3 kW". The issuance of permits is regulated by Section 8 of the Building Code Act, and clearly states in which instance a building permit may be withheld, including 1) building is in contravention to the act, 2) applicant is defined but not registered under the Ontario New Homes Warranty Protection Act, 3) drawings not prepared by qualified individual, 4) plans review certificate missing prescribed information, 5) application is not complete, or 6) fees have not been paid. Section 8 also states that permits must be issued within a prescribed number of days, which is ranging from 10 to 30 days (Section 1.3.1.3, Ontario Building Code).

In addition to these matters, several other questions came up at an informal meeting with staff prior to our open house on June 14, 2012. We have summarized these matters below:

- **Bluewater Heritage Advisory Committee Issues**

NextEra was provided a copy of the Committee's letter to Council dated June 18, 2012. After review of the letter we can confirm that the Heritage Assessment Report was undertaken in accordance with Provincial regulation and guidelines, and NextEra has a Satisfaction Letter from the Ministry of Tourism, Culture, and Sport, dated March 22, 2012. We are awaiting further comment from the Ministry concerning subsequent inventory amendments but that letter is forthcoming. Our consultants have confirmed that the comments of the Committee in the letter would not change the conclusions of their report. We do not feel it is appropriate to comment on any of the recommendations of the Committee, as it is our understanding that these recommendations pertain to the interpretation of the Provincial regulation and guidelines and do not necessarily pertain to our project alone.

- **Bluewater By-law 07-2009 vs. Ontario Regulation 359/09 setbacks**

It is our understanding that By-law 07-2009 is not in effect (it faces legal challenge), however, at the request of the Municipality at a meeting held on March 20, 2012 with the municipality's planner Craig Metzger (including County staff Dave Laurie and Scott Tousaw) NextEra has undertaken a comparison of the setbacks related to wind turbines from the above mentioned by-law to the setbacks mandated in Ontario Regulation 359/09, the applicable law to siting renewable energy projects in Ontario. For clarity, the Bluewater project, as currently designed, meets or exceeds the requirements of O.Reg 359/09.

The following chart notes what the setback is under each regime and the third column identifies items in red that are compliant with O.Reg. 359/09 but would not meet the by-law and items in green that indicate compliance with both. To complete this exercise, we have used the dimensions of our chosen turbine technology, the GE 1.6 which has a tower height of 80 metres and blade length of 50 metres.

Bluewater By-law 07-2009 Minimum Setback	O.Reg 359/09 Minimum Setback	Bluewater WEC – actual
Front & Exterior Side Yard Depth – turbine distance > 1.2x total tower height = > 156m	Roads – turbine distance > blade length + 10m = > 60m	6 locations < 156m but > 60m: T16 – 108m – Staffa Road T27 – 82m – Staffa Road T28 – 122m – Staffa Road T11 – 108m – Pavillion Road T38 – 110m – Pavillion Road T8 – 115m – Blue Bluff Road
Rear & Interior Side Yard Depth – turbine distance > 2x rotor blade length = > 100m (or closer with agreement of landowner)	Property lines – turbine distance > Height of turbine excluding blades or blade length + 10m with justification or none with agreement and justification = > 80m / 60m / 0m	7 locations < 100m but > 80m: T5 – 95m T18 – 88m T25 – 91m T32 – 91m T34 – 81m T18 – 88m T40 – 92m One additional turbine is less than 80 metres from a property lines; and is identified in Design and Operations Report Appendix C with justification as required by O.Reg. 359/09
Existing off-site dwelling or vacant lot less than 4ha in area = 400m	Noise receptor = 550m	T4 – 569m
Urban zones = 600m	Noise receptor = 550m	Approximately 1190m from closest (Blake)
Bayfield, Hensall, Zurich settlement areas = 1000m	Noise receptor = 550m	Approximately 2600m from closest (Bayfield)
Recreation, Community Facility, and Institutional Zones = 600m	Noise receptor = 550m	Approximately 800m from closest (T27)
DS Zone and Cemeteries = 400m	n/a	Approximately 2250m from closest (T33)

Highway 21 = 1000m	Roads – blade length + 10m = 60m	Approximately 1490m from closest (T1)
Ends/Sides of airstrips = 1500m/300m	n/a	590m/200m (T4, T18)

With respect to the six (6) turbines in proximity to roads as outlined above, it should be noted that there is no residential development on any of the sections of Staffa, Pavillion or Blue Bluff Road and as such these roads would have limited traffic activity. We are therefore confident that the levels of traffic; setbacks in effect by O. Reg 359/09; and our standard operational procedures for controlling turbines during adverse weather conditions, should satisfy any safety concerns associated with turbine operations at these locations.

Regarding the eight (8) turbines closer than 100 metres to interior lot lines as outlined above, we are confident that the setbacks in effect by O. Reg 359/09; and our standard operational procedures for controlling turbines during adverse weather conditions, should satisfy any safety concerns associated with turbine operations at these locations. As indicated in Appendix C to the Design and Operations Report, we have shown that preventative measures will be in place for those turbines that are less than 80 metres to an interior lot line, and are confident that those standard measures would be applicable to turbines within the 80 – 100m range as well.

T4 and T18 are within the proposed zoning by-law setbacks to a private airstrip. We are in negotiations with the owner of this airstrip to address this matter.

