

Appendix E

First Nation and Aboriginal Communities Consultation

Appendix E1. First Nation and Aboriginal Communities Correspondence

Appendix E1.a Letter from the Ministry of the
Environment and Climate Change
Listing First Nation and Aboriginal
Communities to Consult

Appendix E1.b Project Notices and Cover Letters

- Notice of Public Meeting and
Proposal
- Notice of Draft Site Plan
- Notice of Draft REA Reports and
Second Public Meeting

Appendix E1.c Emails, Letters and
Communication Records

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Appendix E3. Summaries of REA Technical Reports Aboriginal Communities

Appendix E1. First Nation and Aboriginal Communities Correspondence

**Appendix E1.a Letter from the Ministry of
the Environment and
Climate Change Listing
First Nation and Aboriginal
Communities to Consult**

**Appendix E1.b Project Notices and Cover
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- Notice of Public Meeting and Proposal
- Notice of Draft Site Plan
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**Appendix E1.c Emails, Letters and
Communication Records**

Appendix E1.a
Letter from the Ministry of the
Environment and Climate
Change Listing First Nation and
Aboriginal Communities to Consult

**Ministry of the Environment
and Climate Change**

Environmental Approvals
Access and Service
Integration Branch

2 St. Clair Avenue West
Floor 12A
Toronto ON M4V 1L5
Tel.: 416 314-8001
Fax: 416 314-8452

**Ministère de l'Environnement et de
l'Action en matière de changement
climatique**

Direction de l'accès aux
autorisations environnementales
et de l'intégration des services

2, avenue St. Clair Ouest
Étage 12A
Toronto ON M4V 1L5
Tél : 416 314-8001
Téléc. : 416 314-8452



September 26, 2014

Brian Edwards
Belle River Wind LP
55 Standish Court, 9th Floor
Mississauga ON L5R 4B2

Dear Mr. Edwards:

RE: Notification of Proposed Renewable Energy Project

The Ontario Ministry of the Environment and Climate Change (the Ministry) has reviewed the information provided in the Draft of the Project Description Report (PDR) received for the Belle River Wind Project. The Ministry has reviewed the anticipated environmental effects of the project (as described in the PDR) relative to its current understanding of the interests of Aboriginal communities in the area.

In accordance with section 14 of Ontario Regulation 359/09 "*Renewable Energy Approvals under Part V.0.1 of the Act*" (O. Reg. 359/09) made under the *Environmental Protection Act*, please find below the list of aboriginal communities who, in the opinion of the Director:

- i) have or may have constitutionally protected aboriginal or treaty rights that may be adversely impacted by the project (s.14(b)(i)):

Aboriginal Community Common Name: Reserve Name [if applicable]: Contact Information
Aamjiwnaang First Nation Sarnia 45 978 Tashmoo Avenue Sarnia, ON N7T 7H5 Phone: (519) 336-8410 Fax: (519) 336-0382
Caldwell First Nation 14 Orange Street P.O. Box 388 Leamington ON L8H 3W3

Phone: 14 Orange Street
P.O. Box 388
Leamington ON L8H 3W3
Phone: 519-322-1766
Fax: (519) 322-1533

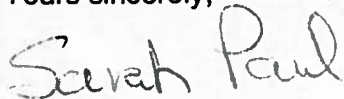
Oneida Nation of the Thames
Oneida 41
2212 Elm Ave
Southwold ON N0L 2G0
Phone: (519) 652-3244
Fax: (519) 651-9287

Walpole Island First Nation
Walpole Island 46
Bkejwanong Territory
R.R. #3
Wallaceburg ON N8A 4K9
Phone: (519) 627-1475
Fax: (519) 627-1530

NOTE: None of the foregoing should be taken to imply approval of this project or the contents of the PDR. This letter only addresses the requirement of the Director to provide a list of aboriginal communities to you as required pursuant to section 14 of O. Reg. 359/09. You should also be aware that information upon which the above list of Aboriginal communities is based is subject to change. Aboriginal communities can make assertions at any time, and other developments, for example the discovery of Aboriginal archaeological resources, can occur that may require additional aboriginal communities to be notified. Should this happen, the Ministry will contact you. Similarly, if you receive any feedback from any Aboriginal communities not included in this list, as part of your consultation, the Ministry would appreciate being notified.

Please contact Michelle Schlag, Aboriginal Consultation Advisor at 416-326-9608 or michelle.schlag@ontario.ca should you have any questions or require additional information.

Yours sincerely,



Sarah Paul
Director
Environmental Approvals Access and Service Integration Branch

c: Jody Law, Project Developer, Pattern Development 100 Simcoe St. Toronto ON M5H 3G2
Marc Rose, Sr. Environmental Planner, AECOM 105 Commerce Valley Drive West Markham ON L3T 7W5

**Ministry of the Environment
and Climate Change**

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Téléc. : 416 314-8452



September 26, 2014

Chief Louise Hillier
Caldwell First Nation
14 Orange Street
P.O. Box 388
Leamington ON L8H 3W3

Dear Chief Hillier:

RE: Notification of Proposed Renewable Energy Project

The Ontario Ministry of the Environment and Climate Change (the Ministry) has received and reviewed project information regarding a proposal for a renewable energy project titled Belle River Wind Project by Belle River LP (complete proponent contact information listed below). This project is being proposed to be located in the Town of Lakeshore in Essex County. The Ministry has reviewed the environmental effects of the project as described in the proponent's Draft of the Project Description Report (PDR), but at this stage of the process no conclusions have been reached concerning impacts.

In accordance with section 14 of Ontario Regulation 359/09 "*Renewable Energy Approvals under Part V.0.1 of the Act*" (O. Reg. 359/09) made under the *Environmental Protection Act*, I am of the opinion that your community has or may have constitutionally protected aboriginal or treaty rights that may be adversely impacted by the project.

This letter is to notify you that under O. Reg. 359/09, procedural aspects of the Crown's duty to consult have been delegated to proponents. The proponent is required to provide you with notices about the project and the location of any public meetings as well as a Draft of the PDR and summaries of other project documentation that are to be submitted as part of the application for the issue of a renewable energy approval.

The proponent is also required to seek your community's written input in respect of the project documentation and, in particular, any information that your community may have about:

- any adverse impacts the project may have on constitutionally protected aboriginal or treaty rights; and
- any measures for mitigating those adverse impacts.

As the process moves forward, the proponent is required to communicate with you about any adverse impacts or mitigation measures you identify and document these discussions in a Consultation Report. Once completed, the Consultation Report together with the project documentation will be submitted to the Ministry for its review and a decision under O.Reg. 359/09.

NOTE: None of the foregoing should be taken to imply approval of this project, the contents of the Draft of the PDR or a complete assessment of any negative environmental effects. This letter only serves to notify you that the Director provided a list of aboriginal communities to the proponent of this project as required by section 14 of O. Reg. 359/09 and that your community has been identified to them based on the Ministry's current understanding of treaties, traditional territories, claims and assertions in the project area.

The ministry encourages you to participate in the pre-submission consultation process and will follow up with you directly if and when an application for the issue of a renewable energy approval is submitted to the Ministry.

Please contact Michelle Schlag, Aboriginal Consultation Advisor at 416-326-9608 or by e-mail at michelle.schlag@ontario.ca should you have any questions or require additional information.

Yours sincerely,



Sarah Paul
Director
Environmental Approvals Access and Service Integration Branch

c: Brian Edwards Belle River Wind LP 55 Standish Court, 9th Floor Mississauga ON L5R 4B2
Jody Law, Project Developer, Pattern Development 100 Simcoe St. Toronto ON M5H 3G2
Marc Rose, Sr. Environmental Planner, AECOM 105 Commerce Valley Drive West Markham ON L3T 7W5

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and Climate Change**

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2, avenue St. Clair Ouest
Étage 12A
Toronto ON M4V 1L5
Tél : 416 314-8001
Télec. : 416 314-8452



September 26, 2014

Chief Sheri Doxtator
Oneida Nation of the Thames
2212 Elm Ave
Southwold ON N0L 2G0

Dear Chief Doxtator:

RE: Notification of Proposed Renewable Energy Project

The Ontario Ministry of the Environment and Climate Change (the Ministry) has received and reviewed project information regarding a proposal for a renewable energy project titled Belle River Wind Project by Belle River LP (complete proponent contact information listed below). This project is being proposed to be located in the Town of Lakeshore in Essex County. The Ministry has reviewed the environmental effects of the project as described in the proponent's Draft of the Project Description Report (PDR), but at this stage of the process no conclusions have been reached concerning impacts.

In accordance with section 14 of Ontario Regulation 359/09 "*Renewable Energy Approvals under Part V.0.1 of the Act*" (O. Reg. 359/09) made under the *Environmental Protection Act*, I am of the opinion that your community has or may have constitutionally protected aboriginal or treaty rights that may be adversely impacted by the project.

This letter is to notify you that under O. Reg. 359/09, procedural aspects of the Crown's duty to consult have been delegated to proponents. The proponent is required to provide you with notices about the project and the location of any public meetings as well as a Draft of the PDR and summaries of other project documentation that are to be submitted as part of the application for the issue of a renewable energy approval.

The proponent is also required to seek your community's written input in respect of the project documentation and, in particular, any information that your community may have about:

- any adverse impacts the project may have on constitutionally protected aboriginal or treaty rights; and
- any measures for mitigating those adverse impacts.

As the process moves forward, the proponent is required to communicate with you about any

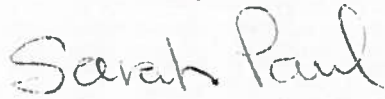
adverse impacts or mitigation measures you identify and document these discussions in a Consultation Report. Once completed, the Consultation Report together with the project documentation will be submitted to the Ministry for its review and a decision under O.Reg. 359/09.

NOTE: None of the foregoing should be taken to imply approval of this project, the contents of the Draft of the PDR or a complete assessment of any negative environmental effects. This letter only serves to notify you that the Director provided a list of aboriginal communities to the proponent of this project as required by section 14 of O. Reg. 359/09 and that your community has been identified to them based on the Ministry's current understanding of treaties, traditional territories, claims and assertions in the project area.

The ministry encourages you to participate in the pre-submission consultation process and will follow up with you directly if and when an application for the issue of a renewable energy approval is submitted to the Ministry.

Please contact Michelle Schlag, Aboriginal Consultation Advisor at 416-326-9608 or by e-mail at michelle.schlag@ontario.ca should you have any questions or require additional information.

Yours sincerely,



Sarah Paul
Director
Environmental Approvals Access and Service Integration Branch

c: Brian Edwards Belle River Wind LP 55 Standish Court, 9th Floor Mississauga ON L5R 4B2
Jody Law, Project Developer, Pattern Development 100 Simcoe St. Toronto ON M5H 3G2
Marc Rose, Sr. Environmental Planner, AECOM 105 Commerce Valley Drive West Markham ON L3T 7W5

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and Climate Change**

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Téléc. : 416 314-8452



September 26, 2014

Chief Dan Miskokomon
Walpole Island First Nation
Bkejwanong Territory
R.R. 3
Wallaceburg ON N8A 4K9

Dear Chief Miskokomon:

RE: Notification of Proposed Renewable Energy Project

The Ontario Ministry of the Environment and Climate Change (the Ministry) has received and reviewed project information regarding a proposal for a renewable energy project titled Belle River Wind Project by Belle River LP (complete proponent contact information listed below). This project is being proposed to be located in the Town of Lakeshore in Essex County. The Ministry has reviewed the environmental effects of the project as described in the proponent's Draft of the Project Description Report (PDR), but at this stage of the process no conclusions have been reached concerning impacts.

In accordance with section 14 of Ontario Regulation 359/09 "*Renewable Energy Approvals under Part V.0.1 of the Act*" (O. Reg. 359/09) made under the *Environmental Protection Act*, I am of the opinion that your community has or may have constitutionally protected aboriginal or treaty rights that may be adversely impacted by the project.

This letter is to notify you that under O. Reg. 359/09, procedural aspects of the Crown's duty to consult have been delegated to proponents. The proponent is required to provide you with notices about the project and the location of any public meetings as well as a Draft of the PDR and summaries of other project documentation that are to be submitted as part of the application for the issue of a renewable energy approval.

The proponent is also required to seek your community's written input in respect of the project documentation and, in particular, any information that your community may have about:

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- any measures for mitigating those adverse impacts.

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adverse impacts or mitigation measures you identify and document these discussions in a Consultation Report. Once completed, the Consultation Report together with the project documentation will be submitted to the Ministry for its review and a decision under O.Reg. 359/09.

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The ministry encourages you to participate in the pre-submission consultation process and will follow up with you directly if and when an application for the issue of a renewable energy approval is submitted to the Ministry.

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Yours sincerely,



Sarah Paul
Director
Environmental Approvals Access and Service Integration Branch

c: Brian Edwards Belle River Wind LP 55 Standish Court, 9th Floor Mississauga ON L5R 4B2
Jody Law, Project Developer, Pattern Development 100 Simcoe St. Toronto ON M5H 3G2
Marc Rose, Sr. Environmental Planner, AECOM 105 Commerce Valley Drive West Markham ON
L3T 7W5

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the Environment**

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**Ministère de
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2, avenue St. Clair Ouest
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Tél : 416 314-8001
Téléc. : 416 314-8452



September 26, 2014

Chief Chris Plain
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, ON N7T 7H5

Dear Chief Plain:

RE: Notification of Proposed Renewable Energy Project

The Ontario Ministry of the Environment and Climate Change (the Ministry) has received and reviewed project information regarding a proposal for a renewable energy project titled Belle River Wind Project by Belle River LP (complete proponent contact information listed below). This project is being proposed to be located in the Town of Lakeshore in Essex County. The Ministry has reviewed the environmental effects of the project as described in the proponent's Draft of the Project Description Report (PDR), but at this stage of the process no conclusions have been reached concerning impacts.

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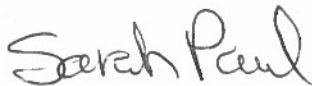
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Yours sincerely,



Sarah Paul
Director
Environmental Approvals Access and Service Integration Branch

c: Brian Edwards Belle River Wind LP 55 Standish Court, 9th Floor Mississauga ON L5R 4B2
Jody Law, Project Developer, Pattern Development 100 Simcoe St. Toronto ON M5H 3G2
Marc Rose, Sr. Environmental Planner, AECOM 105 Commerce Valley Drive West Markham ON L3T 7W5
Sharlyn Johnston, Environment Coordinator, Aamjiwnaang Environment Department

MS/

Appendix E1.b

Project Notices and Cover Letters

- Notice of Public Meeting and Proposal
- Notice of Draft Site Plan
- Notice of Draft REA Reports and
Second Public Meeting

Notice of Public Meeting and Proposal

Shaken Tony Stewart strongly contemplating retirement

By Neil Becker
Sports Writer

Suffering greatly from shock three-time Sprint Cup Champion Tony Stewart is set to announce his retirement along with selling off his half of his ownership to Stewart-Hass Racing.

Stewart who hasn't raced since tragically striking and killing Kevin Ward Jr during a dirt race in Canadagaua N.Y. stressed to those



around him that he can no longer get into a race car and drive.

"This was a tragic accident, one he just can't get over," former NASCAR champion and Hall of Fame member Rusty Wallace said. "I talked with Tony yesterday and he made it clear, he is done with racing. I tried to suggest to him to take time off and think it over for a few months. He told me that

he has made up his mind and will announce it soon. I hope he changes his mind, but it sure sounded like he meant it."

According to NASCAR insider Darrell Waltrip Stewart who is known for his aggressive racing competitive nature is still completely stunned and is currently preparing what to tell fans along with Kevin Ward Sr.

"The man hasn't slept for

days. This has rocked his world harder than anything he has ever had to deal with," Waltrip said. "He told me he could never effectively get back in a race car and drive. He can barely bring himself to drive his Ford Taurus to the supermarket and back without cringing. I expect an announcement in the next few days, he is just working on what he is going to say to the fans

and most importantly the father of the victim, Kevin Ward Sr."

Ward Jr. Was killed shortly after angrily climbing out of his spring car in a race and during a caution gestured and approached Stewart's car before seconds later getting hit.

While on transport to hospital Ward Jr. who was at the Ohsweken Speedway earlier this summer was officially pronounced dead.



**THE MISSISSAUGAS OF THE
NEW CREDIT FIRST NATION**
is accepting applications for the
position of
**Director of Social and Health
Services**

Summary:

To provide Social & Health Services and Employment & Training programs/services that meet the needs of families, individuals and the MNCFN Community as a whole by:

- Ensuring the operations meet or exceed the standards prescribed by the MNCFN Council, and the Provincial and Federal governments
- Striving to improve and expand on existing programs as pertains to Community support, Family Support, Social Assistance, Health Services and Employment & Training

MINIMUM REQUIREMENTS:

- University Degree in Social Work or related area
- Minimum five years supervisory experience
- Excellent communication skills
- Excellent interpersonal skills
- Solid background in computers with working knowledge of Microsoft Word and Excel
- Successful applicant must provide the results of a current criminal reference check including a vulnerable sector check
- Applicants must provide copies of educational qualifications

ASSETS:

- Work experience in First Nation Social and/or Health Services
- Experience working for First Nations or First Nations Organizations
- Basic understanding of Federal and Provincial legislation impacting on First Nations Governments
- Valid Ontario drivers license and vehicle

Salary Range: \$67,798 - \$77,798

Please submit your Cover Letter, Resume, Proof of Qualifications, and three (3) current references, with two of the references being work related if possible to:

The Mississaugas of the New Credit First Nation
Attention: MNCFN Personnel Committee
2789 Mississauga Rd., R.R. #8
Hagerstown, Ontario
NOA 1H0

Closing Date: Wednesday, August 27, 2014 @ 12:00 Noon

A detailed Job Description is available at the Mississaugas of the New Credit Administration Building or the Meamwi-grawending Building. Note: Due to the MNCFN Organizational Review in process the job description is subject to revision wherein responsibility for Health Services may be eliminated. Only those candidates successful in the Selection & Hiring Process will be contacted.

NOTICE OF PUBLIC MEETING AND PROPOSAL By SP Belle River to Engage in a Renewable Energy Project

Project Name: Belle River Wind Project (the "Project")

Project Location: Town of Lakeshore, Essex County, Ontario

Dated at: Town of Lakeshore, Essex County this the 18th of August, 2014

SP Belle River Wind, LP, by its general partner, SP Belle River Wind GP, Inc. (SP Belle River) is planning to engage in a renewable energy project in respect of which the issuance of a renewable energy approval ("REA") is required. SP Belle River (the "Developer") is a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC (Pattern Energy) and Samsung Renewable Energy, Inc. (Samsung Renewable Energy). The distribution of this notice of a proposal to engage in this renewable energy project and the Project itself are subject to the provisions of the *Environmental Protection Act* (the "Act") Part V.0.1 and Ontario Regulation 359/09 (the "Regulation"). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of the Environment and Climate Change.

Notification of First Public Meeting:

Date: September 23, 2014

Time: 5:00 p.m. to 8:00 p.m.

Location: Knights of Columbus Club
1303 County Road 22, Belle River, ON N0R 1A0

Project Description:

Pursuant to the Act and Regulation, the facility comprising the Project is considered to be a Wind Facility, Class 4. If approved, this facility would have a total nameplate capacity of up to 150 MW. The project location is shown in the map below. The Project is being proposed in accordance with the requirements of the Act and Regulation.

Documents for Public Review:

The Draft Project Description Report (the "Draft PDR") describes the proposed facility, including site preparation and construction, operations and maintenance; and decommissioning of wind turbines, access roads, collection lines, a transmission line and electrical substation, and other ancillary components. Site plan and layout options for the Project are currently being developed by the Developer and will be finalized during the REA process. In accordance with the Regulation, a hard copy of the Draft PDR will be made available for public inspection starting on Thursday August 21st, 2014 at the Town of Lakeshore Municipal Office (419 Notre Dame Street, Belle River) and the Lakeshore Branch of the Essex County Library System (304 Rourke Line Road, Belle River). The Draft PDR will also be available on the Project website: www.belleriverwind.com.

Project Contacts and Information:

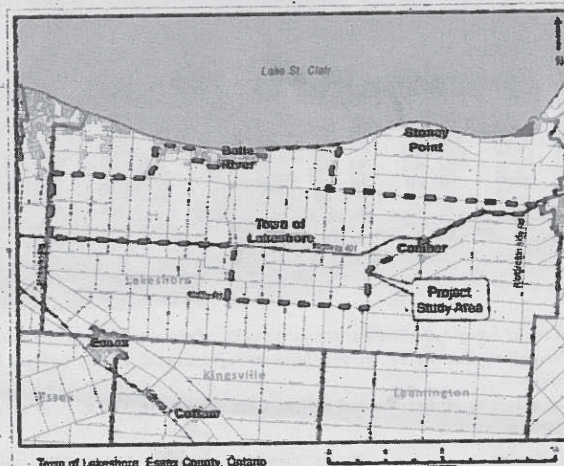
To learn more about the Project or to provide feedback, please contact:

Project Email: info@belleriverwind.com

Jody Law, Project Developer
Pattern Renewable Holdings Canada ULC
100 Simcoe Street
Toronto, ON M5H 3G2
Phone: (416) 263-8028

Brian Edwards, Project Developer
Samsung Renewable Energy Inc.
55 Standish Court
Mississauga, ON L5R 4B2
Phone: (905) 501-6667

Marc Rose, Consultant Project Manager
AECOM
105 Commerce Valley Drive West
Markham, ON L3T 7W3
Phone: (905) 747-7793



NOTICE OF PUBLIC MEETING AND PROPOSAL

By SP Belle River to Engage in a Renewable Energy Project

Project Names: Belle River Wind Project (the "Project")

Project Location: Town of Lakeshore, Essex County, Ontario

Dated at: Town of Lakeshore, Essex County this the 18th of August, 2014

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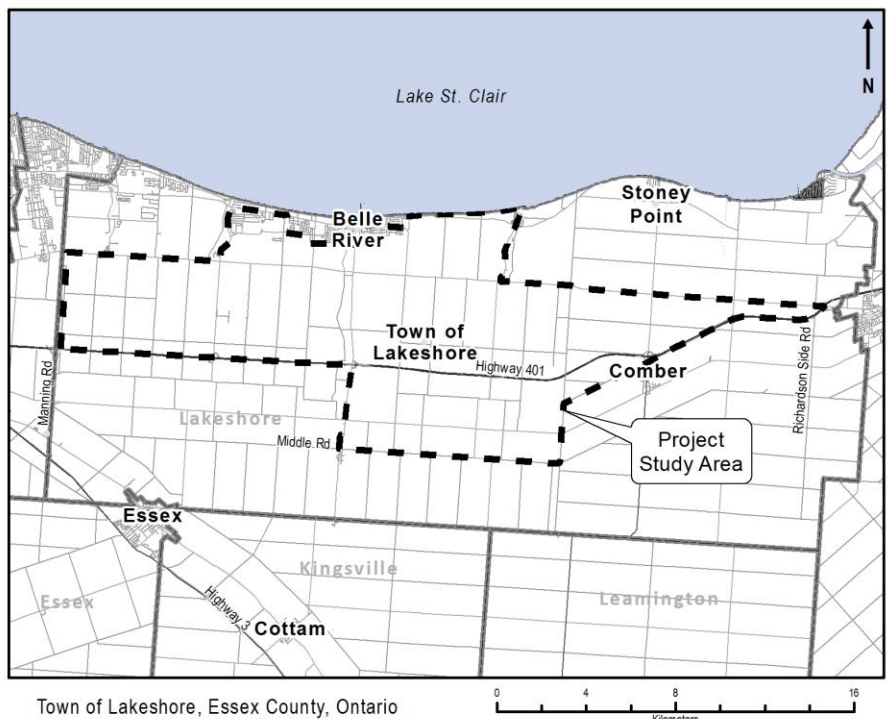
To learn more about the Project or to provide feedback, please contact:

Project Email: info@belleriverwind.com

Jody Law, Project Developer
Pattern Renewable Holdings Canada ULC
100 Simcoe Street
Toronto, ON M5H 3G2
Phone: (416) 263-8029

Brian Edwards, Project Developer
Samsung Renewable Energy Inc.
55 Standish Court
Mississauga, ON L5R 4B2
Phone: (905) 501-5667

Marc Rose, Consultant Project Manager
AECOM
105 Commerce Valley Drive West
Markham, ON L3T 7W3
Phone: (905) 747-7793



AVIS DE PROJET ET RÉUNION PUBLIQUE

Projet d'énergie renouvelable de SP Belle River

Nom du Projet: Projet Belle River Wind (le «Projet»)

Localisation: Ville de Lakeshore, Comté d'Essex, Ontario

Date: 18 août 2014

SP Belle River Wind LP, au travers de son associé SP Belle River Wind GP, Inc. (SP Belle River), cherche à développer un projet d'énergie renouvelable pour lequel une autorisation de projet d'énergie renouvelable («APER») est requise. SP Belle River (le «Promoteur») est une société en commandite détenue par Pattern Renewable Holdings Canada, ULC (Pattern Development) et Samsung Renewable Energy, Inc. (Samsung Renewable Energy). La distribution du présent avis de projet de même que le développement du Projet d'énergie renouvelable sont soumis aux exigences de la section V.0.1 de la *Loi sur la protection de l'environnement* (la «Loi») et du Règlement de l'Ontario 359/09 (le «Règlement»). Cet avis doit être distribué conformément à la section 15 du Règlement avant que la demande soit présentée et évaluée par le Ministère de l'Environnement et de l'Action en matière de changement climatique.

Notification de la première réunion publique:

Date: 23 septembre 2014
Heure: 17:00 à 20:00
Lieu: Knights of Columbus Club
1303 County Road 22, Belle River, ON N0R 1A0

Description du Projet:

Conformément à la Loi et au Règlement, l'installation considérée par le Projet est un parc éolien de classe 4. Si elle est approuvée, cette installation aura une puissance nominale maximale de 150 MW. L'emplacement du Projet est illustré sur la carte ci-dessous. Le Projet proposé est conforme aux exigences de la Loi et du Règlement.

Documents pour l'examen public:

Le Rapport préliminaire de description de Projet (le «RDP préliminaire») présente l'installation proposée, incluant la préparation et la construction du site de même que l'exploitation, l'entretien et le démantèlement des éoliennes, des routes d'accès, des conduites de collecte, de la ligne de transmission, du poste électrique et des autres composants auxiliaires du Projet. Le plan du site et les différentes options d'aménagement du Projet sont présentement développés par le Promoteur et seront finalisés pendant le processus d'APER. Conformément au Règlement, une copie papier du RDP préliminaire sera mise à la disposition du public pour consultation à partir du Jeudi 21 août 2014 au bureau municipal de la Ville de Lakeshore (419 Notre Dame Street, Belle River) et à la succursale Lakeshore du réseau de bibliothèque du Comté d'Essex (304 Rourke Line Road, Belle River). Le RDP préliminaire sera aussi disponible sur le site internet du Projet : www.belleriverwind.com. Les documents présentés lors des réunions publiques seront disponibles en anglais.

Contact et information sur le Projet:

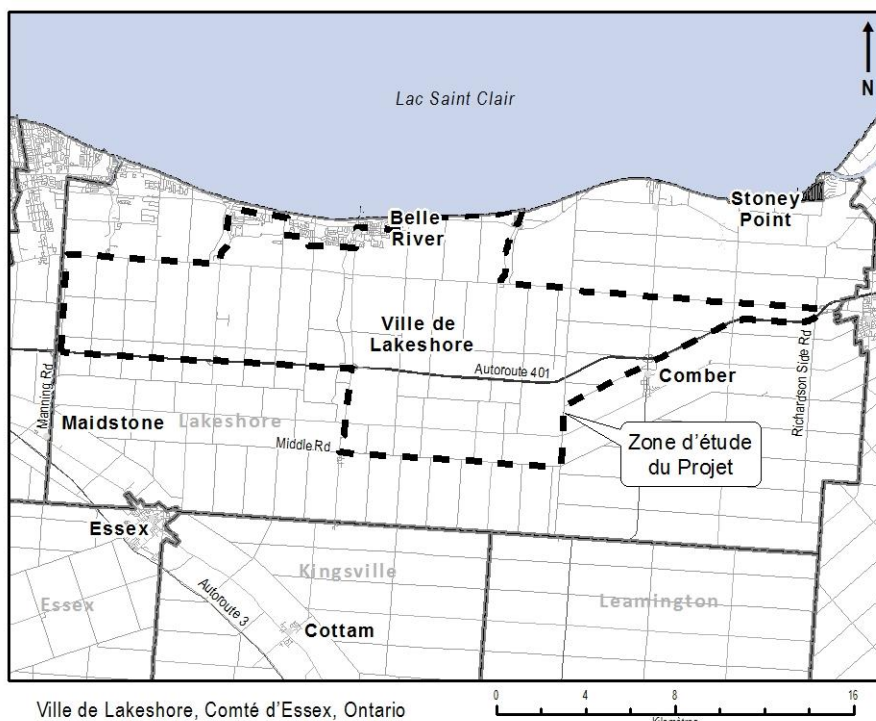
Pour en savoir davantage sur le Projet ou pour partager vos commentaires, veuillez contacter :

Courriel : info@belleriverwind.com

Jody Law, Promoteur du Projet
Pattern Renewable Holdings Canada ULC
100 Simcoe Street
Toronto, ON M5H 3G2
Tél : (416) 263-8029

Brian Edwards, Promoteur du Projet
Samsung Renewable Energy Inc.
55 Standish Court
Mississauga, ON L5R 4B2
Tél : (905) 501-5667

Marc Rose, Consultant / Chef de Projet
AECOM
105 Commerce Valley Drive West
Markham, ON L3T 7W3
Tél : (905) 747-7793





SP Belle River Wind LP
55 Standish Court
Mississauga, Ontario L5R 4B2
T +1 844 868 8933
www.belleriverwind.com

August 19, 2014

Chief Christopher Plain
Aamjiwnaang (Chippewas of Sarnia First Nation)
978 Tashmoo Avenue,
Sarnia, Ontario N7T 7H5

Dear Chief and Council,

Subject: Notice of Public Meeting and Proposal to Engage in the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada ULC and Samsung Renewable Energy Inc. (the "Developer"), is planning to engage in a renewable energy project for which the issuance of a renewable energy approval ("REA") is required. We are writing this letter to share information with you about the Belle River Wind Project (the "Project") in accordance with Ontario Regulation 359/09, as well as to obtain information related to your community's aboriginal or treaty interests regarding this project.

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- Operations building (to accommodate offices, mess facilities, control facilities, storage space, maintenance work area and a parking area).



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As part of the formal notification process, we are also providing you with a copy of the Draft Project Description Report. Please feel free to make one copy available at your Band Office so that your community has a chance to review the document. Any comments or questions can be sent directly to us at the addresses below.

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Our team is currently preparing studies of the environmental and cultural effects of the Project, and we will work with the appropriate federal and provincial agencies to meet the requirements for all permits or approvals. As part of our studies, there may be opportunities for some community members to get further involved, such as in the role of archaeology field monitors. If your community is interested, please contact the project team (contact provided below) to help identify some of your community resources that may be able to assist.

We look forward to your participation in this REA process. More information about the Project will be made available on the project website: www.belleriverwind.com. If you have any questions or comments regarding the Project, please feel free to contact us at info@belleriverwind.com or using the contact information provided below. Please also identify if there are any other individuals that you would like us to add to our contact list for this project.

SAMSUNG RENEWABLE ENERGY INC.
Jeong-Tack Lee, Director
55 Standish Court
Mississauga, ON L5R 4B2
Phone: 905-501-5667

PATTERN RENEWABLE HOLDINGS CANADA ULC
Colin Edwards, Director
100 Simcoe St., Suite 105
Toronto, ON M5H 3G2
Phone: 416-263-8029

Enclosures: Notice of Public Meeting and Proposal to Engage in a Renewable Energy Project
Draft Project Description Report

c.c. Sharilyn Johnston, Environmental Coordinator, Aamjiwaang Environment Department
Shelley Redmond, Band Clerk



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August 19, 2014

Chief Daniel Miskokomon
Bkejwanong (Walpole Island) First Nation
117 Tahgahoning Road, R.R. #3
Wallaceburg, Ontario N8A 4K9

Dear Chief and Council,

Subject: Notice of Public Meeting and Proposal to Engage in the Belle River Wind Project

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c.c. Dean Jacobs, Director, Walpole Island Heritage Centre



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August 19, 2014

Chief Louise Hillier
Caldwell First Nation
P.O. Box 388
Leamington, Ontario N8H 3W3

Dear Chief and Council,

Subject: Notice of Public Meeting and Proposal to Engage in the Belle River Wind Project

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August 19, 2014

Chief Joe Miskokomon
Chippewas of Thames First Nation
320 Chippewa Road, R.R. #1
Muncey, Ontario N0L 1Y0

Dear Chief and Council,

Subject: Notice of Public Meeting and Proposal to Engage in the Belle River Wind Project

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c.c. Candace Doxtator, Council Secretary
Rolanda Elijah, Lands & Environment Director



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August 19, 2014

Hohahes Leroy Hill
Secretary to Haudenosaunee Confederacy Chiefs Council
2634 6th Line Road RR#2
Oshweken, Ontario N0A 1M0

Dear Hohahes Leroy Hill and Council,

Subject: Notice of Public Meeting and Proposal to Engage in the Belle River Wind Project

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c.c. Al Day, Haudenosaunee Confederacy Council



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August 19, 2014

Chief Greg Peters
Delaware Nation (Moravian of the Thames)
14760 School House Line, R.R. #3
Thamesville, Ontario N0P 2K0

Dear Chief and Council,

Subject: Notice of Public Meeting and Proposal to Engage in the Belle River Wind Project

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Draft Project Description Report



SP Belle River Wind LP
55 Standish Court
Mississauga, Ontario L5R 4B2
T +1 844 868 8933
www.belleriverwind.com

August 19, 2014

Chief Roger Thomas
Munsee-Delaware First Nation
R.R. #1, 289 Jubilee Road
Muncey, Ontario N0L 1Y0

Dear Chief and Council,

Subject: Notice of Public Meeting and Proposal to Engage in the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada ULC and Samsung Renewable Energy Inc. (the "Developer"), is planning to engage in a renewable energy project for which the issuance of a renewable energy approval ("REA") is required. We are writing this letter to share information with you about the Belle River Wind Project (the "Project") in accordance with Ontario Regulation 359/09, as well as to obtain information related to your community's aboriginal or treaty interests regarding this project.

About the Proposed Project: The proposed project is located in the Town of Lakeshore in Essex County and would produce a total nameplate capacity of up to 150 megawatts ("MW") of electricity. The total number of turbines will be dependent on the type(s) of turbines that will be used, the individual MW generation capacity of each turbine, and potential changes to the overall nameplate capacity. Once the turbine model has been selected, the layout design and number of turbines will be finalized and presented during the consultation process. Other components associated with the Project include:

- Pad mounted step-up transformers (to convert the electricity generated by the turbines to a common electrical collector line voltage);
- Buried and overhead electrical collector system and ancillary facilities (to move electricity from the pad-mounted transformers to the substation);
- A collector substation (where the project will connect to the transmission grid);
- Transmission line and grid connection (i.e., interconnection station) to the Hydro One transmission system (to connect the collector substation with the Hydro One network);
- Turbine access roads (to allow construction and maintenance equipment can access the site);
- Temporary staging areas for erection of wind turbines (for construction equipment);
- Meteorological towers (to collect data on wind direction and speed); and
- Operations building (to accommodate offices, mess facilities, control facilities, storage space, maintenance work area and a parking area).



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As part of the formal notification process, we are also providing you with a copy of the Draft Project Description Report. Please feel free to make one copy available at your Band Office so that your community has a chance to review the document. Any comments or questions can be sent directly to us at the addresses below.

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Our team is currently preparing studies of the environmental and cultural effects of the Project, and we will work with the appropriate federal and provincial agencies to meet the requirements for all permits or approvals. As part of our studies, there may be opportunities for some community members to get further involved, such as in the role of archaeology field monitors. If your community is interested, please contact the project team (contact provided below) to help identify some of your community resources that may be able to assist.

We look forward to your participation in this REA process. More information about the Project will be made available on the project website: www.belleriverwind.com. If you have any questions or comments regarding the Project, please feel free to contact us at info@belleriverwind.com or using the contact information provided below. Please also identify if there are any other individuals that you would like us to add to our contact list for this project.

SAMSUNG RENEWABLE ENERGY INC.
Jeong-Tack Lee, Director
55 Standish Court
Mississauga, ON L5R 4B2
Phone: 905-501-5667

PATTERN RENEWABLE HOLDINGS CANADA ULC
Colin Edwards, Director
100 Simcoe St., Suite 105
Toronto, ON M5H 3G2
Phone: 416-263-8029

Enclosures: Notice of Public Meeting and Proposal to Engage in a Renewable Energy Project
Draft Project Description Report



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August 19, 2014

Chief Sheri Doxtator
Oneida Nation of the Thames
2212 Elm Avenue
Southwold, Ontario N0L 2G0

Dear Chief and Council,

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c.c. Stacey Philips, Chief Executive Officer



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August 19, 2014

President John Rochon
Windsor Essex Kent Métis Council
145-600 Techumseh Road East
Windsor, Ontario N8X 4X9

Dear President and Council,

Subject: Notice of Public Meeting and Proposal to Engage in the Belle River Wind Project

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August 19, 2014

Aly Alibhai
Director, Lands, Resources and Consultations
Métis Nation of Ontario
75 Sherbourne St., Suite 311
Toronto, Ontario M5A 2P9

Dear Aly Alibhai,

Subject: Notice of Public Meeting and Proposal to Engage in the Belle River Wind Project

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c.c. Métis Nation of Ontario Consultation Unit

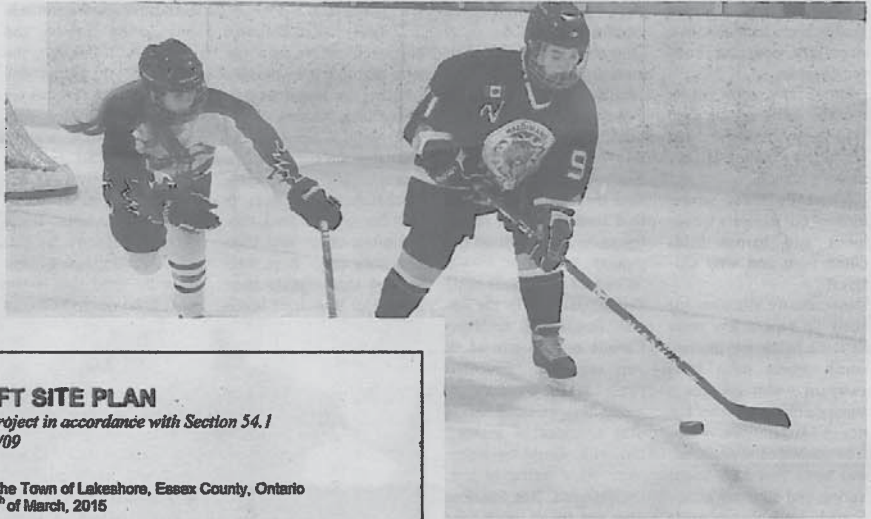
Notice of Draft Site Plan

Mikenzie Sandy comes up clutch for River Cats

By Neil Becker
Sports Writer

There's absolutely no doubting the fierce competitiveness of Haldimand River Cats Midget goalie Mikenzie Sandy. While off the ice Sandy who is currently attending Hagersville Secondary School is a soft spoken young lady once she puts those goal pads on and hits the ice those competitive juices kick in and

the Cats most recent playoff game which ended in a 1-1 draw against Norfolk was no exception. After allowing a second period goal seconds after her team scored Sandy who also excels in softball, field lacrosse and ringette showed those competitive fires. "I was so angry. I was yelling (to the referee) goalie interference," Sandy said. She (oppo-



The River Cats who had two AP players in their line-up had some quality offensive opportunities against Norfolk but could only muster what was a hard fought playoff draw. (Photo by Neil Becker)



NOTICE OF DRAFT SITE PLAN

for a Renewable Energy Project in accordance with Section 54.1 of Ontario Regulation 359/09

Project Name: Belle River Wind Project (the "Project")

Project Location: The Project is located in the Municipality of the Town of Lakeshore, Essex County, Ontario
Notice Dated at: Town of Lakeshore, Essex County this, the 4th of March, 2015

Applicant: The Project is being proposed by SP Belle River Wind, LP, by its general partner, SP Belle River Wind, GP Inc. ("Belle River Wind"). Belle River Wind is a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Development") and Samsung Renewable Energy, Inc. ("Samsung Renewable Energy").

Project Description: As a renewable energy facility, the Project is subject to the provisions of the *Environmental Protection Act* (the "Act") Part V.0.1 and Ontario Regulation 359/09 (the "Regulation") and requires a Renewable Energy Approval (REA) prior to construction. This notice is being distributed in accordance with section 54.1 of the Regulation prior to an application being submitted to the Ministry of the Environment and Climate Change (MOECC).

If approved, the Project would have a total maximum nameplate capacity of up to 100 megawatts (MW). As identified in the Act and Regulation, the Project is considered to be a Class 4 wind facility. This project is being proposed in accordance with the requirements of the Act and Regulation. The location of key Project components is shown in the map below. Additional information about the Project, including a Draft Project Description Report, is available online at www.belleriverwind.com.

Draft Site Plan: A Draft Site Plan has been prepared to identify and describe the location of key Project components, including wind turbines and the collector substation. By this Notice, pursuant to the Regulation, the Project must consider noise receptors as defined by the Act that existed as of March 3, 2015.

Noise Impact Assessment: A Noise Impact Assessment has been prepared to demonstrate that the placement of turbines and the collector substation complies with the MOECC's 2008 publication entitled "Noise Guidelines for Wind Farms".

Documents for Public Review: In accordance with the Regulation, copies of the Draft Site Plan and Noise Impact Assessment will be made available for public review as of March 9, 2015, at the Town of Lakeshore Municipal Office (419 Notre Dame Street, Belle River), County of Essex Municipal Office (380 Fairview Avenue West, Essex) and the Lakeshore Branch of the Essex County Library System (447 Renaud Line Road, Belle River). The reports will also be made available for public review online at www.belleriverwind.com. The documents will be available for review in English.

Project Contact Information:
To learn more about the Project or to provide feedback, please contact:

Project Email:
info@belleriverwind.com

Jody Law, Project Developer
Pattern Development
100 Simcoe Street
Toronto, ON M5H 3G2
Phone: (416) 263-8029

Brian Edwards, Project Developer
Samsung Renewable Energy
2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5887

Marc Rose, Project Manager
AECOM
105 Commerce Valley Drive West
Markham, ON L3T 7W3
Phone: (905) 747-7793



ment) took me out at the knees and the goal shouldn't have counted and it should have been a goalie interference penalty." Without even hesitating Sandy who had some encouraging words about how her team played but still thinks they could perform better was quick to come up with what was her best save of the game.

"In the third period I made a quick glove save," Sandy said.

"I really like catching the puck. I'm still really enjoying playing. I could have played better."

Sandy said.

Wearing that ever present smile Sandy whose team also tied their first playoff game which came against Delfasco had some high praise in saying "We played well on defense. We (her and defenseman)

communicate really well. Everyone really works well together."

Reflecting on the game as a whole Sandy whose team hasn't been together on the ice for a couple of weeks admitted that everything wasn't perfect as there was still some rust to their game.

"I don't think we performed like we can," Sandy said. "We haven't been together for a couple of weeks and we made some silly mistakes."

Enjoying home ice advantage Caledonia who were playing in front of their enthusiastic fan base had the game despite it being a playoff affair called with approximately five minutes remaining due to curfew restrictions.

Minutes after making her final save and towelling off in the Cats dressing room Sandy who admitted with a laugh that her team has been tying a lot of games lately showed her competitiveness in saying "We want to position ourselves well for Super Sunday."



NOTICE OF DRAFT SITE PLAN

for a Renewable Energy Project in accordance with Section 54.1
of Ontario Regulation 359/09

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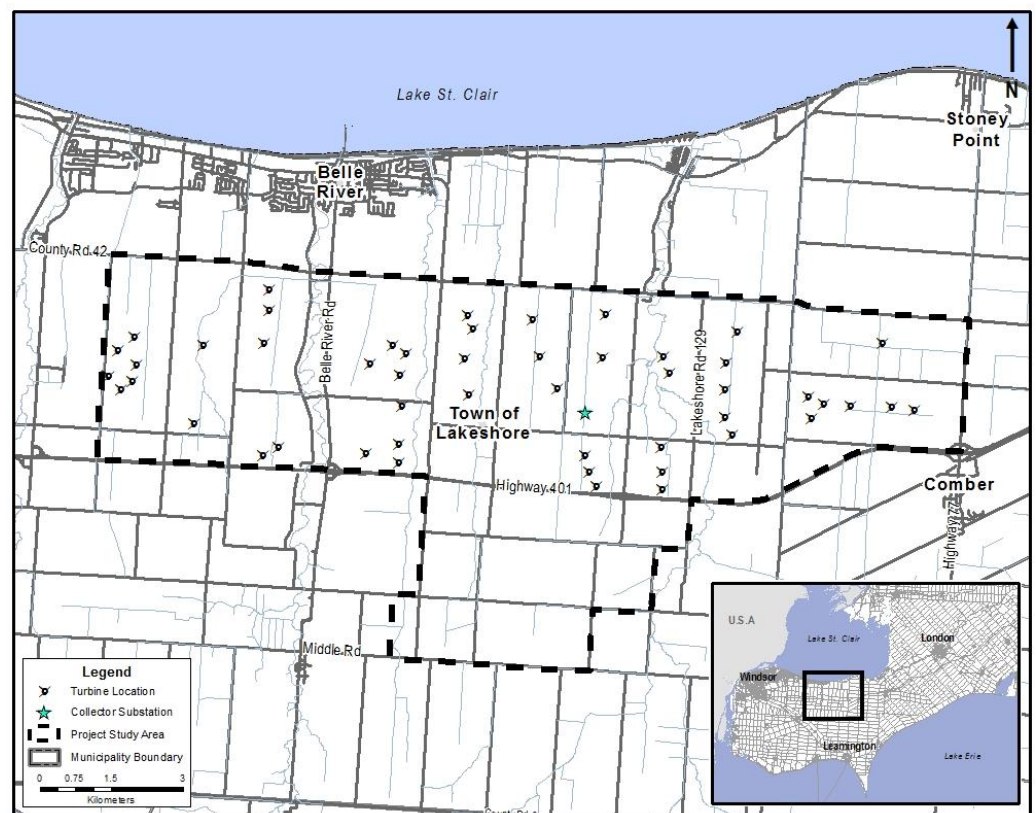
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AVIS –PLAN PRÉLIMINAIRE DU SITE

*Projet d'énergie renouvelable en conformité avec la
Section 54.1 du Règlement de l'Ontario 359/09*

Nom du projet : Projet Belle River Wind (le « Projet »)

Localisation : Ville de Lakeshore, Comté d'Essex, Ontario

Émissions de l'avis de projet : Ville de Lakeshore, Comté d'Essex, le 4 mars 2015

Promoteur : Le projet est proposé par SP Belle River Wind LP, au nom de son associée SP Belle River Wind GP Inc. («Belle River Wind»). Belle River Wind est une société en commandite détenue par Pattern Renewable Holdings Canada, ULC («Pattern Development») et Samsung Renewable Energy, Inc. («Samsung Renewable Energy»).