- **Confirm ownership of transmission lines and substation:**

Varna Wind Inc., will be the owner of the proposed high voltage 115kV transmission line and substation located at Centennial Road, west of Babylon Line. The transmission line is connecting to the existing Seaforth Transmission Station owned and operated by Hydro One.

- **Confirm depth of buried cables as part of collection system:**

Approximately 1.0 metre in depth.

- **Confirm weights/lengths of trucks used to deliver turbines during construction:**

Generally the heaviest trucks used as part of the construction process are those that carry the nacelle with an approximate weight of 250,000 lbs. However, we generally do not exceed 20,000 lbs per axle. The longest trucks are those used to transport the turbine blades at a length of approximately 50 metres (164'). A complete description of truck types used during all phases of construction can be found in the Construction Report.

- **Confirm closest and median distance of turbines to nearest dwelling:**

The closest turbine to a non participating receptor is 569 metres and the median distance to closest non-participating receptors measured as part of the noise study is 734 metres.

- **Buried High Voltage Transmission Lines**

We are currently studying this issue and will respond in a separate letter when we have more information.

Mayor and Members of Council
September 26, 2012
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We hope that this information is of use to Council and would continue to offer to appear as a delegation to Council at any time to provide more information as it becomes available. In the interim, if staff or Council wish to learn more about the Bluewater Wind Energy Centre, or any of our other planned projects in Ontario, they can visit our website at www.nexteraenergycanada.com.

Thank you,



Nicole Geneau
Director, Development

Attachment

cc: Dave Laurie, Huron County
Scott Tousaw, Huron County
Craig Metzger, Huron County
Julia Cushing, AECOM
Derek Dudek, NextEra Energy Canada

September 25, 2012

Nicole Geneau
Director, Development
NextEra Energy Canada, ULC
5500 North Service Road
Burlington, ON L7L 6W6

Dear Ms. Geneau:

Project No: 60155032

**Regarding: Bluewater Wind Energy Centre and Potential Effects on Tribute Resources'
Underground Natural Gas Designated Storage Areas**

The geologic setting of the proposed Tribute Resources' Stanley and Bayfield underground natural gas Designated Storage Areas (DSAs) is in a bedrock unit referred to as the Guelph Formation. Contained within this bedrock formation, in a band that roughly parallels the Lake Huron shoreline in the vicinity of the Bluewater Study Area, are features referred to as "pinnacle reefs".

The reefs are ancient features formed in the Silurian period of the Paleozoic era that were buried and encapsulated by overlying rock strata. Some of the reefs contain oil and gas resources that have been and, in cases, are continuing to be exploited. The characteristics of the reefs that allowed them to be petroleum sources, including their high permeability and porosity and the fact they are sealed by overlying rock units, also make the larger features suitable as DSAs for natural gas.

In the Bluewater Study Area, the storage zones within the Guelph Formation pinnacle reefs (i.e., the Stanley and Bayfield DSAs) are located at a depth of approximately 150 m below surface. The overlying bedrock formations, largely of Devonian age, consist of dolostones, limestones and evaporitic sequences. These overlying formations are, on the whole, far less permeable and serve to restrict the upward movement of any contained hydrocarbons.

It is unlikely that the development of wind turbines on the surface in the vicinity of the DSAs would affect the storage capacity or integrity of the pinnacle reef features due to: 1. the depth of the reefs below ground surface; 2. the structural competency of the overlying bedrock units (i.e., lack of fractures or faults); and 3. the limited depth of disturbance associated with turbine construction. The pumping facilities associated with the Stanley and Bayfield DSAs should not be affected by surface development provided regulatory guidelines issued by the Ontario Ministry of Natural Resources regarding separation of the wind turbines from petroleum infrastructure are followed.

Should you have wish further information or detail, please contact me at your convenience.

Sincerely,
AECOM Canada Ltd.

A handwritten signature in black ink, appearing to read "Cam Baker". The signature is fluid and cursive, with the first name "Cam" and last name "Baker" clearly distinguishable.

Cam Baker, M.Sc., P.Geol.
Senior Geologist
cam.baker@aecom.com
Tel: 519 840-2224
Cell: 519 831-0898

cc: Marc Rose

September 28, 2012

Mayor and Member of Council
c/o Stephen MacAuley, CAO
Municipality of Bluewater
14 Mill Road, Box 250
ZURICH, ON. N0M 2T0

Dear Mayor and Members of Council:

Re: Proposed Bluewater Wind Energy Centre

We want to take this opportunity to respond to the various resolutions of Council and other matters outlined in Section 5 Municipal Council General Comments of the Municipal Consultation Form (MCF). The MCF delivered to our office as part of our application for a Renewable Energy Approval for the Bluewater Wind Energy Centre ("Bluewater") and dated July 6, 2012. Our response to each of the 9 specific comments in Section 5 are included below.

1. Council's request to withhold building permits until such time as the project complies with the Municipalities by-laws.

The Chief Building Official is charged with the responsibility for assessing an application and issuing a building permit in accordance with the *Building Code Act, 1992* and the Ontario Building Code. The Building Code is a regulation made under the *Building Code Act, 1992*, and prescribes a complete regulatory framework for the powers and duties in respect of its enforcement. Municipalities have no authority under the Act or the regulation to legislate respecting powers and duties pertaining to the enforcement of building regulations.

Under the *Building Code Act*, Section 8(2)(a) provides that:

8. (2) The chief building official shall issue a permit referred to in subsection (1) unless,

(a) the proposed building, construction or demolition will contravene this Act, the building code or any other applicable law;

"Applicable law" is defined at length in Section 1.4.1.3 of the Building Code. Applicable law does not include municipal by-laws when dealing with wind turbines. The only element of applicable law that pertains to wind turbines is a renewable energy approval referred to in Subsection 1.4.1.3(a)(vi.1) of the Building Code. Municipal by-laws are therefore not relevant to the issuance of a building permit for these structures. Consequently, the Chief Building Official should process building permit applications without interference from Council.

2. Council's request for \$25,000 per turbine annually for an economic development fund due to impacts on property values and tourism.

The annual fee of \$25,000 that the municipality purports to impose against wind turbines is contrary to law and thus flawed. Various provisions of the *Municipal Act, 2001*, which is the governing legislation, preclude a municipality from charging such a fee. A municipality cannot, without statutory authority, impose a fee per wind turbine that is based on nothing more than the fact that the turbine exists. The *Municipal Act, 2001* does not permit a fee on wind turbines or any other structure that is premised solely on their presence in the municipality. This is akin to a poll tax. Section 393 of the Act directs that a municipality cannot impose a poll tax or similar fee which is imposed on an individual by reason only of his presence in the municipality. While the fee in this case is calculated per turbine, the fee is imposed on the owner of the property/turbine.

Section 394(1)(e) of the Act directs that a municipality cannot impose a fee or charge that is based on, or is in respect of, the generation or exploitation of natural resources. Air and wind would be considered abiotic natural resources. The \$25,000 fee is clearly based on, or is in respect of, the exploitation of natural resources (wind used by the turbines), and is thus prohibited.

Section 391 of the *Municipal Act, 2001* authorizes a municipality to impose fees or charges on a person or entity only where services or activities are provided by the municipality. In this case, however, the municipality would not be providing any service or activity that is specific to wind turbines, or that is not being provided to everyone else in the municipality. Moreover, the quantum of a fee or charge is generally limited to the municipality's reasonable cost of providing the service or activity. It is clear with this fee that the municipality did not attempt to match revenues against expenses because there is no service being provided. Rather, the \$25,000 fee is nothing more than an attempt to raise revenues for a purpose that is unrelated to renewable energy or any municipal service that is provided to wind turbines.

Finally, we note that the alleged concerns which give rise to the impugned \$25,000 fee – an anticipated loss in property values and a decline in tourism – are completely unfounded and based on mere speculation. We are not aware of any studies or reports being undertaken by the municipality which support the assumptions that underlie the imposition of the fee. Consequently, no such fee should be charged to nor shall it be paid by Bluewater.

3. Council's endorsement of the setbacks from the Zurich and District Chamber of Commerce (ZDCC) and request that no turbines ever be erected closer than those being proposed as part of Bluewater.

We believe our project layout is mindful of past requests by the ZDCC to site turbines an appropriate distance from the Village of Zurich which allow for growth of the Village, and ensures compliance with Provincial siting regulations. Any changes in Provincial siting regulations will continue to control the siting of such turbines. We have no current plans to site any turbine closer to the Village, as stated to ZDCC in correspondence that Council has been copied on by ZDCC.

4. Council's request that all transmission lines be buried.

We are still studying this matter further and expect to submit a letter on this matter under separate cover at a later date.

5. Council's request for a decommissioning security bond.

The approval of a wind energy project in Ontario is tied to a Renewable Energy Approval (REA) issued under the authority of the Ministry of the Environment through the Environmental Protection Act. We anticipate that the REA will contain conditions for the required decommissioning of project infrastructure which are legally binding on the project proponent. As such, NextEra is of the opinion that bonds are not necessary to ensure that decommissioning of the facility will be carried out as required.

In addition, NextEra Energy has legally binding contracts with participating landowners which include language requiring restoration of all parts of their land to original use upon retirement of the facility. No additional bonding should be required by Council.

6. Council's request for the Bluewater Heritage Committee's comments to be included in the MCF.

NextEra was provided a copy of the Committee's letter to Council dated June 18, 2012. After review of the letter, we can confirm that the Heritage Assessment Report was undertaken in accordance with Provincial regulation and guidelines, and NextEra has a Satisfaction Letter from the Ministry of Tourism, Culture, and Sport, dated March 22, 2012. We are awaiting further comment from the Ministry concerning subsequent inventory amendments but that letter is forthcoming. Our consultants have confirmed that the comments of the Committee in the letter would not change the conclusions of their report. We do not feel it is appropriate to comment on any of the recommendations of the Committee, as it is our understanding that these

recommendations pertain to the interpretation of the Provincial regulation and guidelines and do not necessarily pertain to our project alone.

7. Municipality's request for study of pre-operation low frequency noise levels and separate request for annual noise level analysis.

The report "A Study of Low Frequency Noise and Infrasound from Wind Turbines" by Epsilon Associates which is available on our website includes actual field studies undertaken at NextEra's Horse Hollow Wind Farm in 2008. This study was provided to the Huron County Low Frequency Noise Committee as part of their literature review. It is worthwhile noting that:

"Epsilon determined all means, methods, and the testing protocol without interference or direction from NextEra. No limitations were placed on Epsilon by NextEra with respect to the testing protocol or upon the analysis methods." (pg 7-1).