Description du projet : Étant une installation d'énergie renouvelable, le Projet est soumis aux dispositions de la Partie V.0.1 de la *Loi sur la protection de l'environnement* (la «Loi») et du Règlement de l'Ontario 359/09 (le «Règlement»). Le projet nécessite une autorisation de projet d'énergie renouvelable (APER) avant la construction. Conformément à la Section 54.1 du Règlement, cet avis est distribué avant la soumission de la demande d'autorisation au Ministère de l'Environnement et de l'Action en matière de changement climatique de l'Ontario (MOECC). Conformément à la Loi et au Règlement, l'installation considérée par le projet est un parc éolien de classe 4. S'il est approuvé, le projet aura une puissance nominale maximale de 100 MW. Les principales composantes du projet sont illustrées au plan ci-dessous. Des informations supplémentaires sur le projet, incluant le rapport préliminaire de la description de Projet, sont disponibles en ligne au www.belleriverwind.com.

Plan préliminaire du site : Un plan préliminaire du site a été préparé afin d'identifier et de décrire l'emplacement des principales composantes du Projet, incluant les éoliennes et le poste de raccordement. En vertu du Règlement et par le présent avis, le projet doit tenir compte des zones sensibles au bruit qui existaient en date du 3 mars 2015, tel que défini par la Loi.

Évaluation d'impact sonore : L'évaluation d'impact sonore a été réalisée afin de démontrer que l'emplacement des turbines et des postes de raccordement est conforme à la publication intitulée « Lignes directrices visant le bruit émis par les centrales éoliennes » du Ministère de l'Environnement et de l'Action en matière de changement climatique, parue en 2008.

Documents pour l'examen public : Conformément au Règlement, des copies du plan préliminaire du site et de l'évaluation d'impact sonore seront disponibles au public pour consultation à partir du 9 mars 2015, au bureau municipal de la Ville de Lakeshore (419, rue Notre-Dame, Belle River), au bureau municipal du Comté d'Essex (360 Fairview Avenue West, Essex) et à la succursale Lakeshore du réseau de bibliothèques du Comté d'Essex (447 Renaud Line, Belle River). Les documents, disponibles en anglais, peuvent également être consultés en ligne au www.belleriverwind.com.

Contact et information sur le projet :

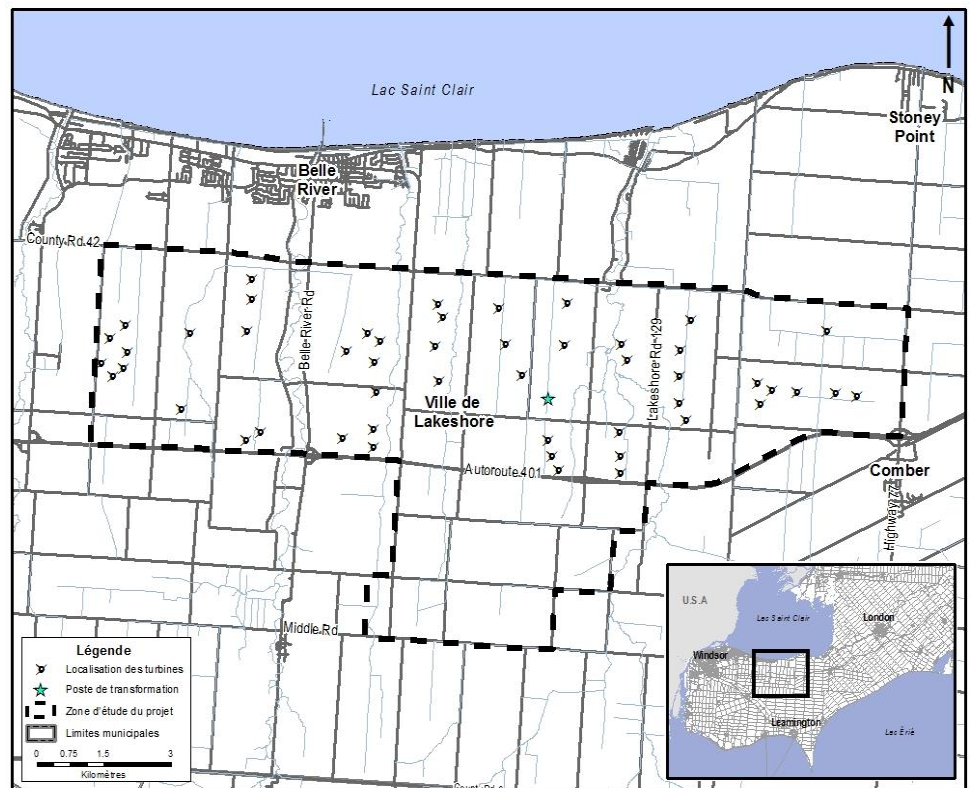
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SP Belle River Wind LP
2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

March 4, 2015

Chief Christopher Plain
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, Ontario N7T 7H5

Dear Chief Plain and Council:

Subject: Draft Site Plan and Noise Impact Assessment for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

As a renewable energy facility, the Project is subject to the provisions of the *Environmental Protection Act* (the "Act") Part V.0.1 and Ontario Regulation 359/09 (the "Regulation") and requires a REA prior to construction. If approved, the Project would have a total maximum nameplate capacity of up to 100 megawatts.

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A copy of the Draft Site Plan and Noise Impact Assessment is enclosed for your reference. If desired, please make these documents available within your community for review. Additional information about the Project, including an electronic copy of the Draft Site Plan Report and Noise Impact Assessment, will be available for review at www.belleriverwind.com by March 9, 2015.



Should you have any questions or concerns, please feel free to email info@belleriverwind.com.
You can also contact the project team using the information below:

Jody Law, Project Developer
Pattern Development
100 Simcoe Street
Toronto, ON M5H 3G2
Phone: (416) 263-8029

Brian Edwards, Project Developer
Samsung Renewable Energy
2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5667

We will continue to provide you with information and notification of key milestones as the Project continues to move forward.

Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: 
Name: **Lee Jeong Tack**
Title: **Director**

Per: 
Name: Colin Edwards
Title: Director

Enclosures: *Notice of Draft Site Plan for the Belle River Wind Project*
Draft Site Plan and Noise Impact Assessment for the Belle River Wind Project



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March 4, 2015

Chief Daniel Miskokomon
Bkejwanong First Nation
117 Tahgahoning Road, R.R. #3
Wallaceburg, Ontario N8A 4K9

Dear Chief Miskokomon and Council:

Subject: Draft Site Plan and Noise Impact Assessment for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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By its general partner, SP Belle River Wind GP Inc.

Per: 
Name: **Lee Jeong Tack**
Title: **Director**

Per: 
Name: Colin Edwards
Title: Director

Enclosures: *Notice of Draft Site Plan for the Belle River Wind Project*
Draft Site Plan and Noise Impact Assessment for the Belle River Wind Project



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F 416 979 8428
www.belleriverwind.ca

March 4, 2015

Chief Louise Hillier
Caldwell First Nation
P.O. Box 388
Leamington, Ontario N8H 3W3

Dear Chief Hillier and Council:

Subject: Draft Site Plan and Noise Impact Assessment for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: 
Name: **Lee Jeong Tack**
Title: **Director**

Per: 
Name: Colin Edwards
Title: Director

Enclosures: *Notice of Draft Site Plan for the Belle River Wind Project*
Draft Site Plan and Noise Impact Assessment for the Belle River Wind Project



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2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

March 4, 2015

Chief Sheri Doxtator
Oneida Nation of the Thames
2212 Elm Avenue
Southwold, Ontario N0L 2G0

Dear Chief Doxtator and Council:

Subject: Draft Site Plan and Noise Impact Assessment for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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Mississauga, ON L5N 0B9
Phone: (905) 501-5667

We will continue to provide you with information and notification of key milestones as the Project continues to move forward.

Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: 
Name: **Lee Jeong Tack**
Title: **Director**

Per: 
Name: Colin Edwards
Title: Director

Enclosures: *Notice of Draft Site Plan for the Belle River Wind Project*
Draft Site Plan and Noise Impact Assessment for the Belle River Wind Project



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T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

March 4, 2015

Chief Joe Miskokomon
Chippewas of the Thames First Nation
320 Chippewa Road, R.R. #1
Muncey, Ontario N0L 1Y0

Dear Chief Miskokomon and Council:

Subject: Draft Site Plan and Noise Impact Assessment for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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Per: 
Name: **Lee Jeong Tack**
Title: **Director**

Per: 
Name: Colin Edwards
Title: Director

Enclosures: *Notice of Draft Site Plan for the Belle River Wind Project*
Draft Site Plan and Noise Impact Assessment for the Belle River Wind Project

Notice of Draft REA Reports
and Second Public Meeting

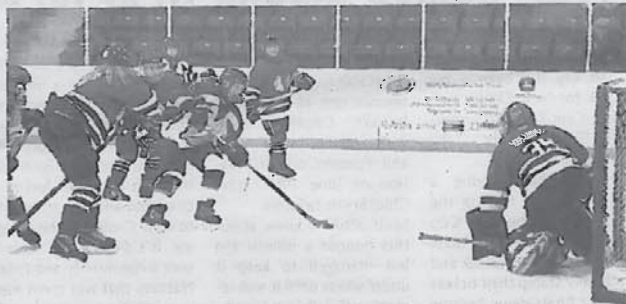
Pee Wee Reps down but not out in OMHA finals

By Neil Becker
Sports Writer

There's basically no more margin of error for the Six Nations Pee Wee Reps who are desperately looking for some much needed momentum in their OMHA finals series against Mariposa. Coming off an impressive semi finals win against the Belmont Rangers Six Nations have quickly found themselves facing an uphill battle after

dropping consecutive OMHA finals games by 3-0 and most recently 3-2 scores. In what is a best of five series or the first team to earn six points it's safe to conclude that the Pee Wee Reps who have had a strong playoff have to basically run the table in their next three games. Approximately 24 hours after opening their series with a 3-0 loss in Mariposa it was back to the

friendly confines of home as many enthusiastic Six Nations fans congregated to the GPA where they saw goaltender Caleb Martin set the tone with several early big saves. Shortly after weathering an early Mariposa offensive storm Six Nations who had an early golden opportunity from Ross Hill surrendered that crucial opening goal as they found themselves trailing heading to the second.



Six Nations Pee Wee Rep goalie Caleb Martin keeps his eyes glued to the puck during OMHA finals Game 2 action at the GPA against Mariposa. (Photo By Neil Becker)



NOTICE OF DRAFT REA REPORTS AND SECOND PUBLIC MEETING for the Belle River Wind Project

Project Name: Belle River Wind Project (the "Project")
Project Location: The Project is located in the Town of Lakeshore, Essex County, Ontario
Notice Dated at: Town of Lakeshore and Essex County this, the 18th of March, 2015

Applicant: The Project is being proposed by SP Belle River Wind, LP, by its general partner, SP Belle River Wind, GP Inc. ("Belle River Wind"). Belle River Wind is a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Development") and Samsung Renewable Energy, Inc. ("Samsung Renewable Energy").

Project Description: As a renewable energy facility, the Project is subject to the provisions of the *Environmental Protection Act* (the "Act") Part V.0.1 and Ontario Regulation 359/09, as amended (the "Regulation"), and requires a Renewable Energy Approval (REA) prior to construction. This notice is being distributed in accordance with Sections 15 and 16 of the Regulation prior to an application being submitted to the Ministry of the Environment and Climate Change (MOECC).

If approved, the Project would have a total maximum nameplate capacity of up to 100 megawatts (MW). As identified in the Act and Regulation, the Project is considered to be a Class 4 wind facility. This project is being proposed in accordance with the requirements of the Act and Regulation. The location of key Project components is shown in the map below. Additional information about the Project is available online at www.belleriverwind.com.

Notice of Draft REA Reports: The Draft Project Description Report was first made available August 20, 2014. Pursuant to Section 16 of the Regulation, the purpose of this Notice is to communicate that the draft copies of the reports and technical studies that will be submitted as part of the REA application (excluding the Consultation Report) are available for public review. Copies of the Noise Impact Assessment and Draft Site Plan Report for the Project were previously made available for review on March 9, 2015.

Documents for Public Review: In accordance with the Regulation, copies of the Draft REA Reports will be made available for public review starting on March 19, 2015 at the Town of Lakeshore Municipal Office (419 Notre Dame Street, Belle River), County of Essex Municipal Office (360 Fairview Avenue West, Essex) and Lakeshore Branch of the Essex County Library (447 Renaud Line Road, Belle River). The reports will also be made available for public review online at www.belleriverwind.com. The documents will be available for review in English.

Notice of Second Public Meeting: In accordance with the Regulation, a second Public Meeting has been planned to provide an opportunity for the public to review and provide comments on the studies and investigations that have been conducted for the Project. The purpose of this notice is to provide the public with notification 60 days in advance of the meeting. The meeting is scheduled for the following:

Date: May 20, 2015
Time: 5:00 p.m. to 8:00 p.m.

Location: Atlas Tube Centre, Renaud Room
447 Renaud Line Road, Belle River, ON N0R 1A0

Project Contact Information:

To learn more about the Project or to provide feedback, please contact:

Project Email:
info@belleriverwind.com

Jody Law, Project Developer
Pattern Development
100 Simcoe Street
Toronto, ON M5H 3G2
Phone: (416) 263-8029

Brian Edwards, Project Developer
Samsung Renewable Energy
2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5867

Marc Rose, Project Manager
AECOM
105 Commerce Valley Drive West
Markham, ON L3T 7W3
Phone: (905) 747-7793



HEY COACHES!

If you want us to cover your team in the Turtle Island News just submit your team schedules or scores to our sports department

Phone: 519-445-2222
Fax: 519-445-2222

or email: info@turtleislandnews.com

Team Game Sheets or Results

From any event are always welcome from past games.



Seniors Workshops

Workshops are geared toward seniors of any age and are free of charge. Lunch will be provided. Upcoming workshops include:

Computers-basic and intermediate
March 23, 2015 10am-12pm GREAT building

Computers-basic and intermediate
March 23, 2015 11am-12pm GREAT building

Painting
March 26, 2015 10am-12pm GREAT building

To register for workshops or for more information contact:
Grand River Employment and Training at
519-445-2222
or email: Nichole@greatsn.com



NOTICE OF DRAFT REA REPORTS AND SECOND PUBLIC MEETING for the Belle River Wind Project

Project Name: Belle River Wind Project (the "Project")

Project Location: The Project is located in the Town of Lakeshore, Essex County, Ontario

Notice Dated at: Town of Lakeshore and Essex County this, the 18th of March, 2015

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Location: Atlas Tube Centre, Renaud Room

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Project Contact Information:

To learn more about the Project or to provide feedback, please contact:

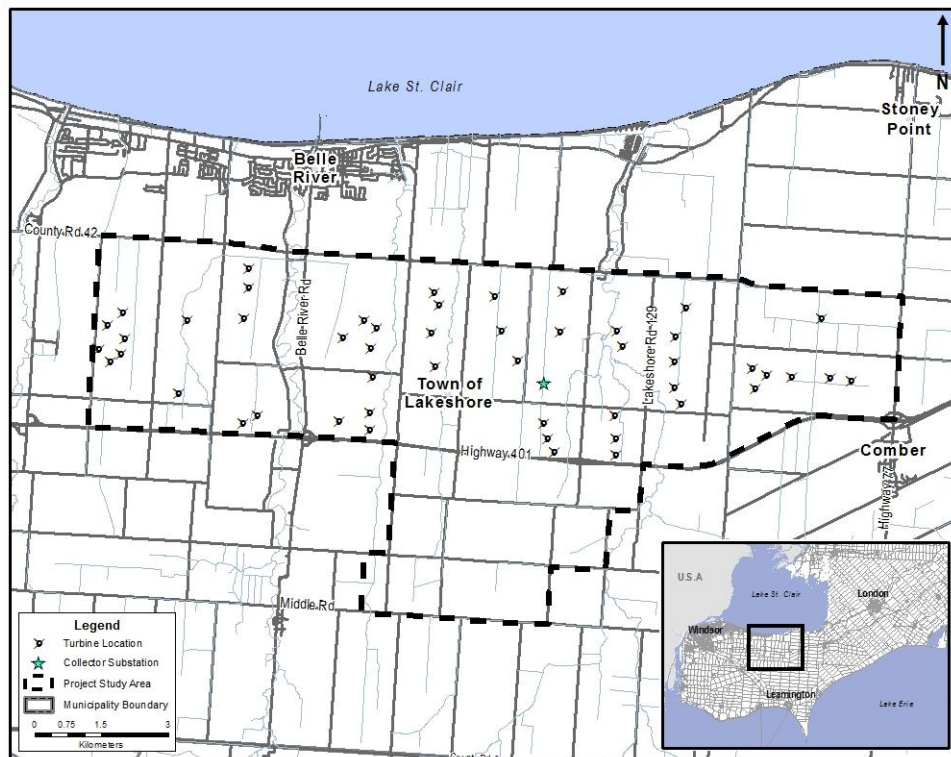
Project Email:

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Phone: (905) 501-5667

Marc Rose, Project Manager
AECOM
105 Commerce Valley Drive West
Markham, ON L3T 7W3
Phone: (905) 747-7793





AVIS DES RAPPORTS PRÉLIMINAIRES APER ET DE LA DEUXIÈME ASSEMBLÉE PUBLIQUE du projet Belle River Wind

Nom du projet : Projet Belle River Wind (le « Projet »)

Localisation : Ville de Lakeshore, Comté d'Essex, Ontario

Émissions de l'avis de projet : Ville de Lakeshore, Comté d'Essex, le 18 mars 2015

Promoteur : Le projet est proposé par SP Belle River Wind LP, au nom de son associée SP Belle River Wind GP Inc. («Belle River Wind»). Belle River Wind est une co-entreprise détenue par Pattern Renewable Holdings Canada, ULC («Pattern Development») et Samsung Renewable Energy, Inc. («Samsung Renewable Energy»).

Description du projet : Étant une installation d'énergie renouvelable, le Projet est soumis aux dispositions de la Partie V.0.1 de la *Loi sur la protection de l'environnement* (la «Loi») et du Règlement de l'Ontario 359/09 (le «Règlement»). Le projet nécessite une autorisation de projet d'énergie renouvelable (APER) avant la construction. Conformément Sections 15 et 16 du Règlement, cet avis est distribué avant la soumission de la demande d'autorisation au Ministère de l'Environnement et de l'Action en matière de changement climatique de l'Ontario (MOECC).

Conformément à la Loi et au Règlement, le Projet est considéré comme un parc éolien de classe 4. S'il est approuvé, le projet aura une puissance nominale maximale de 100 MW. Les principales composantes du projet sont illustrées au plan ci-dessous. Des informations supplémentaires sur le projet, incluant le rapport préliminaire de la description de Projet, sont disponibles en ligne au www.belleriverwind.com.

Avis de dépôt de rapports préliminaires APER : La version préliminaire du Rapport de Description de Projet a d'abord été rendue disponible le 20 août 2014. Conformément à la Section 16 du Règlement, le but de cet Avis est d'informer que des versions préliminaires des rapports et des études techniques qui seront soumises à l'appui de la demande APER (à l'exclusion du rapport de Consultation) sont disponibles pour examen public. Des copies du rapport d'impact sonore et du rapport préliminaire de plan de site du projet avaient préalablement été rendues publiques le 9 mars 2015.

Documents disponibles pour l'examen public : Conformément à la réglementation, des exemplaires des Rapports Préliminaires APER seront disponibles pour l'examen public à partir du 19 mars 2015 au bureau municipal de la Ville de Lakeshore (419 rue Notre-Dame, Belle River) et à la succursale Lakeshore du réseau de bibliothèques du Comté d'Essex (447 Renaud Line, Belle River). Les documents, disponibles en anglais, peuvent également être consultés en ligne au www.belleriverwind.com.

Avis de deuxième assemblée publique : conformément à la réglementation, une deuxième assemblée publique a été prévue afin de donner l'opportunité au public de revoir et commenter les études et les recherches qui ont été menées aux fins du Projet. Le but de cet avis est d'aviser le public 60 jours à l'avance de la tenue de cette assemblée. Cette assemblée est prévue est prévue comme suit :

Date : 20 mai 2015

Heure : 5 :00 p.m. à 8 : 00 p.m.

Lieu : Centre Atlas Tube, Salle Renaud,
447 Renaud Line Road, Belle River ON N0R 1A0

Contact et information sur le projet :

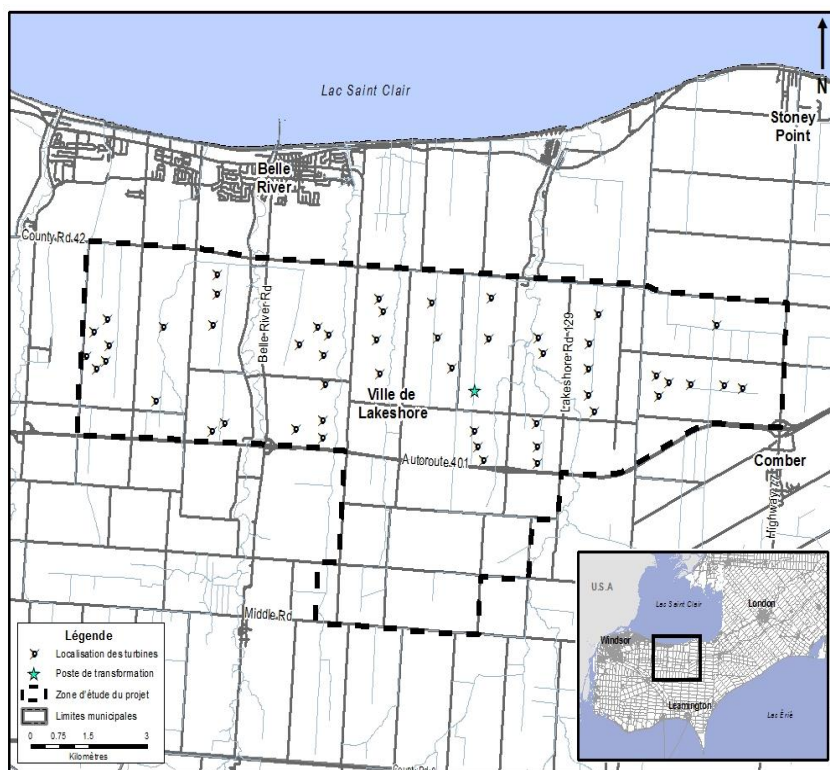
Pour en savoir davantage sur le Projet ou pour vos commentaires, veuillez contacter :

Courriel : info@belleriverwind.com

Jody Law, Promoteur du Projet
Pattern Development
100, Simcoe Street, Toronto, ON M5H 3G2
Tél : (416) 263-8029

Brian Edwards, Promoteur du Projet
Samsung Renewable Energy
2050, Derry Road West, Mississauga, ON L5N 0B9
Tél : (905) 501-5667

Marc Rose, Consultant / Chef de Projet
AECOM
105, Commerce Valley Drive West
Markham, ON L3T 7W3
Tél : (905) 747-7793





SP Belle River Wind LP
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Mississauga, Ontario L5N 0B9
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www.belleriverwind.ca

March 18, 2015

Chief Christopher Plain
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, Ontario
N7T 7H5

Dear Chief Plain and Council:

Subject: Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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The intent of this letter is to inform you that the Draft REA Reports have been issued for the Project and the second Public Meeting has been scheduled for May 20, 2015 from 5:00 p.m. to 8:00 p.m. at the Atlas Tube Centre, Renaud Room. The purpose of the second Public Meeting is to provide an opportunity for interested stakeholders to review and provide comments on the studies and investigations that have been conducted for the Project.

A copy of the Draft REA Reports, Summaries of REA Technical Reports for Aboriginal Communities and the Notice of the Draft REA Reports and second Public Meeting by Belle River Wind are enclosed for your reference. If desired, please make copies of these reports available within your community for review. Additional information about the Project, including electronic copies of the Draft REA Reports, will be available for review at www.belleriverwind.com by March 19, 2015.



Should you have any questions or concerns, please feel free to email info@belleriverwind.com.
You can also contact the Project team using the information below:

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Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: **Colin Edwards**

Title: **Director**

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director



*Enclosures: Summaries of REA Technical Reports for Aboriginal Communities
 Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project
 Draft REA Reports for the Belle River Wind Project including:*

REA Reports

- *Project Description Report*
- *Construction Report*
- *Design and Operations Report*
- *Decommissioning Report*
- *Wind Turbine Specification Report*
- *Water Body Report*
- *Water Body Assessment*

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*CC: Shelley Redmond, Band Clerk
 Sharilyn Johnston, Environmental Co-ordinator, Aamjiwnaang Environment Department
 Ed Gilbert, Project Manager, Giiwedini Noodin First Nation Energy Corporation
 Carole Delion, Business Development Officer, Chippewa Developments*



SP Belle River Wind LP
2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

March 18, 2015

Chief Christopher Plain
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, Ontario
N7T 7H5

Dear Chief Plain and Council:

Subject: Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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100 Simcoe Street
Toronto, ON M5H 3G2
Phone: (416) 263-8029

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Samsung Renewable Energy
2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5667

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Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: **Colin Edwards**

Title: **Director**

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director



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CC:

Shelley Redmond, Band Clerk

*Sharilyn Johnston, Environmental Co-ordinator, Aamjiwnaang Environment Department
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By its general partner, SP Belle River Wind GP Inc.

Per: _____

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Title: **Director**

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Name: _____

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Lee Jeong Tack
Director



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By its general partner, SP Belle River Wind GP Inc.

Per: _____

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Title: **Director**

Per: _____

Name: _____

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Lee Jeong Tack
Director



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Per: _____

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Title: **Director**

Per: _____

Name: _____

Title: _____

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Director



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March 18, 2015

Chief Daniel Miskokomon
Bkejwanong First Nation
117 Tahgahoning Road, R.R. 3
Wallaceburg, Ontario
N8A 4K9

Dear Chief Miskokomon and Council:

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Per: _____

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Title: **Director**

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Name: _____

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CC: Dean Jacobs, Walpole Island Heritage Centre



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March 18, 2015

Chief Louise Hillier
Caldwell First Nation
P.O. Box 388
Leamington, Ontario
N8H 3W3

Dear Chief Hillier and Council:

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March 18, 2015

Chief Sheri Doxtator
Oneida Nation of the Thames
2212 Elm Avenue
Southwold, Ontario
N0L 2G0

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*CC: Stacey Phillips, Chief Executive Officer
 Angela Mojak, Employment & Economic Development Manager*



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Southwold, Ontario
N0L 2G0

Dear Chief Doxtator and Council:

Subject: Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

As a renewable energy facility, the Project is subject to the provisions of the *Environmental Protection Act* (the "Act") Part V.0.1 and Ontario Regulation 359/09 (the "Regulation") and requires a REA prior to construction. If approved, the Project would have a total maximum nameplate capacity of up to 100 megawatts.

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A copy of the Draft REA Reports, Summaries of REA Technical Reports for Aboriginal Communities and the Notice of the Draft REA Reports and second Public Meeting by Belle River Wind are enclosed for your reference. If desired, please make copies of these reports available within your community for review. Additional information about the Project, including electronic copies of the Draft REA Reports, will be available for review at www.belleriverwind.com by March 19, 2015.



Should you have any questions or concerns, please feel free to email info@belleriverwind.com. You can also contact the Project team using the information below:

Jody Law, Project Developer
Pattern Development
100 Simcoe Street
Toronto, ON M5H 3G2
Phone: (416) 263-8029

Brian Edwards, Project Developer
Samsung Renewable Energy
2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5667

We will continue to provide you with information and notification of key milestones as the Project continues to move forward.

Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: **Colin Edwards**

Title: **Director**

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director



Enclosures: *Summaries of REA Technical Reports for Aboriginal Communities
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- *Natural Heritage Environmental Impact Study Report*

**Archaeological Assessments and
Cultural Heritage Assessment**

- *Revised Stage 1 Archaeological Assessment Report*
- *Stage 2 Archaeological Assessment Report*
- *Heritage Impact Assessment Report*

CC: **Stacey Phillips, Chief Executive Officer**
Angela Mojak, Employment & Economic Development Manager



SP Belle River Wind LP
2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

March 18, 2015

Chief Sheri Doxtator
Oneida Nation of the Thames
2212 Elm Avenue
Southwold, Ontario
N0L 2G0

Dear Chief Doxtator and Council:

Subject: Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: **Colin Edwards**

Title: **Director**

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director



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CC: *Stacey Phillips, Chief Executive Officer*
Angela Mojak, Employment & Economic Development Manager



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2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

March 18, 2015

Chief Joe Miskokmon
320 Chippewa Road, R.R. #1
Muncey, Ontario N0L 1Y0

Dear Chief Miskokmon and Council:

Subject: Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: **Colin Edwards**

Title: **Director**

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director



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CC: *Candace Doxtator, Council Secretary*
 Rolanda Elijah, Lands & Environment Director



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By its general partner, SP Belle River Wind GP Inc.

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Title: **Director**

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director



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Rolanda Elijah, Lands & Environment Director



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By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: **Colin Edwards**

Title: **Director**

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director



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CC: *Candace Doxtator, Council Secretary*
 Rolanda Elijah, Lands & Environment Director

Appendix E1.c Emails, Letters and Communication Records

Wong Ken, Michelle

From: AshbyBeatrice [<mailto:b.ashby@samsung.com>]
Sent: August-27-14 1:43 PM
To: elijah@cottfn.com
Cc: 'AshbyBeatrice'
Subject: Belle River Project - Archaeological Monitor Opportunity

Ms. Elijah,

Following my voicemail to you this afternoon, please kindly advise if your office/community would be interested in joining us in the current Archaeological Assessment (currently Stage 2) for the Belle River Project. Project website: <http://www.belleriverwind.com/>

On August 19 we have sent a letter to the Chief and introducing the Project. Our team is currently preparing studies of the environmental and cultural effects of the Project, and we will work with the appropriate federal and provincial agencies to meet the requirements for all permits or approvals. As part of our studies, there may be opportunities for some of your community members to further get involved, such as in the role of archaeology field monitors.

If your community is interested, please contact me to help identify some of your community resources that may be able to assist.

Kind Regards,

Beatrice Ashby, Senior Manager REA

T: 905.501.5663 M: 416.888.2190

b.ashby@samsung.com



SRE Confidential Communication

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think green before you print!

Wong Ken, Michelle

From: Wanda Maness [<mailto:wmaness@outlook.com>]
Sent: August-28-14 7:26 AM
To: AshbyBeatrice
Subject: RE: Belle River Project - Archaeological Monitor Opportunity

Hi Beatrice thank for email Tri-Tribal Monitoring Services is very interested in representing Aamjiwnaang First Nation. Please contact myself Wanda Maness with further details. Cell 2269325517 [e-mailwmaness@outlook.com](mailto:wmaness@outlook.com)

Sent from my Sony Xperia™ smartphone

AshbyBeatrice <b.ashby@samsung.com> wrote:

Thanks for the quick response.

From: Sharilyn Johnston [<mailto:SJohnston@aamjiwnaang.ca>]
Sent: August-27-14 1:05 PM
To: AshbyBeatrice
Cc: Wanda Maness (wmaness@outlook.com); wanda Maness (c0110938@mylambton.ca)
Subject: RE: Belle River Project - Archaeological Monitor Opportunity

Hi Beatrice,

We have a Monitoring company that acts as our agent. It is called Tri-Tribal Monitoring Services and the contact person is Wanda Maness. I have included her on this email. She will get in touch with you and work out the details.

Kind Regards

Sharilyn Johnston

From: AshbyBeatrice [<mailto:b.ashby@samsung.com>]
Sent: August-27-14 1:02 PM
To: Sharilyn Johnston
Cc: 'AshbyBeatrice'
Subject: Belle River Project - Archaeological Monitor Opportunity

Hello,

Following my voicemail to you this morning, please kindly advise if your office/community would be interested in joining us in the current Archaeological Assessment (currently Stage 2) for the Belle River Project.

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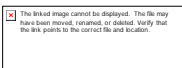
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Communication Record

Date September 4, 2014

Between	Colin Edwards	and	Chief Miskokomon
	SP Belle River Wind LP		Chippewas of the Thames First Nation

Telephone # 519-318-9503

Project # 60321891

Project Name Belle River Wind Project

Subject Phone call from Chief Miskokomon regarding the Belle River Project

PLEASE NOTE: If this communication record does not agree with your records of the meeting, or if there are any omissions, please advise. Otherwise it will be assumed that the contents of this record are correct.

Comments

Chief Miskokomon called Colin Edwards to discuss the possibility of meeting with Belle River Wind to discuss the project. The Chief also indicated that the Chippewas of the Thames First Nation would like to receive project information and updates as it progresses.

Wong Ken, Michelle

From: AshbyBeatrice [<mailto:b.ashby@samsung.com>]
Sent: September-09-14 3:33 PM
To: gcpeters@xplornet.ca
Cc: 'AshbyBeatrice'
Subject: Belle River Project - AA2 monitors

Dear Mr. Peters,

Please kindly advise if your office/community would be interested in joining us in the current Archaeological Assessment (currently Stage 2) for the Belle River Project.

On August 19 we have sent a letter to the Chief and Council introducing the Project. Our team is currently preparing studies of the environmental and cultural effects of the Project, and we will work with the appropriate federal and provincial agencies to meet the requirements for all permits or approvals. As part of our studies, there may be opportunities for some of your community members to further get involved, such as in the role of archaeology field monitors.

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think green before you print!

Wong Ken, Michelle

From: AshbyBeatrice [<mailto:b.ashby@samsung.com>]
Sent: September-09-14 3:34 PM
To: Chief.thomas@munsee-delaware.org
Cc: 'AshbyBeatrice'
Subject: Belle River Project - AA2 monitors

Dear Chief,

Please kindly advise if your office/community would be interested in joining us in the current Archaeological Assessment (currently Stage 2) for the Belle River Project.

On August 19 we have sent a letter to you introducing the Project. Our team is currently preparing studies of the environmental and cultural effects of the Project, and we will work with the appropriate federal and provincial agencies to meet the requirements for all permits or approvals. As part of our studies, there may be opportunities for some of your community members to further get involved, such as in the role of archaeology field monitors.

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think green before you print!

Wong Ken, Michelle

From: AshbyBeatrice [<mailto:b.ashby@samsung.com>]
Sent: September-09-14 3:36 PM
To: Sheri.Doxtator@oneida.on.ca
Cc: 'AshbyBeatrice'
Subject: Belle River Project - AA2 monitors

Dear Ms. Doxtator,

Please kindly advise if your office/community would be interested in joining us in the Archaeological Assessment for the Belle River Project.

On August 19 we have sent a letter to the Chief and Council introducing the Project. Our team is currently preparing studies of the environmental and cultural effects of the Project, and we will work with the appropriate federal and provincial agencies to meet the requirements for all permits or approvals. As part of our studies, there may be opportunities for some of your community members to further get involved, such as in the role of archaeology field monitors.

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Wong Ken, Michelle

Attachments: Belle_River_Wind_Project-Project_Description_Report_60321891.pdf0.pdf; Figure 1
Project Study Area (07.11.2014).pdf

From: AshbyBeatrice [<mailto:b.ashby@samsung.com>]
Sent: September-15-14 2:31 PM
To: 'Louise Hillier'; robinv@caldwell-et.com
Cc: Mark.VanderWoerd@aecom.com; b.ashby@samsung.com
Subject: RE: Belle River Project - Archaeological Monitor Opportunity

Dear Chief Hillier,
I have asked our consultants (AECOM, copied on this e-mail) to ensure you receive a hard copy of the PDR. Soft copy attached.
Kind Regards,
Beatrice

From: Louise Hillier [<mailto:cfnchief@live.com>]
Sent: September-15-14 2:07 PM
To: AshbyBeatrice; robinv@caldwell-et.com
Subject: RE: Belle River Project - Archaeological Monitor Opportunity

Sorry, I have still not received any information on this project as requested in my previous email.

Chief Hillier

From: cfnchief@live.com
To: b.ashby@samsung.com; robinv@caldwell-et.com
Subject: RE: Belle River Project - Archaeological Monitor Opportunity
Date: Wed, 27 Aug 2014 17:09:24 -0400

Sorry Ashby, I do not recall having received your communication about this project. Of course, Caldwell is interested in having archeological monitors involved.

Thank you for the email, at least this way I know something is going on. Caldwell may want to meet with you once we receive the project info.

Thanks Ashby

Chief Hillier

From: b.ashby@samsung.com
To: robinv@caldwell-et.com
CC: cfnchief@live.com; b.ashby@samsung.com
Subject: Belle River Project - Archaeological Monitor Opportunity
Date: Wed, 27 Aug 2014 13:33:01 -0400

Hi Robin,

As discussed some more information on our project.

Project website: <http://www.belleriverwind.com/>

Attached Project Description Report which includes a map .

On August 19 we have sent a letter to the Chief and introducing the Project. Our team is currently preparing studies of the environmental and cultural effects of the Project, and we will work with the appropriate federal and provincial agencies to meet the requirements for all permits or approvals. As part of our studies, there may be opportunities for some of your community members to further get involved, such as in the role of archaeology field monitors.

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b.ashby@samsung.com



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This message and any attachments are solely for the use of intended recipients. They may contain privileged and/or confidential information, or other information protected from disclosure. If you are not an intended recipient, you are hereby notified that you received this mail in error, and that any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this email in error, please contact the sender and delete the message and any attachment from your system. Thank you for your cooperation



think green before you print!

Wong Ken, Michelle

-----Original Message-----

From: AshbyBeatrice [<mailto:b.ashby@samsung.com>]
Sent: September-16-14 10:21 AM
To: 'Jared Macbeth'
Cc: 'AshbyBeatrice'
Subject: RE: Belle River Project - Archaeological Monitor Opportunity

Hi there,

We are still discussing internally and due to time constraints it is likely that we will be looking at future stages of AA work on this project. We will certainly contact you and appreciate your keen interest.

Please feel free to call if you like to discuss: 905.501.5663 Cheers,

- Beatrice

-----Original Message-----

From: Jared Macbeth [<mailto:jared.macbeth@wifn.org>]
Sent: September-16-14 10:11 AM
To: b.ashby@samsung.com
Subject: FW: Belle River Project - Archaeological Monitor Opportunity

Hi Ashby,

Do you have any updates on the stage II?

Thanks,
Jared

From: Jared Macbeth
Sent: August-27-14 4:41 PM
To: b.ashby@samsung.com
Subject: FW: Belle River Project - Archaeological Monitor Opportunity

Hi Ashby,

We would be interested in having some of our Archaeological field workers participate in this project. Could you send me some more details as our HR will have to draw up contracts before we can send people down? I am going to be away for the next week, but I hope to be able to set this up remotely.

It will be best to call my cell at 519-401-0651 if you would like to chat.

Thanks,
Jared

Jared Macbeth
Project Review Coordinator
External Projects Program
Walpole Island First Nation

2185 River Road North R. R. 3
Wallaceburg, ON N8A 4K9
(519) 627-1475 x 108
jared.macbeth@wifn.org<<mailto:dean.jacobs@wifn.org>>

From: Dean Jacobs
Sent: August-27-14 4:12 PM
To: Jared Macbeth
Subject: FW: Belle River Project - Archaeological Monitor Opportunity

From: AshbyBeatrice [<mailto:b.ashby@samsung.com>]
Sent: Wednesday, August 27, 2014 1:18 PM
To: Dean Jacobs
Cc: 'AshbyBeatrice'
Subject: Belle River Project - Archaeological Monitor Opportunity

Hi Dean,

Following my voicemail to you this afternoon, please kindly advise if your office/community would be interested in joining us in the current Archaeological Assessment (currently Stage 2) for the Belle River Project.

On August 19 we have sent a letter to the Chief and introducing the Project. Our team is currently preparing studies of the environmental and cultural effects of the Project, and we will work with the appropriate federal and provincial agencies to meet the requirements for all permits or approvals. As part of our studies, there may be opportunities for some of your community members to further get involved, such as in the role of archaeology field monitors.

If your community is interested, please contact me to help identify some of your community resources that may be able to assist.

Kind Regards,

Beatrice Ashby, Senior Manager REA
T: 905.501.5663 M: 416.888.2190
b.ashby@samsung.com<<mailto:chara.chance@patternenergy.com>>

[<cid:image001.gif@01CFC1F9.537A1180>]

SRE Confidential Communication

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[<cid:image002.jpg@01CFC1F9.537A1180>]think green before you print!

Wong Ken, Michelle

From: AshbyBeatrice [<mailto:b.ashby@samsung.com>]

Sent: October-15-14 4:16 PM

To: 'Van der Woerd, Mark'

Cc: 'Grieve, Becky'; 'Rose, Marc'; 'BrianEdwards'; 'Jody Law'; 'AshbyBeatrice'; hi.byun@samsung.com

Subject: Amjiwnaang FN

Hi Mark,

On October 14, 2014 I received a voicemail from Bonnie Plain (1.519.336.8410) - Environmental Department at the Amjiwnaang FN (they are on the Director's List) inquiring about Stage II AA work. I called Bonnie back today and I advised that we are close to completing AA II assessments due to timing of the year (we needed to move quick before the snow comes) and that we are more than happy to share the findings and results with them.

Please ensure this is entered to our Aboriginal communications log.

Thx

B

Beatrice Ashby, Senior REA Manager

T: 905.501.5663 M: 416.888.2190

b.ashby@samsung.com

NOTE: We Have Moved!

2050 Derry Road West 2nd floor, Mississauga ON L5N 0B9



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think green before you print!

Wong Ken, Michelle

From: Jody Law [<mailto:jody.law@patternenergy.com>]

Sent: Tuesday, October 21, 2014 11:15 AM

To: Rose, Marc; Van der Woerd, Mark; Colin Edwards; Kim Sachtleben; Alex Dejanovic; Pat Murray; Beth O'Brien; zBrian Edwards; zBea Ashby; ariel.bautista@samsungrenewableenergy.ca; 변효인 (hi.byun@samsung.com); zTim Smitheman
Subject: Belle River + Walpole Island First Nation

Hi All,

I just received a call from Dean Jacobs, who is a Director at the Walpole Island First Nation Heritage Center. As he mentioned, BR is in the heart of their traditional territory, so they are very interested in our project. As they couldn't make it to the open house, they'd like us to visit them with a presentation on the project (who we are, activities, status, timelines etc).

We need to decide who will make this visit and when. His proposed dates are:

Oct 28 – Before 3pm

Oct 31 – Any Time

Nov 3 – Any Time

Nov 4 – Any Time

Nov 7 – Any Time

Thanks,

Jody Law

Cell: 647-618-3861

Jody.Law@patternenergy.com

www.patternenergy.com



This email message may contain information that is confidential and proprietary. If you are not the intended recipient, please contact the sender and destroy the original and any copies of the original message. We take measures to protect the content of our communications. However, we cannot guarantee that email messages will not be intercepted by third parties or that email messages will be free of errors or viruses.



SP Belle River Wind LP
2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

May 6, 2015

Chief Louise Hillier
P.O. Box 388
Leamington, Ontario
N8H 3W3

Dear Chief Hillier:

Subject: Response to Questions Raised at the February 23, 2015 Meeting between Belle River Wind and Caldwell First Nation

Thank you for meeting with Belle River Wind on February 23, 2015. We appreciate the involvement and interest expressed by Caldwell First Nation.

At the meeting, Belle River Wind committed to responding to several questions that you had posed. The following table includes the questions and our responses.

Question	Response
What is the proposed depth of transmission line poles for the Belle River Wind Project?	The approximate depth of the transmission poles will be 10 metres, regardless of the material used for the poles. This depth will ensure that the poles are secure and can withstand strong winds and other adverse weather.
Could Belle River Wind please confirm if any of the specialists completing the field work for the Natural Heritage Assessment Report and Water Assessment Report are members of an Aboriginal community in Ontario?	The field work for the Natural Heritage Assessment Report and Water Assessment Report was completed by Natural Resource Solution Inc. (NRSI). None of the NRSI staff that completed the field work are members of an Aboriginal community.
Could Belle River Wind please confirm how many employees hired to work in the Samsung manufacturing plants in Ontario are members of an Aboriginal community?	As part of the Commercial Agreement that Samsung signed with the Government of Ontario in January, 2010 and updated in June 2013, Samsung opened four new manufacturing facilities to produce renewable energy components for Ontario and for export to markets around the world.



Question	Response
	<p>Samsung is committed to supporting diversity within the workplace. While Samsung employs individuals from diverse backgrounds, there are no available statistics to report on the number of employees at those facilities that are members of Aboriginal communities in Ontario.</p> <p>We would be pleased to let your community know of any future employment opportunities at those facilities and at our proposed wind projects.</p>

We are committed to maintaining open lines of communication with you. More information about the Project, including the Draft REA documents, is available on the Project website: www.belleriverwind.com.

Should you have any further questions or concerns that you would like to discuss with members of the Project team, please feel free to email info@belleriverwind.com. You can also contact the Project team using the information below:

Jody Law, Project Developer
Pattern Development
100 Simcoe Street
Toronto, ON M5H 3G2
Phone: (416) 263-8029

Brian Edwards, Project Developer
Samsung Renewable Energy
2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5667

We will continue to provide you with information and notification of key milestones as the Project continues to move forward.

Sincerely,

SP Belle River Wind LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: **Lee Jeong Tack**
Title: **Director**

Per: _____

Name: **Colin Edwards**
Title: **Director**



SP Belle River Wind LP
2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

May 7, 2015

Chief Christopher Plain
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, Ontario N7T 7H5

Dear Chief Plain:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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2050 Derry Road West
Mississauga, ON L5N 0B9
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We will continue to provide you with information and notification of key milestones as the Project continues to move forward.

Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name:

Title:


Lee Jeong Tack
Director

Per: _____

Name:

Title:


Colin Edwards
Director



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2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

May 7, 2015

Ms. Shelley Redmond
Band Clerk
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, Ontario N7T 7H5

Dear Ms. Redmond:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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Pattern Development
100 Simcoe Street
Toronto, ON M5H 3G2
Phone: (416) 263-8029

Brian Edwards, Project Developer
Samsung Renewable Energy
2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5667

We will continue to provide you with information and notification of key milestones as the Project continues to move forward.

Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director

Per: _____

Name: _____

Title: _____

Colin Edwards
Director



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2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

May 7, 2015

Ms. Sharilyn Johnston
Environmental Co-ordinator
Aamjiwnaang Environment Department
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, Ontario N7T 7H5

Dear Ms. Johnston:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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Pattern Development
100 Simcoe Street
Toronto, ON M5H 3G2
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Brian Edwards, Project Developer
Samsung Renewable Energy
2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5667

We will continue to provide you with information and notification of key milestones as the Project continues to move forward.

Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director

Per: _____

Name: _____

Title: _____

Colin Edwards
Director



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2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

May 7, 2015

Mr. Ed Gilbert
Project Manager
Giiwedín Noodin First Nation Energy Corporation
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, Ontario N7T 7H5

Dear Mr. Gilbert:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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Brian Edwards, Project Developer
Samsung Renewable Energy
2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5667

We will continue to provide you with information and notification of key milestones as the Project continues to move forward.

Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director

Per: _____

Name: _____

Title: _____

Colin Edwards
Director



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Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

May 7, 2015

Ms. Carole Delion
Business Development Officer
Chippewa Developments
Aamjiwnaang First Nation
1000 DeGurse Drive, Unit #4
Sarnia, Ontario N7T 7H5

Dear Ms. Delion:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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Toronto, ON M5H 3G2
Phone: (416) 263-8029

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2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5667

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Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director

Per: _____

Name: _____

Title: _____

Colin Edwards
Director



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2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

May 7, 2015

Chief Daniel Miskokomon
Bkejwanong First Nation
117 Tahgahoning Road, R.R. #3
Wallaceburg, Ontario N8A 4K9

Dear Chief Miskokomon:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

SP Belle River Wind, LP ("Belle River Wind"), a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC ("Pattern Canada") and Samsung Renewable Energy Inc. ("Samsung Renewable Energy"), is planning to engage in a renewable energy project for which the issuance of a Renewable Energy Approval (REA) is required. The wind project is proposed to be located in the Town of Lakeshore in the County of Essex, Ontario.