The conclusions of this report note specifically that the turbines tested in the field studies (Siemens SWT2.3-93 and GE1.5sle) meet all American and UK standards at a distance of 305 metres (1000ft), and more specifically:

- Have no audible infrasound to the most sensitive listeners; and
- Might have slightly audible low frequency noise at frequencies at 50 Hz and above depending on other sources of low frequency noise in homes, such as refrigerators.

This study was peer reviewed and published in the March-April 2011 Noise Control Engineering Journal, the technical publication of the Institute of Noise Control Engineering of the USA. As such, we believe that low frequency noise specifically from wind turbines, has been adequately considered by the Province through Ontario Regulation 359/09, by ensuring that setbacks from sensitive land uses is a minimum of 550 metres.

With respect to post-construction noise monitoring, we fully expect such measures to be required by the conditions in Renewable Energy Approvals recently issued by the MOE.

8. Council's request for report indicating safety of wind turbines in proximity to underground gas storage wells.

As previously indicated, we met with Tribute Resources Inc., the company in the area proposing underground gas storage development. Tribute has existing gas wells in the area, the location of which we are required to map for the Ministry of Natural Resources ("MNR"). A 75m setback for further study is required by MNR in Section 10.2 (1) of the Oil, Gas and Salt Resources Act and Section 7.8 of the MNR's Approval and Permitting Requirements Guide for Renewable Energy Projects. All of our proposed turbines are more than 75m from existing wells. Further, upon review of the applications that Tribute has made to the Ontario Energy Board, their future wells will be greater than 250m from the nearest proposed locations of turbines 15 and 16.

Regarding the proposed underground gas storage pools, we have no concerns based on our existing operational experience elsewhere in North America. The depths of the proposed underground gas pools near our proposed turbine locations will be approximately 150 metres below surface. Our foundations are only 3 to 4 metres in depth. Please refer to our previously submitted letter from our consultants AECOM that confirms our position.

9. Council's request for additional studies on migratory birds, in particular tundra swans.

NextEra has conducted environmental studies including Tundra Swan surveys in the area since 2010 and consulted with local landowners and agencies (such as the Ministry of Natural Resources and the Lambton Heritage Museum) to identify the important stopover and staging areas used by Tundra Swans during migration. An assessment of significant Tundra Swan stopover and staging areas was completed and is available for public review in the Final Natural Heritage Assessment Report and Environmental Impact Study on NextEra's website (www.NextEraEnergyCanada.com). Information about significant bird habitats

Mayor and Members of Council

September 28, 2012

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including Tundra Swan stopover and staging areas was considered, along with other environmental constraints, local infrastructure and socio-economic information, when determining where best to place a wind turbine. Priority was given to minimizing the potential for interaction between project components and Tundra Swan stopover and staging areas. However, in the case of the Bluewater Wind Energy Centre, no significant Tundra Swan stopover and staging areas were identified within 120 metres of the Project location. The Ministry of Natural Resources has reviewed our Natural Heritage Assessment Report and confirms that it meets their requirements.

We hope that this information is of use to Council and would continue to offer to appear as a delegation to Council at any time to provide more information as it becomes available. In the interim, if staff or Council wish to learn more about the Bluewater Wind Energy Centre, or any of our other planned projects in Ontario, they can visit our website at www.nexteraenergycanada.com.

Thank you,



Nicole Geneau
Director, Development



cc: Julia Cushing, AECOM
Derek Dudek, NextEra Energy Canada

September 25, 2012

Nicole Geneau
Director, Development
NextEra Energy Canada, ULC
5500 North Service Road
Burlington, ON L7L 6W6

Dear Ms. Geneau:

Project No: 60155032

**Regarding: Bluewater Wind Energy Centre and Potential Effects on Tribute Resources'
Underground Natural Gas Designated Storage Areas**

The geologic setting of the proposed Tribute Resources' Stanley and Bayfield underground natural gas Designated Storage Areas (DSAs) is in a bedrock unit referred to as the Guelph Formation. Contained within this bedrock formation, in a band that roughly parallels the Lake Huron shoreline in the vicinity of the Bluewater Study Area, are features referred to as "pinnacle reefs".

The reefs are ancient features formed in the Silurian period of the Paleozoic era that were buried and encapsulated by overlying rock strata. Some of the reefs contain oil and gas resources that have been and, in cases, are continuing to be exploited. The characteristics of the reefs that allowed them to be petroleum sources, including their high permeability and porosity and the fact they are sealed by overlying rock units, also make the larger features suitable as DSAs for natural gas.

In the Bluewater Study Area, the storage zones within the Guelph Formation pinnacle reefs (i.e., the Stanley and Bayfield DSAs) are located at a depth of approximately 150 m below surface. The overlying bedrock formations, largely of Devonian age, consist of dolostones, limestones and evaporitic sequences. These overlying formations are, on the whole, far less permeable and serve to restrict the upward movement of any contained hydrocarbons.

It is unlikely that the development of wind turbines on the surface in the vicinity of the DSAs would affect the storage capacity or integrity of the pinnacle reef features due to: 1. the depth of the reefs below ground surface; 2. the structural competency of the overlying bedrock units (i.e., lack of fractures or faults); and 3. the limited depth of disturbance associated with turbine construction. The pumping facilities associated with the Stanley and Bayfield DSAs should not be affected by surface development provided regulatory guidelines issued by the Ontario Ministry of Natural Resources regarding separation of the wind turbines from petroleum infrastructure are followed.

Should you have wish further information or detail, please contact me at your convenience.

Sincerely,
AECOM Canada Ltd.

A handwritten signature in black ink, appearing to read "Cam Baker". The signature is fluid and cursive, with the first name "Cam" and last name "Baker" clearly distinguishable.

Cam Baker, M.Sc., P.Geol.
Senior Geologist
cam.baker@aecom.com
Tel: 519 840-2224
Cell: 519 831-0898

cc: Marc Rose

From: [Dudek, Derek](#)
To: "Arlene Parker"; k.bettles@southhuron.ca
Subject: FW: Goshen - collection line map
Date: Wednesday, October 17, 2012 1:41:00 PM
Attachments: [60155032_GSH_CollectionLine_ROW.PDF](#)

Hi Arlene,
See updated map. It shows the road locates for T2 and T3.

Ken, I thought you might be interested in this map as well we prepared for Bluewater. It more accurately shows which portions of our proposed underground collection system is on private vs. public land.

Derek Dudek | Community Relations Consultant
NextEra Energy Canada, ULC
5500 North Service Road, Burlington, ON L7L 6W6
o:905.335.4904 x18 f:905.335.5731
mobile - 519.318.0237
derek.dudek@nexteraenergy.com

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From: Arlene Parker [<mailto:planninginfo@town.bluewater.on.ca>]
Sent: Monday, October 01, 2012 1:56 PM
To: Dudek, Derek
Subject: Goshen Wind

Hi Derek – could you please have someone prepare a site plan showing the location of the low voltage lines within municipal road allowances like the one you did for Bluewater? That plan also included access roads and turbine locations.

Thanks.

Arlene Parker, Dipl.M.A.
Planning Co-Ordinator



October 2, 2012

Michael DiLullo
Manager of Corporate Services, Clerk
322 Main Street South
EXETER, ON. N0M 1S6

Dear Mr DiLullo:

The purpose of this letter is to address the Municipality of South Huron’s proposed changes to their Building permit fees by-law, particularly to the proposed fees for wind turbines.

Section 1(1) of the Building Code Act, 1992 which states that a building means among other things any “structures designated in the building code”. To this end, the Building Code (Ontario Regulation 350/06) outlines such designated structures under Section 1.3.1.1, which includes the following subsection:

g) a structure that supports a wind turbine generator having a rated output of more than 3 kW.

We hope that you will support our assertion that as per the Ontario Building Code Act, the only parts of a wind turbine are subject to a building permit are the **footings, base, tower and related components**. It is our understanding that this approach has been utilized elsewhere within the Province when determining building permit application fees.

In our recently approved Conestogo Wind Energy Centre project, using a larger Siemens 2.3MW turbine we included an estimated construction value of these components (including the cost of all material, labour, equipment, overhead and professional and related services) of \$726,000 per turbine. Based on their by-law which used a construction value method, we were charged permit fees which were calculated as follows:

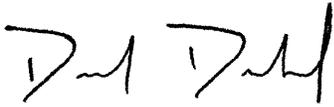
Township of Mapleton Building Permit Fees	Conestogo WEC Fees
\$10.00 for each \$1,000 value of construction value (10 x 726)	\$7260.00 x
10 turbines	\$72,600.00

We feel that these fees reflect the “anticipated reasonable costs of the principal authority to administer and enforce this Act in its area of jurisdiction” in accordance with Section 7(2) of the Building Code Act, 1992 and were agreed to by the Township of Mapleton.

The proposed \$15,000 per turbine fees of the Municipality of South Huron would total \$720,000 (48 turbines) – and be more than double the individual turbine fees of our Conestogo project. We would also note that the proposed fees would exceed the entire 2012 expenses of the Building & Development Services Department (\$461,935) by over \$250,000. It is our opinion that such a discrepancy in fees far exceeds the authority of the Municipality under the Building Code Act to recoup costs as noted above.

We are not averse to paying for the entire cost of review of our building permits, nor do we have issue with paying for other costs associated with our development (ie. Roads, entrances, drainage) under the appropriate jurisdiction of the Municipality to invoke fees. However, we would ask that you strongly reconsider the proposed fee changes to an amount that is both fair and reasonable, and within the authority of the Ontario Building Code Act.

Thank you,

A handwritten signature in black ink, appearing to read 'Derek Dudek', written in a cursive style.

Derek Dudek
Community Relations

8. NextEra to forward package of EMF/Stray Voltage information that was similarly given to all lanowners along T-line route to all parties

NextEra

9. NextEra to seek correspondence from HONI re: refusal to consider co-location of T-line poles

NextEra

10. County requesting distance of T29 to Crediton Road;

NextEra

From: [Dudek, Derek](#)
To: ["Michael Di Lullo"; "Ken Bettles"](#)
Cc: ["Cushing, Julia"](#)
Subject: Goshen - extra staff copy of REA documents
Date: Wednesday, October 24, 2012 8:43:00 AM

Hello Michael, Ken,
AECOM will be forwarding you an extra copy of the REA package as Ken you'd requested at our earlier October meeting.
Should be coming shortly.