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2050 Derry Road West
Mississauga, ON L5N 0B9
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Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director

Per: _____

Name: _____

Title: _____

Colin Edwards
Director



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T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

May 7, 2015

Director Dean Jacobs
Walpole Island Heritage Centre
Bkejwanong First Nation
2185 River Rd
Wallaceburg, Ontario N8A 4K9

Dear Director Jacobs:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

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SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director

Per: _____

Name: _____

Title: _____

Colin Edwards
Director



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May 7, 2015

Chief Louise Hillier
Caldwell First Nation
P.O. Box 388
Leamington, Ontario N8H 3W3

Dear Chief Hillier:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

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Should you have any questions or concerns, please feel free to email info@belleriverwind.com.
You can also contact the Project team using the information below:

Jody Law, Project Developer
Pattern Development
100 Simcoe Street
Toronto, ON M5H 3G2
Phone: (416) 263-8029

Brian Edwards, Project Developer
Samsung Renewable Energy
2050 Derry Road West
Mississauga, ON L5N 0B9
Phone: (905) 501-5667

We will continue to provide you with information and notification of key milestones as the Project continues to move forward.

Sincerely,

SP Belle River Wind, LP

By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director

Per: _____

Name: _____

Title: _____

Colin Edwards
Director



SP Belle River Wind LP
2050 Derry Road West, 2nd Floor
Mississauga, Ontario L5N 0B9
T 855 780 3859
F 416 979 8428
www.belleriverwind.ca

May 7, 2015

Chief Sheri Doxtator
Oneida Nation of the Thames
2212 Elm Avenue
Southwold, Ontario N0L 2G0

Dear Chief Doxtator:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

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May 7, 2015

Ms. Stacey Phillips
Chief Executive Officer
Oneida Nation of the Thames
2212 Elm Avenue
Southwold, Ontario N0L 2G0

Dear Ms. Phillips:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

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May 7, 2015

Ms. Angela Mojak
Employment & Economic Development Manager
Oneida Nation of the Thames
Customer Care Center
2212 Elm Avenue
Southwold, Ontario N0L 2G0

Dear Ms. Mojak:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

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May 7, 2015

Chief Joe Miskokomon
Chippewas of the Thames First Nation
320 Chippewa Road, R.R. #1
Muncey, Ontario N0L 1Y0

Dear Chief Miskokomon:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

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May 7, 2015

Ms. Candace Doxtator
Council Secretary
Chippewas of the Thames First Nation
320 Chippewa Road, R.R. #1
Muncey, Ontario N0L 1Y0

Dear Ms. Doxtator:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

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May 7, 2015

Ms. Rolanda Elijah
Lands & Environment Director
Chippewas of the Thames First Nation
320 Chippewa Road, R.R. #1
Muncey, Ontario N0L 1Y0

Dear Ms. Elijah:

Subject: Follow-up to Notice of Draft REA Reports and Second Public Meeting for the Belle River Wind Project

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By its general partner, SP Belle River Wind GP Inc.

Per: _____

Name: _____

Title: _____

Lee Jeong Tack
Director

Per: _____

Name: _____

Title: _____

Colin Edwards
Director

Appendix E2. First Nation and Aboriginal Communities Meetings

Minutes of Meeting

Date of Meeting	November 18, 2014	Start Time	11:00 am	Project Number	60321891
Project Name	Belle River Wind Farm				
Location	Walpole Island First Nation Heritage Centre				
Regarding	Description and Updates of Project				
Attendees	AECOM Marc Rose Patricia Stirbys		Walpole Island First Nation Dean Jacobs Jarod Macbeth Samsung Beatrice Ashby Pattern Development Jody Law Pat Murray		
Distribution	Attendees Brian Edwards (Samsung)				
Minutes Prepared By	Patricia Stirbys				

PLEASE NOTE: If this report does not agree with your records of the meeting, or if there are any omissions, please advise, otherwise we will assume the contents to be correct.

	Action
1) General	
a) The meeting took place from 11:00 am to 1:30 pm.	INFO
2) Project Background	
a) 100MW partnership between Samsung and Pattern Energy with 55 to 60 turbines currently proposed and 35 to 40 likely once turbine design/size selected.	INFO
b) Public meeting held in September 2014 with study area covering most of Town of Lakeshore. Study area has now been refined to area as shown in sketch AECOM discussed in meeting.	INFO
c) Provincial permitting expected to take approximately 1 year. Construction expected to start in spring of 2016.	INFO


	Action
<p>3) Potential Partnership</p> <p>a) WIFN noted that Samsung had a partnership with Six Nations with respect to projects in the Haldimand Tract, and asked about the potential for an opportunity for a partnership with Walpole Island.</p> <p>b) WIFN also noted that the Aboriginal Adders in the Samsung Agreement are similar to the OPA program which could be beneficial to proponents.</p> <p>c) WIFN asked whether data collected from met towers that were installed for a potential wind farm project on St. Anne Island would be useful to the project. Pattern indicated that met tower data should be collected from within the project study area.</p> <p>d) Samsung and Pattern to discuss any partnership potential with senior management.</p>	<p>INFO</p> <p>Samsung and Pattern</p>
<p>4) Archaeological Monitors for Remaining Stage 2 Assessments</p> <p>a) WIFN asked about the opportunity for the project to employ an Archaeological Monitor from the community on the final stages of the Stage 2 Assessment.</p> <p>b) Samsung and Pattern to contact Golder archaeological lead, Brad Drouin, to determine the opportunity for an Archaeological Monitor to join in the Stage 2 assessment work.</p>	<p>INFO</p> <p>Samsung and Pattern</p>
<p>5) Providing Mapping Showing Stage 2 Archaeology Location and Finds</p> <p>a) WIFN asked about any archaeological finds in the project area and whether a map was available for them to review.</p> <p>b) Proponent provided the following response from the Golder archaeologist Brad Drouin with respect to the Pre-contact Aboriginal sites found to date on Belle River:</p> <ul style="list-style-type: none"> The sites in general are quite small and/or are isolated finds. There have been seven projectile points recovered which date from the Early Archaic (10,000 – 8,000 years B.P.) to the Late Woodland (1,100 – 700 years B.P.). This represents a fairly long time depth to the study area. <p><u>Location 1</u>....represents a small and ephemeral camp site, evidenced by the presence of a fire pit. This site was located on a raised sandy terrace, likely an old shore line to Lake St. Claire.</p> <p><u>Location 17</u>..projectile points made from a material commonly found in the Kawartha's (Balsam Lake Chert).</p> <p><u>Location 3</u>....wedge made from material that originates from Ohio (Upper Mercer Chert)</p> <p><u>Location 16</u>..another projectile point was made from Kettle Point Chert which originates from south shore of Lake Huron.</p> <ul style="list-style-type: none"> The range in materials is indicative of either long distance trade between groups and/or groups that were highly mobile. <p>c) Samsung and Pattern will check with Golder about what mapping is available and what information can be released publicly.</p>	<p>INFO</p> <p>Samsung and Pattern</p>

	Action
6) Integration of Archaeological Finds into the County's Archaeological Master Plan a) WIFN stated that the island has unique plants and is a hub of ecological diversity. b) WIFN also asked whether archaeological sites with items of significance could be used as part of an Essex-Kent Municipal Master Plan or Master Archaeological Plan. c) Samsung and Pattern to determine whether this archaeological data can be shared publicly.	INFO Samsung and Pattern
7) Request to Review Natural Heritage Reports a) WIFN asked whether they can review all natural heritage reports, starting with the Records Review and Site Investigations b) WIFN noted that the Heritage Centre is undertaking restoration projects within the community, and offered that they could be used as potential compensation for any impacts associated with the Belle River project c) Samsung and Pattern to determine whether they can release any of the natural heritage reports for review by WIFN prior to public document release.	INFO Samsung and Pattern
8) Health Effects a) WIFN noted that they are working on a health proposal to determine the effects of stress from wind facilities, in response to Kettle and Stoney Point's objection to all wind projects; the proposal would consider effects on people and dogs by examining cortisol levels	INFO



Belle River Wind

Walpole Island First Nation

November 18, 2014



Information Sharing, Discussion and Feedback





Belle River Wind

Why We Are Here

Good planning involves your First Nation community.

The purpose of this meeting is to:

- Introduce the Belle River Wind Project and to provide an overview of the Renewable Energy Approval (REA) process
- Provide an opportunity to meet members of the Project Team and have your questions answered about the Project
- Obtain your community input for consideration in the planning and design of the Project





Belle River Wind

Who is Belle River Wind?

- The Belle River Wind Project is being proposed by SP Belle River Wind LP (Belle River Wind), a partnership of Samsung Renewable Energy (Samsung) and Pattern Energy Group LP (Pattern Development)
- The Belle River Wind Project is anticipated to have nameplate capacity of up to 100 megawatts (MW) and is expected to host up to 65 turbines

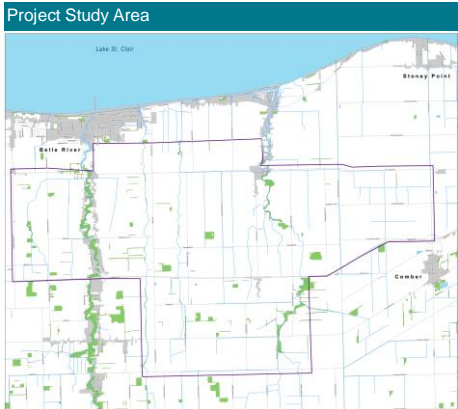
Samsung, together with some of the world's leading renewable energy companies, is making an unprecedented \$5-billion private-sector investment in Ontario to create the largest cluster of wind and solar power anywhere on the planet. Thanks to Samsung's Green Energy Investment Agreement with the Government of Ontario, we are creating 9,000 jobs while producing 1,369 MW of clean energy.

Pattern Development is a leader in developing renewable energy and transmission assets. The Pattern Development team has placed into operation more than 3,000 MW of wind power projects. A strong commitment to promoting environmental stewardship drives our dedication in working closely with communities to create premier renewable energy projects. Pattern Development operates and manages wind power projects through its affiliated public entity, Pattern Energy Group Inc. (Pattern Energy).






Belle River Wind

Project Study Area





Belle River Wind

Project Design




- Belle River Wind is in the planning and early design stages of the Project and a Draft Project Description Report has been prepared and provided to your community
- The Project is proposed to include the installation of up to 65 wind turbines that will produce up to 100 MW of energy. The number and type(s) of turbines have not yet been confirmed and will depend on a number of factors, including: wind resource, siting restrictions, socio-economic or natural environment constraints, capacity of the electrical grid and interest shown by local landowners
- The major components of the Project include:
 - Wind turbine foundations and generators
 - Microwave tower
 - Meteorological towers
 - Pad mounted step-up transformers
 - Access roads
 - Temporary staging areas
 - Collection system
 - Transmission line
 - Collector substation
 - Operations building





Belle River Wind

Proposed Transmission Line

- To connect the Belle River Wind Project to the provincial energy grid, a 230 kilovolt (kV) electrical transmission line may be built from the transformer substation to a connection point on the Hydro One network
- The transmission line may be located within the Project Study Area (see map) on private property and/or within existing municipal road right-of-ways and potentially within Traditional Territory.
- There are several design options being considered for the transmission line, including burying the line or mounting it on new hydro poles
- If the transmission line is mounted on hydro poles, the poles could be made of wood, concrete or steel
- The location of the transmission line is presently under investigation and the final route will be determined after further studies are completed and your community comments are considered





Belle River Wind

Wind Turbine Setback Requirements

Under the Renewable Energy Approval (REA) process, the Ministry of the Environment and Climate Change has established required setbacks distances for all renewable energy facilities from receptors

If Project related infrastructure (turbines, access roads, collector system etc.) is located within the setback distances, additional analysis (i.e., Environmental Impact Study) will be provided in the REA application and summarized in the final Project Description Report

What is a Receptor?

Existing buildings (e.g. homes) or vacant lots that are or could potentially be used for overnight accommodation or as an educational facility, health care facility, day nursery or place of worship

SAMSUNG

Pattern Development

Belle River Wind

Renewable Energy Approval (REA) Process

The REA is issued under Ontario Regulation 359/09 (Renewable Energy Approvals under Part V.0.1 of the Act) under the *Environmental Protection Act*

The REA application will outline how Belle River Wind proposes to design, build, operate and decommission the Project

The Project is considered to be a Class 4 wind facility which means it has a nameplate capacity of 50 kW or greater and is not in direct contact with surface water, other than a wetland

The following reports will be prepared and made available for public review as part of the REA process:

- Project Description Report
- Construction Plan Report
- Design and Operations Report
- Decommissioning Plan Report
- Archaeological Assessment Reports
- Heritage Assessment Report
- Natural Heritage Assessment Reports
- Water Body Assessment Reports
- Noise Assessment Report
- Wind Turbine Specifications Report
- Consultation Report

Additional environmental approval and permitting requirements from agencies, such as the Ministry of Natural Resources and Forestry, Ministry of Tourism, Culture and Sport, and the Essex Region Conservation Authority, will also be addressed as part of and subsequent to the Belle River Wind Project REA application

Municipal permits and plans (e.g., Building Permit, Entrance Permit) will also be required from the Town of Lakeshore and County of Essex prior to construction

SAMSUNG

Pattern Development

Belle River Wind

Public Consultation Process

Notice of Proposal & Draft Project Description Report Published

Public Meeting

Aboriginal and Landowner Meetings

Municipal Meetings

We are here

Notice of Final Public Meeting, Published & Draft Reports Released for Public Review

Final Public Meeting - Spring 2015

30 Day Comment Period

Mandatory Consultation Activity

Renewable Energy Approval Process

Conduct Preliminary Desktop Analysis

Undertake Detailed Environmental and Technical Studies - Summer 2014

Design Draft Project Layout

Conduct Environmental Effects Analysis & Prepare Draft REA Submission Report - Fall/Winter 2014

Project Layout Finalized

REA Submission Report Finalized

Submit REA Application to MOEC - Spring 2015

Notice of Filing Posted on Environmental Registry

MOEC Review of Proposal - Potentially 6 Months

REA Decision

SAMSUNG

Pattern Development

Belle River Wind

Natural Heritage

The majority of the Project Study Area is dominated by annual row crops and has limited natural habitats such as occasional woodlands, wetlands and meadows

During field monitoring, biologists will examine all habitat within a minimum of 120 metres of the proposed Project to identify: Woodlands - Wetlands - Significant Wildlife Habitat

Wildlife habitat assessments will be conducted in 2014 and 2015 to determine the extent of potentially significant wildlife habitats within the Project Study Area

Site-specific wildlife surveys will be conducted prior to Project development to assess the temporal and spatial use of the Project Study Area by individual species and verify any potential effects that the Project may have on these species and their habitat

An active bald eagle nest has been identified within a woodlot at the north end of County Road 31, near Lake St. Clair. The default habitat zone around an active bald eagle nest is 800m from project infrastructure; however, project infrastructure is currently proposed to be located approximately 2kms from the nest.

SAMSUNG

Pattern Development

Belle River Wind

Water Bodies

The water resources within the Project Study Area are predominantly agricultural drains. Some streams and other water bodies are also present and may provide suitable habitat for fish and mussel species

A preliminary study identified six fish and two mussel species that were previously documented within or near the Project Study Area

Four fish species of conservation concern (SCC) were identified as potentially being present within the study area, including ghost shiner, grass pickerel, longear sunfish and spotted sucker

As part of the field work, all water features within a minimum of 120 metres of the Project will be examined by aquatic biologists

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Cultural Heritage & Archaeology

Archaeological and Cultural Heritage assessments have been conducted to evaluate the potential for archaeological and cultural resources in the Project Study Area

Stage 1 and Stage 2 Archaeological Assessments included an initial desktop review and site assessments by archaeologists to identify if artifacts were present within the Project Study Area

There are 14 locations within the project location where artifacts have been found, of which all are pre-contact aboriginal. 5 of those locations are recommended for Stage 3 assessment

Stage 3 assessments will be undertaken to identify mitigation measures relating to the archaeological or cultural heritage resources which were identified. Aboriginal archaeological monitors will be used in any Stage 3 or 4 Assessments

Example of artifact found during archaeological field work

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2

Belle River Wind

Land Use and Infrastructure

- Land within the Project Study Area is predominantly zoned for agricultural use, but also includes non-farm residential, small-scale industrial, commercial and institutional type uses
- Active and non-active petroleum wells and a natural gas pipeline are also present
- Local land use, services and infrastructure will be identified through consultation with your community and other Aboriginal communities, the Town of Lakeshore and County of Essex



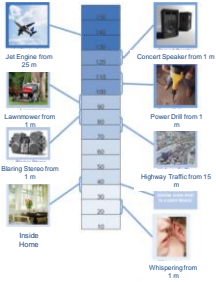




Belle River Wind

Noise

- Turbines will be placed at least 550 metres from the closest sound receptor (i.e., a home, building or facility that is sensitive to sound) and sound levels will be at or below 40 decibels (dBA) at 6 metres per second as required by Ministry of Environment and Climate Change noise guidelines for wind energy centres

Decibels (dBA) of Common Activities





Belle River Wind

Thank You

Thank you for meeting us

Next Steps for the Project:

- Summarize and respond to feedback received at this community meeting
- Finalize the layout for the Project
- Prepare draft REA reports and circulate for review by Walpole Island FN
- Continue to discuss the project with Walpole Island FN



For more information or to provide feedback, please contact:

Marc Rose
marc.rose@aeacom.com

Patricia Stirbys
patricia.stirbys@aeacom.com

Or visit our website
www.belleriverwind.com



Minutes of Meeting

Date of Meeting	February 23, 2015	Start Time	11:00 am	Project Number	60321891
Project Name	Belle River Wind Farm				
Location	Caldwell First Nation 14 Orange Street Leamington, ON N8H 1P5				
Regarding	Description and Updates of Project				
Attendees	AECOM Marc Rose Caldwell First Nation Chief Louise Hillier Councillor Janne Peters Councillor Isabel Lewis		Pattern Development Jody Law Pat Murray Samsung Brian Edwards		
Distribution	Attendees Bea Ashby (Samsung), Patricia Stirbys (AECOM)				
Minutes Prepared By	Marc Rose				

PLEASE NOTE: If this report does not agree with your records of the meeting, or if there are any omissions, please advise, otherwise we will assume the contents to be correct.

	Action
1) Project Background <ul style="list-style-type: none"> AECOM and Samsung / Pattern provided an overview of the project and activity to date, including fieldwork and findings, consultation activities, schedule, and opportunities for further engagement Chief Hillier asked about the depth of the transmission line poles, whether there was a concrete foundation, and how they would be designed to handle strong winds Brian Edwards responded that the depth depends on the type of pole that is used; concrete and steel poles typically have foundations that are approximately 3 metres deep, whereas wood poles are driven into the ground to a depth of 1/3 the total pole height; the poles will be designed to the applicable standards to ensure that they handle strong winds and other adverse weather 	<p>Samsung and Pattern to confirm depth of poles</p>


	Action
<p>2) Layout and Setbacks</p> <ul style="list-style-type: none"> • Chief Hillier asked why the setbacks for natural heritage were less restrictive than those for people (i.e., noise receptors) • Marc Rose responded that the setbacks were developed by the Provincial Government and that they are designed to protect human health and natural heritage • Chief Hillier stressed that Caldwell First Nation is primarily concerned about impacts to natural heritage and wants to know that Samsung and Pattern are using setbacks that are more restrictive than the Provincial requirements (i.e., those associated with O.Reg. 359/09) • Brian Edwards explained that the layout is designed to avoid natural and cultural features where possible; Marc Rose confirmed that the draft Renewable Energy Approval (REA) reports, specifically the Natural Heritage Assessment (NHA) reports, contain the setback distances between all infrastructure and adjacent natural features, and those reports will be circulated to Caldwell in mid-March • Chief Hillier asked whether any of the natural heritage fieldwork was done by First Nations ecologists; Marc Rose will follow up with Natural Resources Solutions Inc (NRSI) to confirm if any of their field team members are from a First Nation • Councillor Peters commented that Hydro One is planning a transmission line corridor parallel to Highway 77 to supply a new substation in Leamington 	<p>Marc Rose to follow up with NRSI</p>

	Action
<p>3) Job Creation</p> <ul style="list-style-type: none"> • Chief Hillier asked where the 9,000 jobs that Samsung has created are located; Brian Edwards responded that those jobs represent all the employment opportunities created by Samsung's Green Energy Investment Agreement with the Province of Ontario, which include factories in Tillsonburg and Windsor to manufacture blades and towers, respectively • Chief Hillier then asked how many First Nation members are employed as part of that number; Brian Edwards will follow up with his colleagues to confirm the number of employees who are First Nation members • Chief Hillier indicated that Caldwell is looking at this project as an opportunity to create jobs in the community; Caldwell has archaeological monitors and a heavy equipment operator who are able to work on this project, but would also value an opportunity to train other community members • Pat Murray explained that Pattern and Samsung can communicate future job opportunities to Caldwell, including scheduling job fairs in the community; Councillor Lewis indicated that there is a community newsletter that goes out to all members, including those in London and Aylmer, and that the newsletter can be used to advertise such opportunities <p>Meeting adjourned at 1 pm</p>	<p>Brian Edwards to confirm number of First Nation employees</p> <p>Pat Murray to get information for newsletter from Caldwell</p>



Belle River Wind

Caldwell First Nation

February 23, 2015



Information Sharing, Discussion and Feedback





Belle River Wind

Why We Are Here

Good planning involves your First Nation community.

The purpose of this meeting is to:

- Introduce the Belle River Wind Project and to provide an overview of the Renewable Energy Approval (REA) process
- Provide an opportunity to meet members of the Project Team and have your questions answered about the Project
- Obtain your community input for consideration in the planning and design of the Project





Belle River Wind

Who is Belle River Wind?

- The Belle River Wind Project is being proposed by SP Belle River Wind LP (Belle River Wind), a partnership of Samsung Renewable Energy (Samsung) and Pattern Energy Group LP (Pattern Development)
- The Belle River Wind Project is anticipated to have nameplate capacity of up to 100 megawatts (MW) and is expected to host up to 50 turbines


Samsung, together with some of the world's leading renewable energy companies, is making an unprecedented \$5-billion private-sector investment in Ontario to create the largest cluster of wind and solar power anywhere on the planet. Thanks to Samsung's Green Energy Investment Agreement with the Government of Ontario, we are creating 9,000 jobs while producing 1,369 MW of clean energy.



Pattern Development is a leader in developing renewable energy and transmission assets. The Pattern Development team has placed into operation more than 3,000 MW of wind power projects. A strong commitment to promoting environmental stewardship drives our dedication in working closely with communities to create premier renewable energy projects. Pattern Development operates and manages wind power projects through its affiliated public entity, Pattern Energy Group Inc. (Pattern Energy).



Belle River Wind

Project Study Area







Belle River Wind

Project Design



- Belle River Wind is in the planning and early design stages of the Project and a Draft Project Description Report has been prepared and provided to your community.
- The Project is proposed to include the installation of up to 50 wind turbines that will produce up to 100 MW of energy. The number and type(s) of turbines depend on a number of factors, including: wind resource, siting restrictions, socio-economic or natural environment constraints, capacity of the electrical grid and interest shown by local landowners
- The major components of the Project include:
 - Wind turbine foundations
 - Microwave tower foundations
 - Meteorological towers
 - Access roads
 - Temporary staging areas
 - Operations building
 - Collector substation



Belle River Wind

Proposed Transmission Line

- To connect the Belle River Wind Project to the provincial energy grid, a 230 kilovolt (kV) electrical transmission line may be built from the transformer substation to a connection point on the Hydro One network
- The transmission line may be located within the Project Study Area (see map) on private property and/or within existing municipal road right-of-ways
- There are several design options being considered for the transmission line, including burying the line or mounting it on new hydro poles
- If the transmission line is mounted on hydro poles, the poles could be made of wood, concrete or steel
- The location of the transmission line is presently under investigation and the final route will be determined after further studies are completed and your community comments are considered



Belle River Wind

Wind Turbine Setback Requirements

Under the Renewable Energy Approval (REA) process, the Ministry of the Environment and Climate Change has established required setbacks distances for all renewable energy facilities from receptors

If Project related infrastructure (turbines, access roads, collector system etc.) is located within the setback distances, additional analysis (i.e., Environmental Impact Study) will be provided in the REA application and summarized in the final Project Description Report

What is a Receptor?

Existing buildings (e.g. homes) or vacant lots that are or could potentially be used for overnight accommodation or as an educational facility, health care facility, day nursery or place of worship

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Renewable Energy Approval (REA) Process

The REA is issued under Ontario Regulation 359/09 (Renewable Energy Approvals under Part V.0.1 of the Act) under the *Environmental Protection Act*

The REA application will outline how Belle River Wind proposes to design, build, operate and decommission the Project

The Project is considered to be a Class 4 wind facility which means it has a nameplate capacity of 50 kW or greater and is not in direct contact with surface water, other than a wetland

The following reports, along with a high level summary of effects, will be released mid-March and made available to First Nation communities and for public review as part of the REA process:

- Project Description Report
- Construction Plan Report
- Design and Operations Report
- Decommissioning Plan Report
- Archaeological Assessment Reports
- Heritage Assessment Report
- Natural Heritage Assessment Reports
- Water Body Assessment Reports
- Noise Assessment Report
- Wind Turbine Specifications Report
- Consultation Report

Additional environmental approval and permitting requirements from agencies, such as the Ministry of Natural Resources and Forestry, Ministry of Tourism, Culture and Sport, and the Essex Region Conservation Authority, will also be addressed as part of and subsequent to the Belle River Wind Project REA application

Municipal permits and plans (e.g., Building Permit, Entrance Permit) will also be required from the Town of Lakeshore and County of Essex prior to construction

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Public Consultation Process

Notice of Proposal & Draft Project Description Report Published

Public Meeting

Aboriginal and Landowner Meetings

Municipal Meetings

We are here

Notice of Final Public Meeting, Published & Draft Reports Released for Public Review

Final Public Meeting - Spring 2015

30 Day Comment Period

Mandatory Consultation Activity

Renewable Energy Approval Process

Conduct Preliminary Desktop Analysis

Undertake Detailed Environmental and Technical Studies - Summer 2014

Design Draft Project Layout

Conduct Environmental Effects Analysis & Prepare Draft REA Submission Report - Fall/Winter 2014

Project Layout Finalized

REA Submission Report Finalized

Submit REA Application to MOEC - Spring 2015

Notice of Filing Posted on Environmental Registry

MOEC Review of Proposal - Potentially 6 Months

REA Decision

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Natural Heritage

Wildlife habitat assessments were conducted in 2014 to determine the extent of potentially significant wildlife habitats within the Project Study Area

Site-specific wildlife surveys will be conducted prior to Project development to assess the temporal and spatial use of the Project Study Area by individual species and verify any potential effects that the Project may have on these species and their habitat

An active bald eagle nest has been identified within a woodlot at the north end of County Road 31, near Lake St. Clair. The default habitat zone around an active bald eagle nest is 800m from project infrastructure; however, project infrastructure is currently proposed to be located approximately 2kms from the nest.

Other features include:

- 25 woodlands
- 12 wetlands
- One bat maternity colony

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Belle River Wind

Water Bodies

The water resources within the Project Study Area are predominantly agricultural drains. Some streams and other water bodies are also present and may provide suitable habitat for fish and mussel species

A preliminary study identified six fish and two mussel species that were previously documented within or near the Project Study Area

Four fish species of conservation concern (SCC) were identified as potentially being present within the study area, including ghost shiner, grass pickerel, longear sunfish and spotted sucker

There are 38 waterbodies within 120m of the Project Location, of which 33 overlap with the Project Location

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Belle River Wind

Cultural Heritage & Archaeology

Archaeological and Cultural Heritage assessments have been conducted to evaluate the potential for archaeological and cultural resources in the Project Study Area

Stage 1 and Stage 2 Archaeological Assessments included an initial desktop review and site assessments by archaeologists to identify if artifacts were present within the Project Study Area

The Stage 2 archaeological assessment resulted in the identification of cultural material in 29 locations. Ten of these locations were determined to exhibit cultural heritage value or interest and have been recommended for Stage 3 site-specific archaeological assessment

Of those ten locations, one is within the Project Location (i.e., the footprint of the project) and a Stage 3 assessment may be required.

Example of artifact found during archaeological field work

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2

Belle River Wind

Land Use and Infrastructure

- Land within the Project Study Area is predominantly zoned for agricultural use, but also includes non-farm residential, small-scale industrial, commercial and institutional type uses
- Active and non-active petroleum wells and a natural gas pipeline are also present
- Local land use, services and infrastructure will be identified through consultation with your community and other Aboriginal communities, the Town of Lakeshore and County of Essex



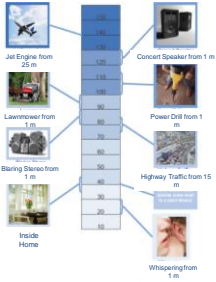


Belle River Wind



Noise

- Turbines will be placed at least 550 metres from the closest sound receptor (i.e., a home, building or facility that is sensitive to sound) and sound levels will be at or below 40 decibels (dBA) at 6 metres per second as required by Ministry of Environment and Climate Change noise guidelines for wind energy centres

Decibels (dBA) of Common Activities



Sound Source	Distance	Approximate dBA
Jet Engine	from 25 m	120
Concert Speaker	from 1 m	110
Power Drill	from 1 m	100
Highway Traffic	from 15 m	90
Blowing Stereo	from 1 m	80
Inside Home		70
Whispering	from 1 m	30



Belle River Wind


Thank You

Thank you for meeting with us

Next Steps for the Project:

- Summarize and respond to feedback received at this community meeting
- Circulate the draft REA reports for review by Caldwell FN
- Continue to discuss the project with Caldwell FN

We value your feedback and want to hear from you





For more information or to provide feedback, please contact:

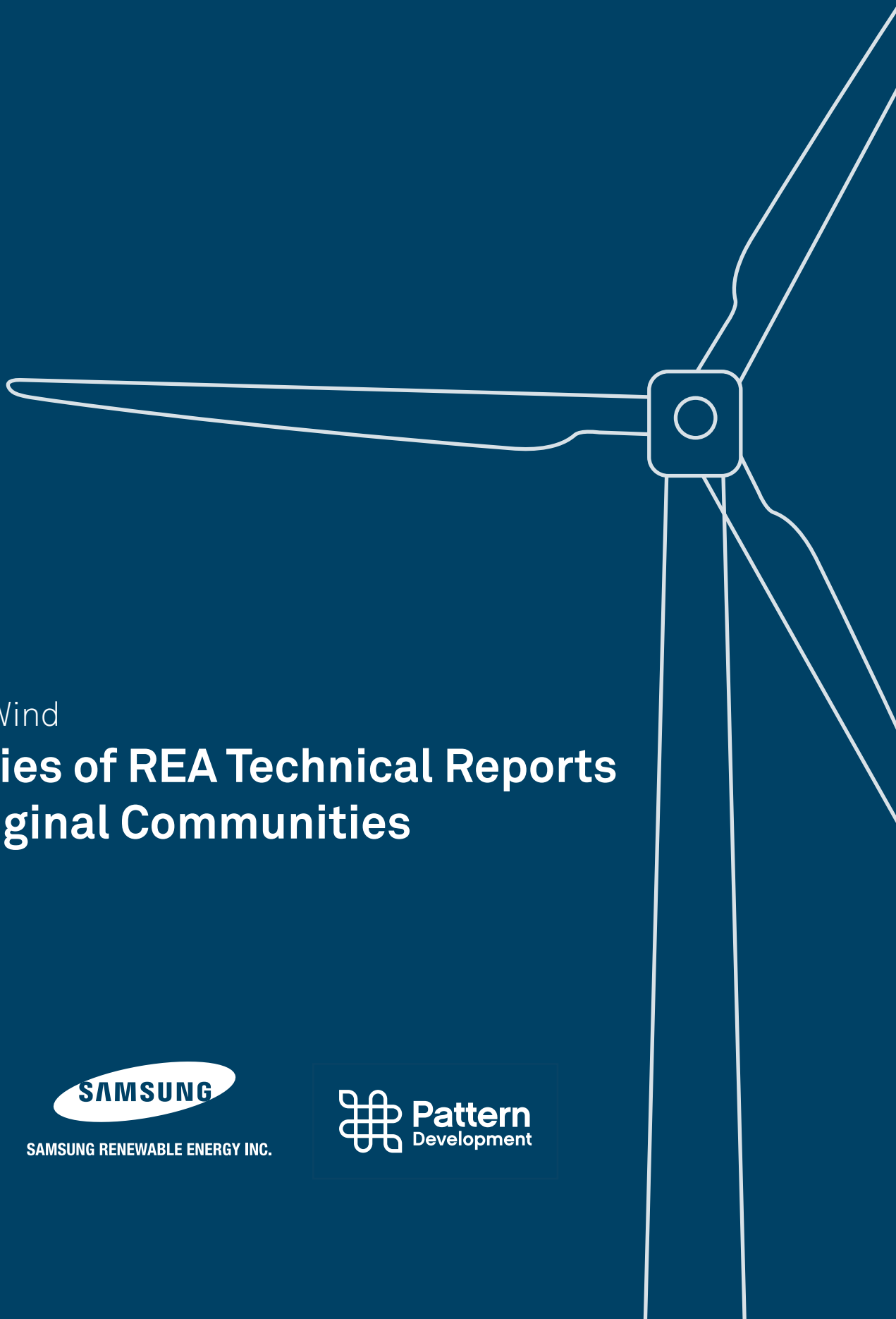
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Or visit our website
www.belleriverwind.com



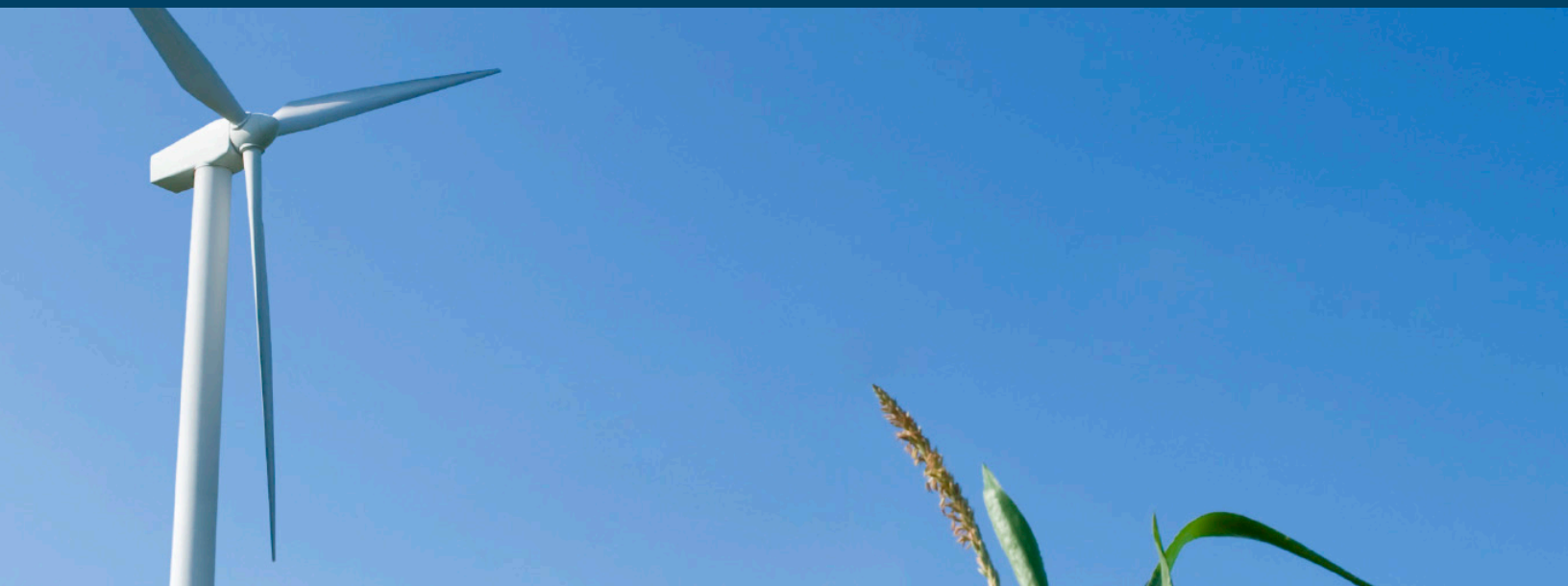
Appendix E3. Summaries of REA Technical Reports for Aboriginal Communities



Belle River Wind

Summaries of REA Technical Reports for Aboriginal Communities





Belle River Wind

Summaries of REA Technical Reports for Aboriginal Communities

Prepared by:

AECOM

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Project Number:

60321891

Date:

March, 2015

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Acronyms and Abbreviations

Belle River Wind	SP Belle River Wind, LP
BMPs	Best Management Practices
cm	Centimetres
dBA	Decibel
dbh	Diameter at breast height
EAAB	Environmental Assessment and Approvals Branch, Ontario Ministry of the Environment and Climate Change
EEMP	Environmental Effects Monitoring Plan
EIS	Environmental Impact Study
ELC	Ecological Land Classification
ERCA	Essex Region Conservation Authority
ESC	Erosion and Sediment Control Plan
GHGs	Greenhouse Gases
ha	Hectares
Hydro One.....	Hydro One Networks Inc.
km	Kilometres
kV.....	Kilovolts
L/day	Litres per day
m	Metres
m ²	Metres squared
m/s	Metres per second
MBCA.....	<i>Migratory Birds Convention Act</i>
mm	Millimetres
MNRF.....	Ontario Ministry of Natural Resources and Forestry
MOECC.....	Ontario Ministry of the Environment and Climate Change
MTCS.....	Ontario Ministry of Tourism, Culture and Sport
MW.....	Megawatt
NHA	Natural Heritage Assessment
O. Reg.....	Ontario Regulation
OASD	Ontario Archaeological Sites Database
Pattern Development	Pattern Renewable Holdings Canada, ULC
PDR	Project Description Report
PoR	Point of Reception
Project.....	Belle River Wind Project
PSA.....	Project Study Area
REA.....	Renewable Energy Approval
Samsung Renewable Energy	Samsung Renewable Energy Inc.
SFL	Sustainable Forest Licence
SRP	Spill Response Plan
SWH.....	Significant Wildlife Habitat
VLR	Vacant Lot Receptor
ZOI	Zone of Influence



1. Introduction

In May, 2009, the Government of Ontario passed the *Green Energy and Green Economy Act* and Ontario Regulation (“O. Reg.”) 359/09, as amended. Under the amended O. Reg. 359/09, the Belle River Wind Project (“Project”) will require a Renewable Energy Approval (“REA”).

The Belle River Wind Project is being proposed by SP Belle River Wind, LP, by its general partner, SP Belle River Wind, GP Inc. (“Belle River Wind”). Belle River Wind is a joint venture limited partnership owned by affiliates of Pattern Renewable Holdings Canada, ULC (“Pattern Development”) and Samsung Renewable Energy, Inc. (“Samsung Renewable Energy”). Belle River Wind is proposing to develop a wind project in the Town of Lakeshore in the County of Essex, Ontario. The Project will be located on public and private lands south of the community of Belle River.

The requirements for the Aboriginal Summary Report as defined under O. Reg. 359/09, as amended, are provided in the following table (**Table 1-1**) in addition to the corresponding report section.

Table 1-1: Adherence to Aboriginal Summary Report Requirements under O. Reg. 359/09, as Amended

Requirement	Corresponding Section
A written summary of each report (with the exception of the Consultation Report) that will be submitted as part of the REA application;	Sections 2 to 10 of this report
A written request to the community to provide any information (in writing) that, in the opinion of the community, should be considered in preparing any of the reports summarized above.	A letter to Aboriginal communities will accompany this report

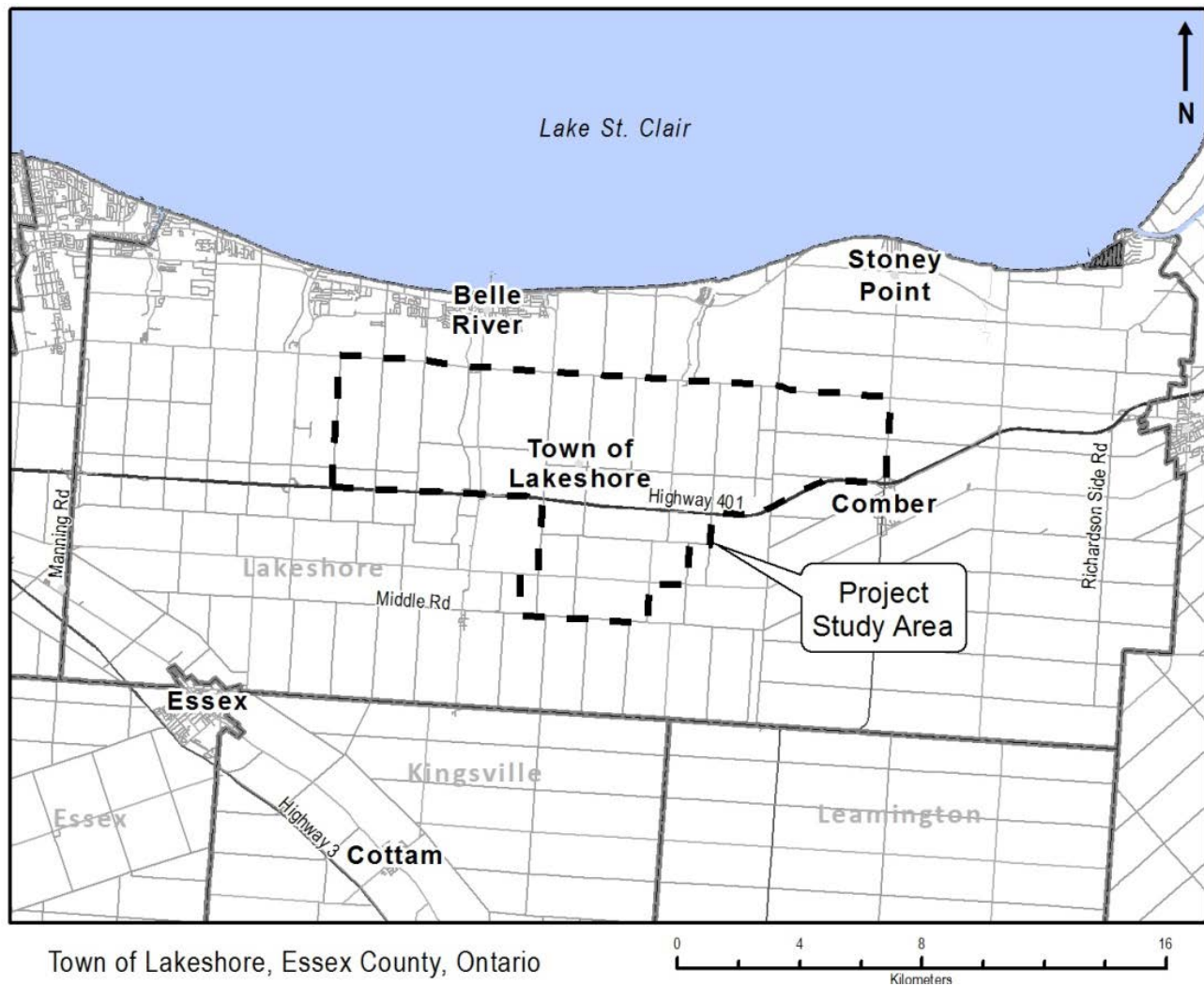
This report provides information for the reports and studies that have been completed for this Project and provides a summary of the following reports:

- The Project Description Report (PDR);
- The Construction Plan Report;
- The Design and Operations Report;
- The Decommissioning Plan Report;
- The Wind Turbine Specifications Report;
- The Archaeological Assessment Report;
- The Heritage Impact Assessment Report;
- The Natural Heritage Assessment Reports; and
- The Noise Impact Assessment Report.

1.1 Project Study Area

Belle River Wind is proposing to develop a wind project in the Town of Lakeshore in the County of Essex, Ontario. The Project will be located on public and private lands south of the community of Belle River. The Project is generally bounded by County Road 42 to the north, Lakeshore Road 111 to the west, Highway 401 and South Middle Road to the south, and Comber Sideroad to the east. The area encompassed by these boundaries is referred to as the Project Study Area (“PSA”). **Figure 1-1**, below, shows a map of the PSA.

Figure 1-1 Project Study Area



Town of Lakeshore, Essex County, Ontario

1.2 Contact Information

Applicant:

As noted above, Belle River Wind is a joint venture limited partnership owned by affiliates of Pattern Development and Samsung Renewable Energy. The contacts for the Project are as follows:

Brian Edwards
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Project:

Project Email: info@belleriverwind.com
Project Website: www.belleriverwind.com



2. Project Description Report Summary

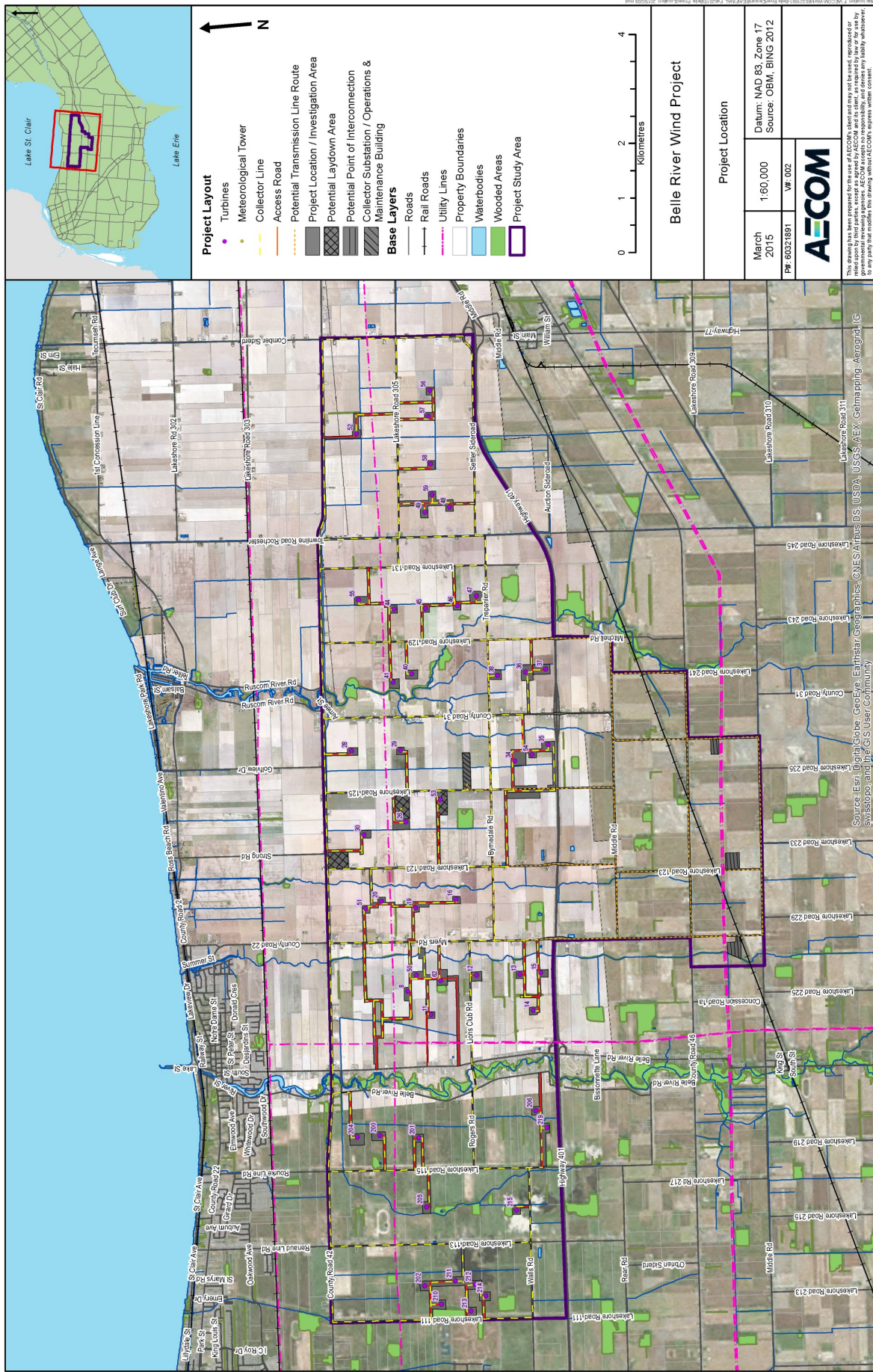
This section provides a summary of the Project Description Report (PDR including a description of the Project Location, Project Phases and potential impacts to the environment.