Derek Dudek | Community Relations Consultant
NextEra Energy Canada, ULC
5500 North Service Road, Burlington, ON L7L 6W6
o:905.335.4904 x18 f:905.335.5731
mobile - 519.318.0237
derek.dudek@nexteraenergy.com

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Owen, Jennifer

From: Dudek, Derek [Derek.Dudek@nexteraenergy.com]
Sent: Thursday, December 13, 2012 1:16 PM
To: Henry, Andrew
Cc: Lima, Brian; Walker, John; McLeod, Erin; Robertson, Suzanne
Subject: RE: Goshen - LHPWS
Attachments: GSH_lhpws_crossings2012-12-14.pdf

Hello Andrew et al,
Thanks for meeting with me this morning. Attached is a blow up of the Huron Street area as you'd requested. I've forwarded the info on to our engineering team to begin to address many of the outstanding issues and will be in touch hopefully soon to possibly have a follow up meeting with more information.

Thanks,

Derek Dudek | Community Relations Consultant
NextEra Energy Canada, ULC
390 Bay Street, Suite 1720
Toronto, ON M5H 2Y2
Canada
office: 416.364.9714
mobile: 519.318.0237
derek.dudek@nexteraenergy.com

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From: Henry, Andrew [mailto:AHenry@London.ca]
Sent: Tuesday, November 20, 2012 9:28 AM
To: Dudek, Derek
Cc: Lima, Brian; Walker, John; McLeod, Erin; Robertson, Suzanne
Subject: RE: Goshen - LHPWS

I am not available this week, and next week of the proposed dates I'm only available in the morning of the 27th before 10:30am. For the week following, I can make December 4th (anytime) work or the morning of the 5th.

Andrew J. Henry, P.Eng.
Division Manager, Regional Water Supply
Lake Huron & Elgin Area Water Supply Systems
c/o City of London Regional Water Supply Division
235 North Centre Rd., Suite 200
London, Ontario N5X 4E7
T: 519.930.3505 ext.1355
F: 519.474.0451
E: ahenry@london.ca
www.watersupply.london.ca
www.facebook.com/RegionalWaterSupply

From: Dudek, Derek [mailto:Derek.Dudek@nexteraenergy.com]
Sent: Tuesday, November 20, 2012 8:48 AM
To: Henry, Andrew
Cc: Lima, Brian; Walker, John; McLeod, Erin; Robertson, Suzanne
Subject: RE: Goshen - LHPWS

Thanks Andrew,

Any time works for me on the following days, Nov 21, 22, 27-29.

It appears we don't have accurate information of the pipeline location and I'm not sure if we sourced it from you or some other entity like LIO.

Would it be possible for you to send me the accurate shapefiles or cad drawings to overlay them. Even if it's just for these areas.

Derek
519-318-0237

From: Henry, Andrew [mailto:AHenry@London.ca]
Sent: Tuesday, November 20, 2012 8:08 AM
To: Dudek, Derek
Cc: Lima, Brian; Walker, John; McLeod, Erin; Robertson, Suzanne
Subject: RE: Goshen - LHPWS

Good morning Derek:

We'd be happy to meet with you to discuss the plans for the proposed Goshen Wind Energy Centre. Do you have an updated/corrected map of the proposed infrastructure in the area(s) of our pipelines? The previous PDF drawings appear to be incorrect and displays our pipeline well out side the actual pipeline easement.

Do you have any proposed dates/times to meet?

Andrew J. Henry, P.Eng.
Division Manager, Regional Water Supply
Lake Huron & Elgin Area Water Supply Systems
c/o City of London Regional Water Supply Division
235 North Centre Rd., Suite 200
London, Ontario N5X 4E7
T: 519.930.3505 ext.1355
F: 519.474.0451
E: ahenry@london.ca
www.watersupply.london.ca
www.facebook.com/RegionalWaterSupply

From: Dudek, Derek [mailto:Derek.Dudek@nexteraenergy.com]
Sent: Monday, November 12, 2012 4:43 PM
To: Henry, Andrew
Subject: Goshen - LHPWS

Hello Andrew,

If you'll recall we met a while back to discuss issues between the LHPWS and our proposed Goshen Wind Energy Centre infrastructure. We now have that information available and I'd like to offer to meet with you to discuss the matter in more detail. I've attached maps illustrating the three instances of crossing (note: it appears the pipeline shapefile appears to be a little off) I believe we have one road crossing (first page) and two underground cabling crossings (2nd page).

Please don't hesitate to contact me by email or on my mobile to discuss any required next steps. I'd be happy to meet again to discuss the matter.

Thank you,

Derek Dudek | Community Relations Consultant

NextEra Energy Canada, ULC

390 Bay Street, Suite 1720

Toronto, ON M5H 2Y2

Canada

office: 416.364.9714

mobile: 519.318.0237

derek.dudek@nexteraenergy.com

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From: [Dudek, Derek](#)
To: ["ahenry@london.ca"](mailto:ahenry@london.ca)
Subject: Goshen Wind Energy Centre - LHPWS
Date: Friday, December 16, 2011 2:57:00 PM
Attachments: [GSH_StudyArea-WaterPipeline.pdf](#)
[FW_Setbacks from LHWS easement.msg](#)

Hi Andrew,

Please see attached a copy of our draft site plan for our Goshen Wind Energy Centre along with a copy of previous email between ourselves.