As a note, the Draft PDR was distributed to agencies, identified Aboriginal communities, the Town of Lakeshore, the County of Essex and to the Director of the Environmental Assessment and Approvals Branch ("EAAB") of the Ontario Ministry of the Environment and Climate Change ("MOECC") on August 20, 2014. At the same time, notices indicating the locations where the Draft PDR could be reviewed both in person and on the Project's website were provided to the members of the public.

2.1 Project Location

The Project Location is where site preparation and construction activities will occur (i.e., disturbance areas described below) and where permanent infrastructure will be located, including the air space occupied by turbine blades. Refer to **Figure 2-1** on the following page for a map of the Project Location.

Figure 2-1 Project Location



2.2 Description of Energy Source and Nameplate Capacity

The Project will use wind to generate energy through the use of commercial wind turbine technology. The proposed wind turbine technology for this Project is expected to be a Siemens SWT-3.2-113 or similar turbine. Up to 50 turbine locations are currently being assessed for the Project, and the Project will provide 100 megawatts ("MW") of nameplate capacity (or the maximum amount of power that a wind turbine or wind project can generate) once it is operating.

A summary of key Project information is presented in the table below.

Table 2-1: Summary of Key Project Information¹

Wind Turbine Generators	<i>Make and Model:</i>	Siemens SWT-3.2-113 or similar
	<i>Total Number Permitted:</i>	50 turbines
	<i>Approximate Number Constructed:</i>	44 turbines
	<i>Nominal Turbine Power:</i>	2.3 to 3.2 MW
	<i>Number of Blades:</i>	3
	<i>Blade Length:</i>	55 metres ("m")
	<i>Hub Height:</i>	99.5 m
	<i>Rotor Diameter:</i>	113 m
	<i>Foundation Dimensions:</i>	20 m diameter
Access Roads	<i>Access Roads – Operations: (includes shoulder, travel width and ditch)</i>	50 kilometres ("km") x 8 to 12 m
	<i>Access Roads – Construction (with shoulder):</i>	50 km x 8 to 15 m
Collector Lines	<i>34.5 kilovolts ("kV") Collector Lines in Public Right-of-way: (total combined length of proposed underground and/or overhead)</i>	80 km x 2 to 6 m
	<i>34.5 kV Collector Lines on Private Lands (underground):</i>	50 km x 2 to 6 m
Transmission Line	<i>230 kV Transmission Line in Public Right-of-way or Private Lands</i>	5 to 10 km x 2 to 6 m
Other Project Structures and Facilities	<i>Collector Substation:</i>	10 acres
	<i>Operations and Maintenance Building:</i>	7 acres
	<i>Interconnection Station:</i>	10 acres
	<i>Meteorological Towers:</i>	Up to 2
	<i>Microwave Tower:</i>	1
Temporary Land Use (Construction Phase)	<i>Construction Staging Areas:</i>	10 to 15 acres
	<i>Wind Turbine Laydown Area (each turbine):</i>	1.5 acres
	<i>Crane Pads:</i>	0.2 acres

2.3 Project Schedule

The schedule below outlines the anticipated timelines for the Project:

¹ Dimensions are approximations.

Table 2-2: Project Milestones

Project Milestone	Anticipated Date
Host Public Meeting #1	Fall, 2014
Complete Environmental Studies and Reporting	Winter, 2015
Host Public Meeting #2	Spring, 2015
Submit REA Application	Spring, 2015
Obtain Pre-Construction Permits	Winter, 2016
Start Construction	Spring, 2016
Commence Operations and Maintenance	Summer, 2017
Decommission Project	2037

2.4 Project Components

The major components of the Project include:

- Wind Turbine Generators;
- Wind Turbine Foundation;
- Pad-mounted Transformers;
- Wind Turbine Access Roads;
- Collector Lines;
- Collector Substation;
- Microwave Tower;
- Meteorological Towers;
- Transmission Line and Interconnection Station (Connection to Electrical Grid); and
- Operations and Maintenance Building.

To construct the proposed Project, a number of temporary construction components are also required, including:

- Crane Pads;
- Wind Turbine Laydown Areas; and
- Construction Staging Area.

More information on these components can be found in **Section 3** for the Construction Plan Report Summary, and the full Construction Plan Report.

2.5 Project Activities

2.5.1 Pre-Construction

Prior to construction, the primary activities include:

- The Optioning of Lands – confirming which lands will be used;
- Preliminary Engineering – initial design work;
- Geotechnical Assessment and Site Surveys of the Final Turbine Locations – confirming the site conditions;
- Procurement of Turbine and Substation Equipment – purchasing the Project components; and,
- Permitting and Detailed Design – more detailed design work and seeking approvals.

Belle River Wind will continue to communicate with the landowners on the development of the site plans for the Project.

2.5.2 Approvals

The Renewable Energy Approval (REA) process is the main approval requirement in the pre-construction phase of the Project. For all permits and authorizations that apply, Belle River Wind will work directly with the respective federal, provincial and municipal authorities to ensure all requirements are met. Belle River Wind will also continue to work closely with Project engineers, environmental and cultural specialists, as well as local landowners and Aboriginal communities throughout the development of the Project.

2.5.3 Construction

Construction of the Project is scheduled to begin in spring 2016 and planned to be completed by the fall of 2017. During site preparation and construction of the proposed Project, the following key activities will be undertaken:

- Preparation of temporary work areas, including clearing and grubbing of vegetation;
- Upgrading of existing access roads and the construction of new access roads;
- Site grading as necessary;
- Preparation and establishment of construction staging areas;
- Preparation of the collector substation laydown area;
- Delivery of construction vehicles and equipment;
- Excavation and installation of wind turbine foundations;
- Installation of crane pads and turbine laydown areas;
- Erection of wind turbines;
- Installation of pad-mounted transformers;
- Installation of electrical collector lines on private lands and/or in municipal road allowances;
- Construction of collector substation;
- Installation of microwave and meteorological towers;
- Installation of a transmission line and interconnection station on private lands and/or in municipal road allowances;
- Construction of operations and maintenance building; and
- Reclamation of construction laydown and staging areas.

For further information regarding the Construction Phase of the Project, refer to **Section 3** for the Construction Plan Report Summary, as well as the full Construction Plan Report.

2.5.4 Operations and Maintenance

The operations of the proposed Project is expected to begin in 2017 and will require up to 15 trained technical and administrative staff, including turbine maintenance technicians and a site supervisor. During the operation of the proposed Project, on-site activities will be limited primarily to scheduled maintenance of the Project components.

During operations and maintenance of the proposed Project, the following key activities will be undertaken:

- Preventative and unplanned maintenance of Project components;
- Belle River Wind staff transport;
- Natural heritage field monitoring;

- Field monitoring to evaluate the performance of the Project components and to conduct investigations / field visits to follow-up with any complaints received by Belle River Wind;
- Meter calibrations;
- Remote operation of the wind turbines;
- Maintenance of electrical collector and transmission lines; and
- Grounds maintenance in the vicinity of Project components.

For further information regarding the operational phase of the Project, refer to **Section 4** for the Design and Operations Report Summary, and the complete Design and Operations Report.

2.5.5 Decommissioning

If the Project is not extended past its current commercial operational life (20 years) the wind turbine structures will be removed to the base of the foundation and portions of the foundations will be excavated and backfilled with subsoil and topsoil to allow agricultural activities to continue. Access road removal will be dependent on the requirements and agreements in place with the individual landowner. Impacted lands will be restored to pre-construction state at the discretion of landowners. Decommissioning procedures will be similar, but in reverse order to those carried out in the construction phase.

For further information regarding decommissioning activities, refer to **Section 5** for the Decommissioning Plan Report Summary, and the full Decommissioning Plan Report.



3. Construction Plan Report Summary

This section summarizes the Construction Plan Report.

3.1 Pre-construction Activities

3.1.1 *Surveying and Geotechnical Sampling Activities*

Before starting construction, all access roads, collector lines, turbine locations, and all other foundations and work locations will be surveyed. Existing buried infrastructure located on public property will be identified using the Ontario One Call service. Buried infrastructure located on private property will be identified by private contractors prior to construction and updated throughout construction, as required.

3.2 Construction Activities

3.2.1 *Site Preparation, Land Clearing*

The construction of the access roads, turbine laydown areas, crane pads, wind turbine foundations and construction staging areas will typically require site preparation work. This may include clearing and grubbing of any vegetation, excavation of the topsoil layer and when required, a layer of clean compacted material (crushed gravel) will be added. Before access road construction, soil from the access road footprint will be stripped, stockpiled and re-used during construction to reclaim the site. A woven geotextile or cement-stabilized soil will be used where necessary.

3.2.2 *Equipment Installation*

- **Access Roads** – Access roads will be up to 15 m wide during construction.
- **Turbine Laydown Areas** – A site of approximately 1.5 acres will be constructed for the temporary storage of construction material and as a site for the construction office trailers. A temporary electrical service line will be connected to the existing distribution line for the purpose of providing power to the construction office trailers.
- **Crane Pads** – Temporary crane pads will be constructed at the same time as the access roads and will be located adjacent to the turbine locations. The crane pad dimensions will be approximately 0.2 acres.
- **Wind Turbine Foundations** – For typical foundations, the expected dimensions of the wind turbine foundation excavation are 0.2 acres with an excavated depth of up to 3 m. The foundation will be constructed of poured concrete and reinforced with steel rebar to provide strength. Each turbine tower is anticipated to have a concrete foundation up to 25 m wide and 2.5 m deep.
- **Construction Staging Areas** – Up to three potential temporary construction staging areas may be located within the PSA. The temporary construction staging areas will each be approximately 10 to 15 acres.
- **Wind Turbine Assembly and Installation** – Turbine components will arrive on-site using flatbed and other trucks and will be temporarily stored on-site in the immediate vicinity of the base prior to assembly. Following the erection of the wind turbine tower, the nacelle (which will be assembled prior to the delivery) will be lifted into place by the heavy-lift crane. The wind turbine rotor, which consists of three blades and the hub, will be lifted into place by a combination of two cranes.

- **Pad-Mounted Transformers** – A concrete transformer pad, approximately 6 metres squared (m²) in size, will be installed adjacent to each turbine at the same time as the turbine base installation.
- **Collector Lines** – Cables will carry electricity from each turbine to the collector substation. Similarly, fibre optics lines will be installed to allow for communications between the turbines and the substation. The collector lines may be a combination of underground lines on private lands and overhead and/or underground lines on public road allowances.

All underground collector lines will be installed in a trench approximately 1.5 m deep and/or in conduits installed by directional drilling. Where two or more underground collector lines must be connected together, a junction box will be installed either below or aboveground. Overhead collector lines along public road allowances will require installation of wood, steel or concrete monopoles to a depth of approximately 5 to 6 m. Conductors will be strung from pole to pole in a manner similar to local electrical distribution circuits, and will be spaced approximately 45 to 60 m apart.

- **Construction of the Collector Substation** – The collector substation will be constructed on an area of approximately 10 acres within a larger construction disturbance area that may include the operations and maintenance building.
- **Installation of the Transmission Line** – Transmission line poles may be installed by augur or mounted on concrete pier foundations. The poles will be inserted using special cranes to a typical depth of 2 to 3 m below grade. Once the poles are in place, cables will be strung in place using boom trucks and special cable reel trucks.
- **Construction of the Operations and Maintenance Building** – The operations and maintenance building will be a structure constructed on a concrete foundation with a footprint of approximately 0.5 acres.
- **Construction of Permanent Meteorological Towers** – Permanent meteorological towers will be erected using cranes and secured with guy wires tied off to anchors or a monopole foundation. Access roads may be constructed to access meteorological tower locations and the site may be surrounded by a chain link fence.

3.2.2.1 Site Clean-up and Reclamation

Site clean-up will occur throughout the construction phase and site reclamation will occur after construction has been completed. Waste and debris generated during the construction activities will be collected by a licensed operator and disposed of at an approved facility. All reasonable efforts will be made to minimize waste generated and to recycle materials including returning packaging material to suppliers for re-use / recycling, where possible.

3.3 Temporary Uses of Land

Construction and installation activities will use temporary storage and laydown area adjacent to access roads, wind turbines, the collector substation, and the operations and maintenance building. Lands used for temporary storage and laydown areas will be converted from their current state to one appropriate for their use prior to construction.

3.3.1 Construction Schedule

Site work for the Belle River Wind Project is expected to begin in 2016 and last for approximately 12 months. Construction and installation activities will generally occur at times of day when agricultural machinery would normally be in operation. **Table 3-1** presents the anticipated construction schedule and approximate order of construction activities for the proposed Project.

Table 3-1: Construction Schedule

Activity		Estimated Start Date ²	Estimated Duration
Surveying		"Prior to Construction" Spring / Summer 2015	2 to 3 months
Geotechnical Sampling		"Prior to Construction" Spring / Summer 2015	3 to 4 months
Site Preparations and Land Clearing		Summer / Fall 2016	2 to 3 months
Access Road Construction		Summer / Fall 2016	5 to 6 months
Construction of Laydown Area		Summer / Fall 2016	6 months
Turbine Site and Crane Pad Construction		Summer / Fall 2016	6 months
Turbine Foundations Construction		Summer / Fall 2016	8 months
Collector Substation Construction		Summer / Fall 2016	12 months
Transmission Line and Interconnection Station Construction		Summer / Fall 2016	12 months
Delivery of Equipment		Fall / Winter 2016	As needed throughout construction phase
Wind Turbine Assembly and Installation		Fall / Winter 2016	8 months
Electrical Collector System Construction	Pad-Mounted Transformers	Fall / Winter 2016	8 months
	Collector Lines	Fall / Winter 2016	8 months
Operations and Maintenance Building Construction		Fall / Winter 2016	8 months
Meteorological Towers and Microwave Tower Installation		Fall / Winter 2016	6 month
Turbine Testing and Commissioning		Summer 2017	4 months
Clean-up and Site Reclamation		Summer / Fall 2017	3 months

3.4 Materials / Waste Generation and Transportation

Materials and waste that will be brought to the Project during construction and installation will include equipment / component packaging, scraps, fuels and lubricants. These materials and waste products will be disposed of as follows:

- Packing frames for the wind turbine components and cabling spools will be returned to their respective vendors or will be recycled;
- Construction materials and scrap metals (e.g., copper wiring and conductor) will be removed and sold to a local scrap metal dealer;
- Oils, fuel and lubricants used in maintenance and operation of construction equipment will be stored temporarily in accepted containment systems and will subsequently be removed by a licensed contractor;
- Concrete wash out of empty cement trucks will adhere to applicable regulations;
- Sanitary sewage collected in portable toilets and wash stations will be transported to an off-site facility by a licensed hauler; and
- Disposal and recycling of waste will occur throughout the construction and installation of the Project since there are no plans for long-term storage of waste in the PSA.

2. The projected schedule is based on information known at the time of the completion of this Report. Modifications to the construction and installation schedule for the Project will be publicly available on the Project website: <http://www.belleriverwind.com/>

3.5 Description of Potential Environmental Effects and Proposed Mitigation Measures

The following section describes potential effects associated with the construction and installation of the Project. The potential effects described below are also presented in **Section 4** of the Construction Plan Report.

3.5.1 Archaeology

Stage 1 and 2 Archaeological Assessments were conducted to identify the presence of archaeological resources within the PSA and within the Project Location. The Stage 1 Archaeological Assessment consisted of an initial desktop archaeological study which determined that there are known archaeological resources within the PSA as well as other properties which contain potential archaeological resources.

3.5.1.1 Potential Effects and Proposed Mitigation Measures

The Stage 2 archaeological assessment resulted in the identification of cultural material in 29 locations. Of these 29 locations:

- Pre-contact Aboriginal artifacts were found at 14 locations;
- A combination of pre-contact Aboriginal and historic Euro-Canadian artifacts were found at two locations; and
- Historic Euro-Canadian artifacts were found at the 13 locations.

Of the 29 archaeological locations within the PSA, ten locations were determined to exhibit cultural heritage value or interest and, as such, have been recommended for Stage 3 site-specific archaeological assessment. Only one location overlaps with the Project Location and may require Stage 3 archaeological assessment to support construction of this project. Details on the recommendations for each archaeological site, as well as the rationale for the recommendations pertaining to each site, are outlined in **Section 5.0** of the Stage 2 Archaeological Assessment Report.

3.5.2 Cultural Heritage

A Heritage Impact Assessment was completed to identify heritage resources including cultural heritage and cultural heritage landscapes of cultural heritage value or interest.

3.5.2.1 Potential Effects and Proposed Mitigation Measures

The report identified 19 structures (14 houses and five barns) greater than 40 years of age located on participating parcels within the Project Location. Nine of these structures (four houses and five barns) were determined to have cultural heritage value or interest.

No anticipated impacts to the nine structures were identified for activities during the construction phase. Similarly, there are no adverse impacts anticipated to the cultural heritage landscape and no further work is recommended. For further information, refer to the Heritage Impact Assessment Report.

3.5.3 *Natural Heritage*

Natural heritage investigations were undertaken for this study to identify potential effects and mitigation measures related to the natural environment. The Natural Heritage investigations focused on potential effects during the installation and construction, operations, maintenance and decommissioning phases of the Project. For more information refer to the Natural Heritage Assessment reports.

3.5.3.1 *Potential Effects and Proposed Mitigation Measures*

The following provides examples of typical effects of the proposed Project on the natural environment that could be encountered during the site preparation and construction phase:

- Increased erosion and sedimentation into woodlands, wetlands and other natural features;
- Habitat degradation caused by sedimentation and erosion;
- Changes in soil moisture and compaction;
- Soil or water contamination;
- Disturbance and/or mortality to local wildlife;
- Noise disturbance / avoidance behaviour;
- Damage or removal (including accidental instances) of vegetation adjacent to the Project Location, road right-of-way;
- Accidental vegetation removal from significant woodlands;
- Habitat degradation caused by fugitive dust emissions and spills (i.e., oil, gasoline, grease, etc.);
- Loss of habitat in waterfowl stopover and staging areas;
- Accidental loss of habitat (damage to vegetation, including root zones);
- Accidental damage to raptor and bat habitat;
- Increased species competition to plant species of conservation concern through introduction of invasive species;
- Reduced stream flow rate, increased water temperature, increased surface runoff and changes in surface water drainage;
- Reduced flood impacts and water quality in significant wetlands; and
- Reduced infiltration and groundwater discharge in significant wetlands.

The Natural Heritage Assessment Environmental Impact Study (EIS) Report describes the potential effects, mitigation measures, and net effects of constructing the Project on significant natural features. The findings of this report are summarized below.

- Develop and implement a sediment and erosion control plan;
- Re-vegetate cleared areas, and areas adjacent to wetlands as soon as reasonably possible;
- Store any stockpiled material more than 30 m from a wetland, woodland or water body;
- Minimize vehicle traffic on exposed soils during site clearing, grubbing, grading and top soil removal;
- Implement fugitive dust suppression techniques, such as water application to all inactive disturbed surface areas, unpaved roads, open storage piles and work areas;
- Schedule all construction activities aside from vegetation clearing and site grading outside of the core breeding period for migratory birds (May 1st – July 31st), wherever possible, to limit disturbance to migratory birds or their nests;

- Schedule vegetation clearing and site grading outside of the core breeding period for migratory birds (May 1st – July 31st), wherever possible, in accordance with the *Migratory Birds Convention Act* (MBCA);
- Schedule construction activities to occur outside of the most important period of staging waterfowl (March 1st – April 30th), whenever possible;
- Schedule construction and regular (non-critical) maintenance activities located within 30 m of significant butterfly species of conservation concern habitat to occur outside of the flight period for when this species is likely to be encountered (late June to early August), whenever possible;
- If construction must occur during peak seasons have a biologist present to confirm birds, bats, butterflies, etc. will not be affected by construction activities;
- Clearly post construction speed limits;
- Document all trees (>10 centimetres (“cm”) diameter at breast height (“dbh”)) to be removed and retained within the disturbance area limit, prior to construction;
- Prune damaged trees through implementation of proper arboricultural techniques;
- Keep contact information for the MOECC Spills Action Centre in all vehicles as well as posted in a designated area on the construction site;
- Store hazardous materials in designated areas and dispose of waste material by authorized and approved off-site vendors; and
- Locate all maintenance activities, vehicle refuelling or washing, as well as the storage of chemical and construction equipment more than 30 m from significant features.

3.5.4 Surface and Groundwater

Potential effects to surface water resulting from locating a Project component close to water bodies are evaluated in the Water Assessment and Water Body Report. Similarly, the potential effects to groundwater are evaluated in the Hydrogeological Assessment and Effects. The results of both reports are summarized below.

3.5.4.1 Potential Effects and Proposed Mitigation Measures

The following is a summary of the potential effects on Surface and Groundwater associated with the construction phase of the Project:

- Increased erosion, sedimentation, and turbidity resulting from removal of upland and river bank vegetation;
- Excess sediment suspended and carried downstream by stream flow;
- Increase in surfaces unable to absorb water and increased surface runoff resulting from clearing of forested areas and re-grading of land;
- Soil compaction as a result of heavy machinery and the stockpiling of heavy materials (i.e., soils) in the PSA;
- Serious harm to fish or fish habitat from physical changes to the stream channel, streambed and riparian vegetation;
- Minor, isolated, short term dewatering of shallow groundwater from excavation areas;
- Water contamination by oils, gasoline, grease and other materials; and
- Contaminant spills due to the proximity of construction vehicles and machinery to water bodies.

The following mitigation measures are related to potential effects to surface and groundwater:

- Remove construction debris from the site and stabilize it to prevent it from entering the nearby water bodies;
- Avoid construction during high volume rain events (20 millimetres (“mm”) in 24 hours) and significant snow melts/ thaws, where possible, and resume once soils have stabilized;
- Develop a Flood Response Plan to deal with on-site flooding as to mitigate any possible effects to the aquatic environment;
- Develop an Erosion and Sediment Control Plan (“ESC”) to minimize the potential for construction related sediment release into nearby watercourses;
- Develop and implement an emergency frac-out response plan including steps to contain, monitor and clean-up in response to the event;
- Operate construction equipment (i.e., cranes, back hoes etc.) in a manner that minimizes disturbance to the banks of the watercourse and stays outside of the watercourse and bank area;
- Implement riparian planting after construction as soon as weather permits to stabilize watercourse channel banks and encourage rapid re-vegetation of disturbed soils;
- Develop fish habitat compensation measures, as required, should serious harm to fish habitat be anticipated;
- During surface water dewatering, collect and relocate fish to a suitable location, preferably downstream and away from the construction area. This should be executed by a qualified fisheries biologist;
- Perform in-water work (if required) in the dry where possible. If this is not possible, short-term isolated dewatering will be required. Prior to dewatering, isolate the work area with the installation of a temporary water containment structure;
- Ensure machinery arrives on site in clean condition and is checked and maintained free of fluid leaks;
- Store fuel and other construction related materials securely away from any drainage features and locate construction staging areas 30 m away from any water body; and
- Develop a Spill Response Plan (“SRP”) prior to commencement of construction to provide a detailed response system to deal with events such as the release of petroleum, oils and lubricants or other hazardous liquids and chemicals. Keep a spill kit on site at all times and train on-site workers.