I'd like to set up a meeting with you at your earliest convenience to discuss our project.

Please don't hesitate to contact me by email or on my cell to discuss.

THanks,

Derek Dudek | Community Relations Consultant
NextEra Energy Canada, ULC
5500 North Service Road, Burlington, ON L7L 6W6
o:905.335.4904 x18 f:905.335.5731
mobile - 519.318.0237
derek.dudek@nexteraenergy.com

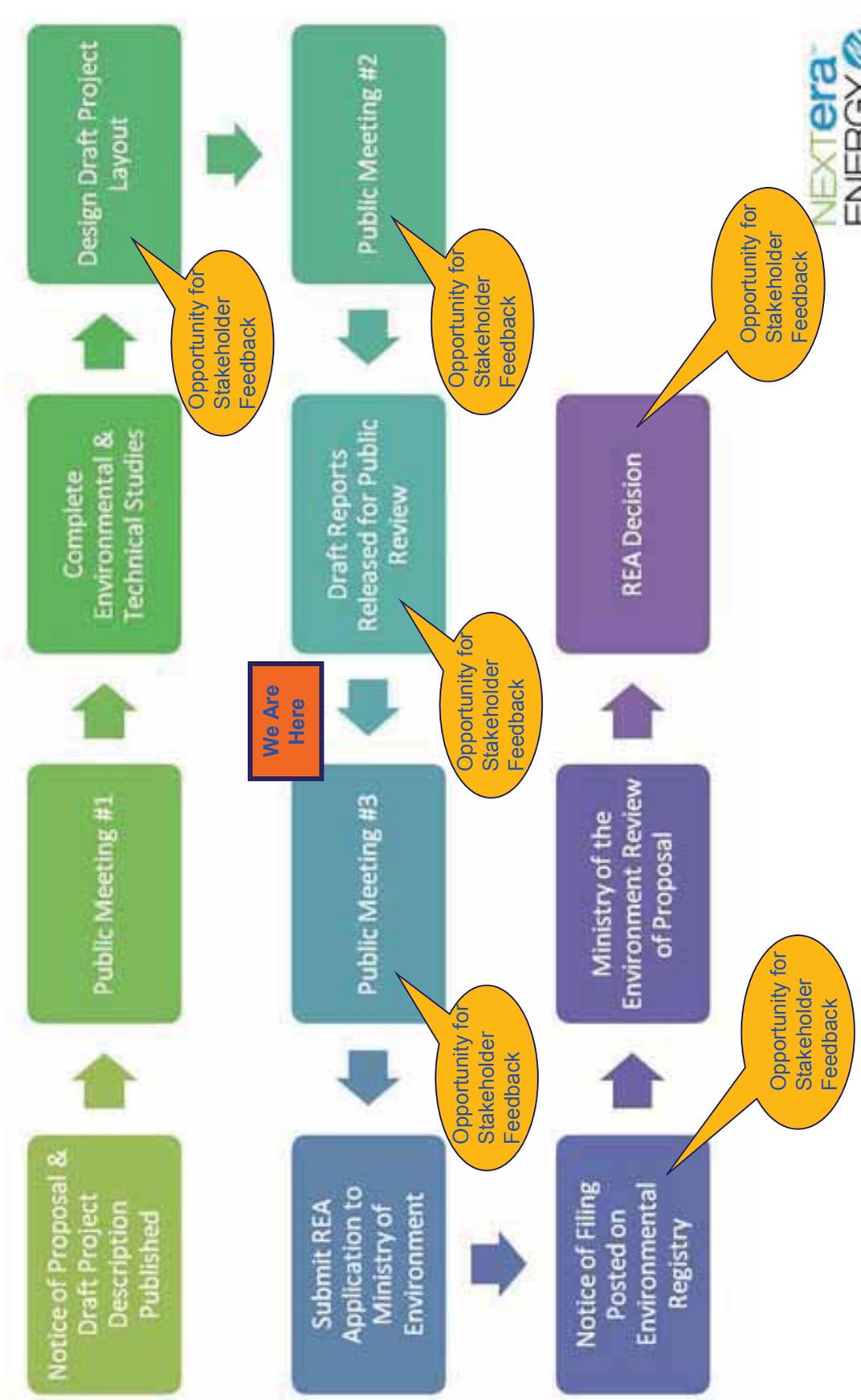


**Project Update – Goshen Wind Energy
Centre
NextEra Energy Canada, ULC**

**Nicole Geneau, Development
Derek Dudek, Community Relations**

December 3, 2012

Renewable Energy Approvals Process



Project Timeline: Goshen Wind Energy Centre

Task/Milestone	Timeline
Draft Renewable Energy Approval Release	September 2012
Submission of Final REA to MOE	January 2013
Receive REA	Early Fall 2013
Begin Construction	late 2013
Commercial Operation	Summer 2014

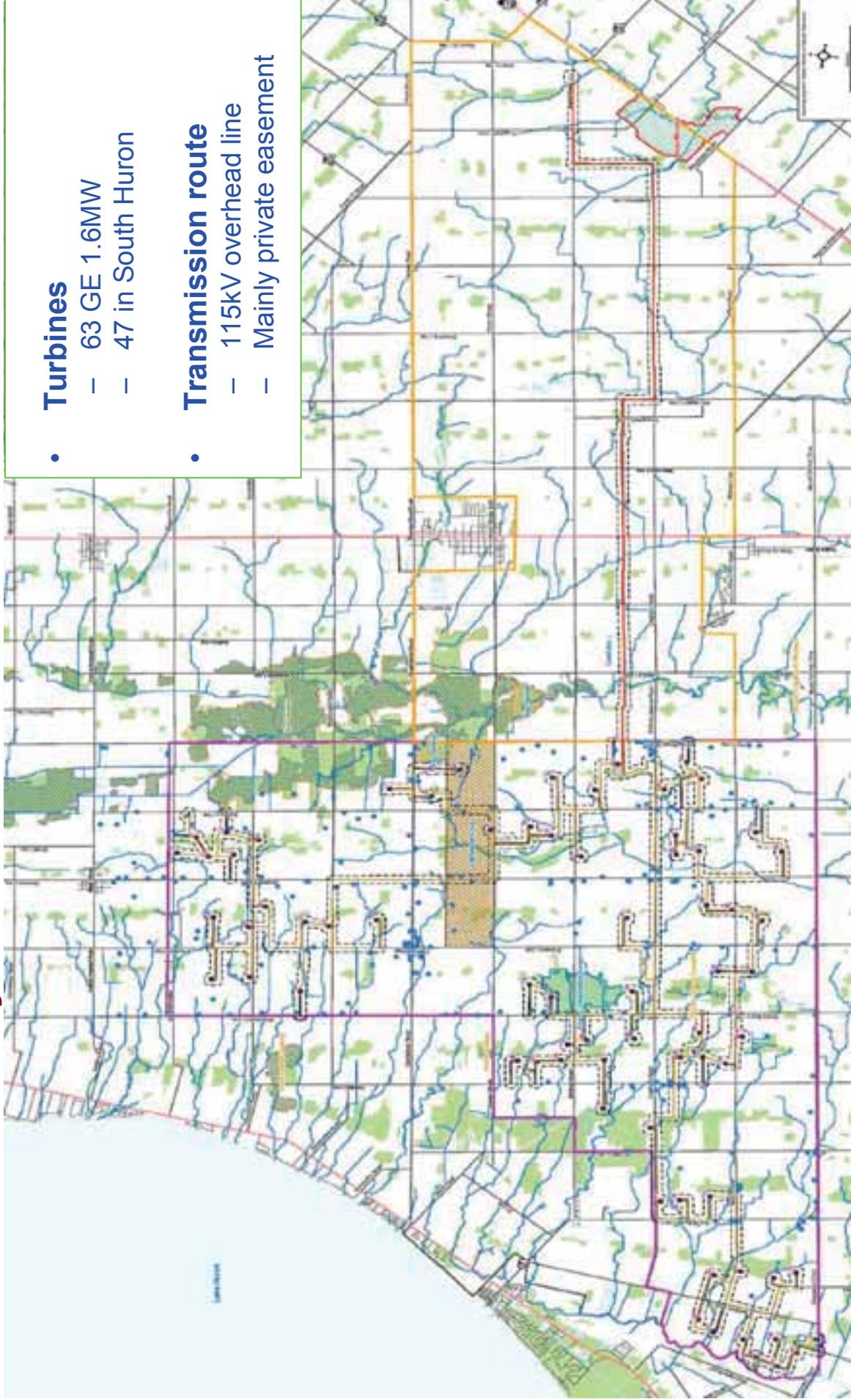
Consultation Plan

Project Update: Goshen Wind Energy Centre

- **Final Public Open Houses – Jan 9/10, 2013**
- **Municipal Consultation Form (“MCF”) – Jan 11, 2013**
- **Municipal Consultation – ongoing through 2013**
 - Response to MCF
 - Transmission Line routing
 - Detailed engineering design
 - Road User Agreement
 - Community Vibrancy Fund Agreement



Goshen WEC layout



- **Turbines**

- 63 GE 1.6MW
- 47 in South Huron

- **Transmission route**

- 115kV overhead line
- Mainly private easement



The Goshen Wind Energy Centre brings investment benefits to South Huron...

Economic Impacts: Goshen Wind Energy Centre

- **Approximately 250 construction jobs**
- **Approximately \$15 million in construction earnings**
- **Approximately 8-10 operations and management jobs**
- **Approximately \$20 million in earnings during operations**
- **Supply chain jobs (blades, gearbox, casings, towers, generators, driveshafts, power converters)**
- **Induced jobs (hospitality, construction service, security, auto/heavy machinery maintenance, etc.)**

economic impact numbers are estimated based on the 20 year life of the project



The Goshen Wind Energy Centre will bring many benefits to South Huron....

Economic Impacts: Goshen Wind Energy Centre

- **Municipal Assessment**
 - Total Annual Taxation - \$130,000 (Municipal, County, Education)
- **Infrastructure Upgrades**
 - Roads, bridges, culverts, etc.
- **Proposed Community Vibrancy Fund**
 - Funding for recreational / sustainability / community projects
 - \$3500/MW + \$5000/km Transmission Line in Public ROW

Municipal Agreements

- Construction Road Use / Right-of-Way Agreement
- Amenities Agreement
- Building and Entrance Permits



Thank You

NextEra Energy Canada, ULC

www.canadianwindproposals.com

goshen.wind@nexteraenergy.com

(416) 364-9714