3.5.5 Air, Odour and Dust Emissions

3.5.5.1 Potential Effects and Proposed Mitigation Measures

Excavation activities, construction vehicle traffic, temporary generator operation and temporary exposure of soil stockpiles have the potential to generate short-term localized dust emissions that could result in nuisance effects.

Air emissions will be highest during land clearing and other activities that involve significant levels of material handling (e.g., aggregate laydown for access road construction and preparation for the installation of underground collector lines).

No emissions of odours are anticipated. Potential effects include:

- Dust and vehicle emissions, including greenhouse gases (“GHGs”); and
- Reduction in surface water quality as a result of dust emissions.

Proposed mitigation measures associated with potential effects from air, odour and dust emissions are described below.

- Implement a speed limit for construction equipment and trucks on access roads;
- Apply dust suppressants (e.g., water or environmental friendly dust suppressants) to unpaved areas at an environmental acceptable rate to minimize the release of dust;
- Re-vegetate cleared areas as soon as possible;
- Install wind fences, as required; and
- Limit unnecessary idling of vehicles.

3.5.6 Noise Emissions

3.5.6.1 Potential Effects and Proposed Mitigation Measures

The operation of heavy construction vehicles, potential blasting and temporary generators could also result in nuisance noise at nearby residents or businesses and disturbance to local wildlife. Like air emissions, noise levels will be highest during land clearing and other activities that involve significant levels of material handling (e.g., aggregate laydown for access road construction and preparation for the installation of underground collector lines). Potential effects include:

- Increased noise due to construction activity.

Proposed mitigation measures associated with potential noise effects are described below.

- Schedule activities to comply with noise by-laws, where possible;
- Ensure that construction equipment is frequently maintained and kept in good working condition;
- Ensure that noise emissions from construction equipment not exceed specified MOECC guidelines; and
- Implement construction speed limit on unpaved roads.

3.5.7 Local Interests, Land Use and Infrastructure

3.5.7.1 Potential Effects and Proposed Mitigation Measures

There will be a temporary loss of agricultural land during construction and installation activities as a result of the Project. Potential effects on local interests, land use and infrastructure, and local roads include:

- Reduction in agricultural land;
- Damage to local infrastructure;
- Increased congestion due to an increase in truck traffic and short-term lane closures on local roads during delivery of Project components; and
- Temporary change in the flow of local traffic resulting from maintenance activities.

The construction of the Project will not result in the creation of access to previously inaccessible areas as the Project is located in areas already cleared for agricultural uses.

Proposed mitigation measures associated with potential effects to local interests, land use and infrastructure are described below.

- Minimize length of access roads where possible;
- Consult with landowners to design access roads to minimize impacts to existing land use;

- Compensate landowners on Project Location as per land lease agreement;
- Adhere to best practices regarding the operation of construction equipment and delivery of construction materials;
- Undertake roads condition survey prior to construction and post-construction;
- Develop a traffic management plan for the construction phase and submit to the Town of Lakeshore and County of Essex prior to construction;
- Notify the community in advance of construction delivery schedules and install signage to notify road users of construction activity, where appropriate;
- Obtain appropriate road occupancy and traffic permits from provincial and municipal agencies prior to undertaking maintenance activities, if required; and
- Notify the community about major Project maintenance activities.

3.5.8 Public Health and Safety

3.5.8.1 Potential Effects and Proposed Mitigation Measures

The following is a summary of the potential effects relating to public health and safety.

Effects on public health and safety during construction have been described in **Section 3.5.5** (Air, Odour and Dust), **Section 3.5.6** (Noise), and **Section 3.5.7** (Local Interests, Land Use and Infrastructure). To minimize or avoid effects on public health and safety, the turbines are sited according to setback distances outlined in all pertinent Ontario regulations. Potential impacts include:

- Impacts on public health and safety from structural hazards, and/or ice throw; and
- Stray voltage effects to the public and livestock.

Proposed mitigation measures associated with public health and safety are described below.

- Adhere to setback requirements to limit likelihood of any impacts;
- Build and maintain the Project as prescribed by the Distribution System Code and the Electrical Safety Authority to minimize the risk of stray voltage;
- Ensure ongoing regular maintenance and monitoring of turbines; and
- Ensure that all electrical design conforms and complies with relevant electrical safety standards.

3.5.9 Other Resources

A search for landfills, aggregate resources, forest resources and petroleum resources was undertaken based upon data from the municipality, MOECC and Ontario Ministry of Natural Resources and Forestry ("MNR"). Below are the details of these searches.

3.5.9.1 Landfills

There are no landfills within the PSA with the closest active landfill being approximately 19 km away. Therefore, no effects on landfills are anticipated.

3.5.9.2 *Aggregate Resources*

There are no authorized aggregate resources within the PSA – the closest aggregate resource being approximately 12 km away. Therefore, no effects on aggregate resources are anticipated. It is planned that local sources will be used to the greatest extent possible.

3.5.9.3 *Forest Resources*

There are no Sustainable Forest Licences (“SFLs”) within the PSA. Therefore, no effects on forest resources are anticipated.

3.5.9.4 *Petroleum Resources*

There are 13 petroleum wells within 75 m of Project infrastructure. In addition, three natural gas pipelines intersect the PSA. An assessment of petroleum resources is being conducted to determine the effects of the Project on these resources. The results of this assessment will be documented in a Petroleum Resources Report.

3.5.10 *Areas Protected under Provincial Plans and Policies*

The REA requires a determination as to whether the Project is being proposed in any of the following protected or plan areas:

- Protected Countryside or Natural Heritage Systems in the Greenbelt Plan;
- Oak Ridges Moraine Conservation Plan Areas;
- Niagara Escarpment Plan Area; or
- Lake Simcoe Watershed Plan Area.

The Belle River Wind Project is not proposed in an area within the jurisdiction of the plans noted above. As such, there will be no effects on these areas as a result of the Project.

3.6 **Summary and Conclusions**

The conclusion of the Construction Plan Report is that this project can be constructed and installed without any significant adverse net effects.



4. Design and Operations Report Summary

The following summarizes the Design and Operation Report. The report describes the location, operation and maintenance for the wind turbines, as well as the potential environmental effects and health and safety concerns.

4.1 Project Operational Plan

The proposed Project will be in operation for 20 years, and is anticipated to require up to 15 trained technical and administrative staff, including turbine maintenance technicians and a site supervisor. During the operation of the proposed Project, on-site activities will be limited primarily to scheduled maintenance of the Project components, Natural Heritage field monitoring, and field monitoring for evaluation of the Project.

4.2 Meteorological Data

Monitoring of meteorological data at an operations centre will allow staff to adapt wind turbine(s) operation during weather events that may include high winds and lightning strikes. Details of how the Siemens SWT-3.2-113 wind turbine generators are able to respond to meteorological conditions are described in the sections below.

4.2.1 Extreme Weather Conditions

The Siemens SWT-3.2-113 wind turbine generators are designed to operate above wind speeds of 3 metres per second ("m/s"). However, at wind speeds of greater than 25 m/s, the wind turbine blades will feather out of the wind (to reduce pressure applied to the turbines) and the wind turbine will rotate out of the prevailing wind direction. The wind turbine generators are also equipped with a secondary safety braking mechanism, which will activate if there are operational difficulties with the wind turbine blade pitching and yaw controls.

4.2.2 Lightning Strikes

The wind turbine generators are equipped with lightning safeguards which protect the wind turbines from the tip of the blades to the foundation. The safeguards enable the lightning current to by-pass all vital wind turbine components within the blade, nacelle and tower, limiting the potential for damage.

4.3 Description of Potential Environmental Effects and Proposed Mitigation Measures

The following section describes potential effects associated with the operations of the Project. The potential effects described below are also presented in **Section 6** of the Design and Operations Report.

4.3.1 Cultural Heritage (Archaeological and Heritage Resources, Protected Properties)

The Stage 2 archaeological assessment resulted in the identification of 29 locations producing cultural material. Ten of the 29 archaeological locations identified within the study area were determined to exhibit cultural heritage value or interest and, as such, are recommended for Stage 3 site specific archaeological assessment. Only one location overlaps with the Project Location and may require Stage 3 archaeological assessment to support construction of this project.

Additionally, no effects to the nine structures with cultural heritage value or interest are anticipated, as the Project Location was selected to avoid these features. Therefore, no mitigation measures or monitoring are proposed.

4.3.2 Natural Heritage

The following provides a summary of potential effects and the proposed mitigation measures related to wetlands, woodlands and wildlife habitat that are “significant³” or have been treated as significant. For more information refer to the Natural Heritage Assessment reports.

4.3.2.1 Potential Effects and Proposed Mitigation Measures

Potential effects during the operational phase may include:

- Avoidance of habitat by wildlife; and
- Direct mortalities through collisions with operational turbines.

Proposed mitigation measures associated with potential effects to natural heritage resources are included below.

- Schedule regular (non-critical) maintenance activities to occur outside of the most important period of staging waterfowl (March 1st – April 30th), whenever possible;
- Schedule regular (non-critical) maintenance activities located within 30 m of open country bird breeding habits to occur outside of the peak breeding bird season (May 1st-July 31st), if possible;
- Develop a post-construction monitoring plan based on the Birds and Bird Habitat Guidelines; and
- Use lighting that will minimize risk to birds, while fulfilling Transport Canada requirements.

4.3.3 Surface Water and Groundwater

Potential effects to surface water resulting from locating a Project component close to water bodies are evaluated in the Water Assessment and Water Body Report. Similarly, the potential effects to groundwater are evaluated in the Hydrogeological Assessment and Effects. The results of both reports are summarized below.

4.3.4 Water Bodies

4.3.4.1 Potential Effects and Proposed Mitigation Measures

During operation of the Project, impacts to water bodies will be limited and associated with increased traffic access within the PSA as well as ongoing maintenance activities. This includes:

- Increased erosion, sedimentation and turbidity resulting from removal of upland and riparian vegetation during maintenance activities;
- Water contamination by oils, gasoline and grease, which could result in a fish kill or serious harm to fish habitat; and
- Increase in surface runoff resulting from clearing of vegetation during maintenance activities.

3. “Significance” (relating to wetlands, woodlands and wildlife habitat) is determined based on the results of environmental field studies according to criteria set out by the MNRF.

Proposed mitigation measures associated with potential effects to surface water are summarized below.

- Develop a sediment and erosion control plan that will minimize the potential for construction related sediment release into nearby watercourses, and prepare sediment and erosion control plan condition reports as part of the monitoring and maintenance plan;
- Store fuel and other maintenance related materials securely away from any drainage features;
- Implement a Spill Response Plan (SRP) to provide a detailed response system to deal with events such as the release of petroleum, oils and lubricants or other hazardous liquids and chemicals;
- Keep a spill kit on site at all times and train on-site workers in the use of this kit and the SRP; and
- Restrict vehicles to designated controlled access routes to minimize the potential for soil compaction.

4.3.5 Groundwater

4.3.5.1 Potential Effects and Proposed Mitigation Measures

Potential effects related to groundwater include:

- Contamination of groundwater resources due to accidental spills or releases of contaminants (i.e., fuel, lubricating oils and other fluids) during the refuelling, operation or maintenance of project equipment; and
- Reduction in groundwater quantity from an increase in impervious area created by turbine foundations and access roads resulting in reduced infiltration to unconfined aquifers.

Proposed mitigation measures associated with potential effects to groundwater are described below.

- Implement the SRP and train staff on procedures and protocols;
- Refuel Project equipment and vehicles on spill collection pads and/or in designated areas;
- Dispose of any waste material by authorized and approved off-site vendors;
- Direct runoff from the constructed impervious surfaces to ground surface to prevent any decrease in infiltration and recharge; and
- Minimize equipment traffic on exposed soils to avoid compaction and a reduction of water infiltration.

Potential adverse effects on local groundwater users (landowners) and natural ecological features are not expected due to the limited volume of water (less than 4,500 litres per day ("L/day")) that will be used at the operations and maintenance building.

4.3.6 Air, Odour and Dust

During the operation of the proposed Project, maintenance activities have the potential to cause infrequent, localized and short-term dust and vehicle emissions. These emissions are expected to be considerably lower in magnitude than during construction, installation and decommissioning activities.

No emissions of odours are anticipated during the operations phase of the Project.

4.3.6.1 Potential Effects and Proposed Mitigation Measures

Potential effects related to air, odour and dust include:

- Dust and vehicle emissions, including Greenhouse Gases (GHGs).

Proposed mitigation measures associated with potential effects to air and dust are summarized below.

- Implement a speed limit on access roads;
- Properly maintain all vehicles; and
- Direct project staff to limit the idling of engines where possible.

4.3.7 Noise

The operation of wind turbines and the collector substation will generate noise that has the potential to affect local residents. A Noise Impact Assessment Report was prepared to confirm the noise levels associated with operating the turbines and the substation; the study and its results are presented in **Appendix C** of the Design and Operations Report.

Noise modelling conducted for the Noise Impact Assessment Report determined that the Project layout is in compliance with Provincial requirements. As part of the Noise Impact Assessment Report the combined noise effects of the Project and existing wind turbines within 5 kilometres (km) were modelled. Existing turbines within 5 km of the Project include:

- Comber Wind Farm;
- Pointe Aux Roches Wind Farm; and
- Gracey Wind Farm.

4.3.7.1 Potential Effects and Proposed Mitigation Measures

Potential effects related to noise include:

- Increased noise levels experienced by people living near turbines or the collector substation.

Proposed mitigation measures associated with potential effects to noise include:

- Monitor and assess the need for repair of equipment, as required.

4.3.8 Local Interests, Land Use and Infrastructure

Effects on agricultural use, adjacent businesses and properties, roads, the local airport and conservation areas were considered during the REA.

4.3.8.1 Potential Effects and Proposed Mitigation Measures

Agricultural Use

There are no expected impacts to agricultural land during operations.

Adjacent Businesses and Properties

Twenty-six (26) turbines are located closer than 99.5 m (which is the distance equal to or less than the hub height of the turbine) from an adjacent property line, which may result in adverse impacts to damage to field crops as a result of turbine failure. However, this potential impact already exists at a 99.5 m setback and is not increased by a setback reduction.

Local Roads and Traffic

During the operation of the Project, maintenance activities may require the replacement of a major wind turbine generator component (e.g., gear box or rotor), which would require specialized equipment (e.g., cranes). The delivery of specialized equipment could result in a temporary increase in slower moving traffic on local roads. Any maintenance activities adjacent to or in road easements could also result in temporary disruptions to the flow of traffic on some local roads.

Local Airport

The Windsor Airport is located more than 14 km from the Project, and no impacts are expected. Consultation with the Windsor Airport is ongoing.

Conservation Areas

There are no Conservation Areas in the PSA.

The following mitigation measures were considered for potential effects related to local interests, land use and infrastructure:

- Obtain appropriate road occupancy and traffic permits from provincial and municipal agencies prior to undertaking maintenance activities, if required; and
- Notify the community about major Project maintenance activities.

4.4 Emergency Response and Communication Plan

The purpose of the Emergency Response and Communication Plan is to propose how ongoing communication throughout the construction, operation and decommissioning phases of the Project will occur to ensure that members of the community, Aboriginal communities, local municipalities and other stakeholders are kept apprised of pertinent Project activities, in addition to any emergencies in the unlikely event that one should occur.

The following sections outline Belle River Wind's communication commitments in relation to emergency response, ongoing communication and complaint management.

4.5 Emergency Response

Throughout the construction, operation and decommissioning phases of the Project, an up-to-date Emergency Action Plan will be maintained at the operations and maintenance building. The Emergency Action Plan will contain current contact information for emergency responders, including local police and fire departments, and will outline communication protocols should an emergency situation arise.

Depending on the nature of the incident, the community will be notified at the discretion of Belle River Wind employees trained on the Emergency Action Plan's procedures. The Plan will be maintained on-site and updated when required.

4.6 Non-Emergency Communications

Non-emergency communications that may be communicated through mailings include:

- Commencement of construction and installation activities for the Project;
- Maintenance activities that are considered outside of routine maintenance (e.g., wind turbine generator disassembly or replacement of collector lines);
- Commencement of decommissioning activities for the Project; and
- Any additional information about the Project that Belle River Wind considers to be of interest to regulatory agencies, staff and Council from the Town of Lakeshore and County of Essex, or local residents.

4.7 Complaints Resolution Process

Belle River Wind acknowledges that some members of the community may have concerns regarding construction activities and long-term wind farm operations. To address concerns in a collaborative manner, Belle River Wind will follow a complaints resolution process. The Construction Manager will be responsible for the implementation of the complaints resolution process during the construction phase and the Operations Manager will take on this responsibility during the operations phase.

4.8 Summary and Conclusions

The Design and Operations Report concludes that this Project can be operated without any significant adverse net effects. Post-construction monitoring related to effects on wildlife, including birds and bats, will be undertaken to confirm this conclusion.

	depth of approximately 1 m to allow for the reinstatement of previous land use.
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5. Decommissioning Plan Report Summary

5.1 Decommissioning Plan Report Summary

Following the anticipated 20 year operational phase of the Project, all components are expected to be decommissioned. The decommissioning process involves removing the wind turbine, including the tower, generator, auxiliary equipment, above ground cables / poles, fixtures, and all other personal property. The process seeks to restore the premises to a condition similar to what existed prior to the Project. If landowners agree, access roads and underground cables may be left in place. Foundations shall be removed to approximately 1 m below grade and replaced with topsoil. As with construction, a manager responsible for safety will be present on site for the duration of the work.

This summary describes the decommissioning process outlined in the Decommissioning Plan Report. These plans are explained in more detail within the full Decommissioning Plan Report.

5.2 Decommissioning During Construction

Although it is unlikely that the Project would be decommissioned before the operations phase, should this occur, the procedures for dismantling the Project would depend upon the state of construction. Dismantling would follow the steps outlined in **Section 2.2.1** of the Decommissioning Plan Report and any exposed soils would be re-seeded, at the discretion of the landowner. Mitigation measures as described in the Environmental Effects Management Plan (part of the Design and Operations Report) would also be implemented. Restoration of the Project area would follow the procedures outlined in the Construction Plan Report for post-construction activities of the Project. More details about post-construction activities can be found in the Construction Plan Report.

5.3 Decommissioning After Ceasing Operations

Many of the activities completed during decommissioning are similar to those completed during construction and installation activities, but would likely occur in the reverse sequence. Preliminary decommissioning activities will include equipment delivery, topsoil removal, and the creation of temporary staging and laydown areas (including field offices). For a detailed description of these activities, refer to the Construction Plan Report.

A summary of the general timing of Project decommissioning is provided in **Table 5-1**.

Table 5-1: Timing of Project Decommissioning Activities

	Project Phase and Activity	Duration*
Decommissioning Planning and Permitting	Planning and permitting	12 months
Aboveground Structure Decommissioning	Turbines including dismantling and removal	5 months
	Overhead collector system and transmission lines including dismantling and removal	2 months
	Collector substation including dismantling and removal	2 months
	Operations and maintenance building, including dismantling and removal	2 months
	Access roads including road bed removal and land reclamation	3 months
	Meteorological and microwave towers including dismantling and removal	1 month
	Watercourse crossings including removal and aquatic and riparian habitat reclamation	1 month
	Pad-mounted transformer including dismantling and removal	2 months
Belowground Structure Decommissioning	Turbine foundation removal (including concrete removal to operable depth for agriculture), transport and disposal of materials to suitable facility	4 months
	Underground collector lines, which will be terminated at connection points and removed to 1 m below surface	2 months

*Note: Some decommissioning activities will be completed concurrently and the outlined durations are approximate

5.3.1 Project Component Dismantling and Removal

At the end of the Project's operational life, all components will be shut down and disconnected. Temporary staging and laydown areas will then be constructed and all decommissioning activities will be carried out within these designated areas. During decommissioning activities, erosion and sedimentation control measures will be implemented, as required.

5.3.1.1 Aboveground and Underground Structure Decommissioning

Table 5-2 summarizes the activities that will be completed during decommissioning of aboveground and underground structures. A more detailed description of these activities is included in the Decommissioning Plan Report.

Table 5-2: Project Decommissioning Activities for Aboveground and Underground Structures

Structure	Description
Wind Turbines	<ul style="list-style-type: none"> A crane pad and wind turbine laydown area will be constructed at each turbine location to accommodate the dismantling of the wind turbine generators. Wind turbines will be dismantled into their component parts, including the hub, nacelle, blades, tower and pad-mounted transformers. Before directing components to disposal or recycling facilities, efforts will be made to re-use equipment and salvage parts for existing wind farms with similar turbine technology. Turbine components will be delivered to the appropriate landfill, scrap metal yard or industrial recycling areas by large truck and trailer combinations, requiring approximately ten loads per turbine. The total number of loads may decrease substantially if the materials are considered to be scrap and can be reduced to a smaller than original size (e.g., cutting turbine blades into pieces).
Wind Turbine Foundations	<ul style="list-style-type: none"> Foundations, including any rebar or steel anchor bolts, will be removed to a depth of approximately 1 m below grade, so that pre-existing land uses can continue following soil restoration. Excavated foundation areas will be backfilled with subsoil and topsoil to match the original soil horizons and elevation, and the area will be graded and contoured.
Pad-mounted Transformers	<ul style="list-style-type: none"> Pad-mounted transformers will be detached from the base of each wind turbine generator and foundation by a small crane. If possible, the pad-mounted transformers from the Project will be recycled for future use.
Wind Turbine Access Roads	<ul style="list-style-type: none"> Access roads will be widened up to 15 m to accommodate cranes and transportation equipment to remove wind turbine components. Following decommissioning of select Project components, the granular base material and crushed gravel used to construct access roads will be removed from the site, by dump truck and delivered to a final destination, unless otherwise agreed upon with the landowner. Culverts installed during construction and installation activities will also be removed unless requested by landowners. Any removal of culverts will be completed in consultation with, and will receive approval from the applicable regulatory agencies, if required.
Overhead and Underground Collector Lines	<ul style="list-style-type: none"> Overhead cables and transmission poles that are not shared with Hydro One Network Ins. ("Hydro One") or other utilities will be removed. At the connection points, where the underground collector lines come to the surface, the collector lines will be cut and excavated to a depth of approximately 1 m below grade.
Collector Substation	<ul style="list-style-type: none"> The substation will be dismantled and removed in accordance with provincial regulatory requirements at the time of decommissioning.
Operations and Maintenance Building	<ul style="list-style-type: none"> Appropriate use or disposal of the building will be determined at time of decommissioning through consultation with the landowner.
Meteorological Towers and Microwave Tower	<ul style="list-style-type: none"> The towers will be removed unless otherwise requested by County of Essex, the Town of Lakeshore or local aviation groups (and agreed to by Belle River Wind) to have the meteorological towers remain in place. Once removed, the meteorological and microwave towers will be dismantled and components will be re-used, recycled or disposed of in the appropriate facilities. The concrete foundations will be removed completely or to a depth of approximately 1 m to allow for the reinstatement of previous land use.

5.3.2 Management of Waste and Excess Materials

5.3.2.1 Hazardous Materials

Machinery used to dismantle and remove Project components will require the use of oils, fuels and lubricants. In addition, waste lubricants will be recovered during the dismantling of Project components. These materials will be disposed of through conventional waste-oil and hazardous waste disposal streams in a manner outlined by regulatory agencies, if required at the time of decommissioning.

Any overhead collector lines that are required for the Project will be constructed on a wooden monopole structure. Belle River Wind will discuss the recycling of wooden poles with a licensed facility, which would likely involve stripping the chemically-treated exterior, disposing of this chemically-infused wood in a landfill, and re-milling the remaining wood core for alternative end uses.

5.3.2.2 Non-hazardous Materials

The major components of the wind turbines (tower, nacelle and blades) are modular items that allow for ease of construction and disassembly of the wind turbines during replacement or decommissioning. Dismantled wind turbines have a high salvage value due to the steel and copper components. These components are easily recyclable and there is a ready market for scrap metals. As well, transformers and transmission lines are typically designed for a 50 year lifespan as such these items could be refurbished and sold for re-use.



6. Wind Turbine Specifications Report Summary

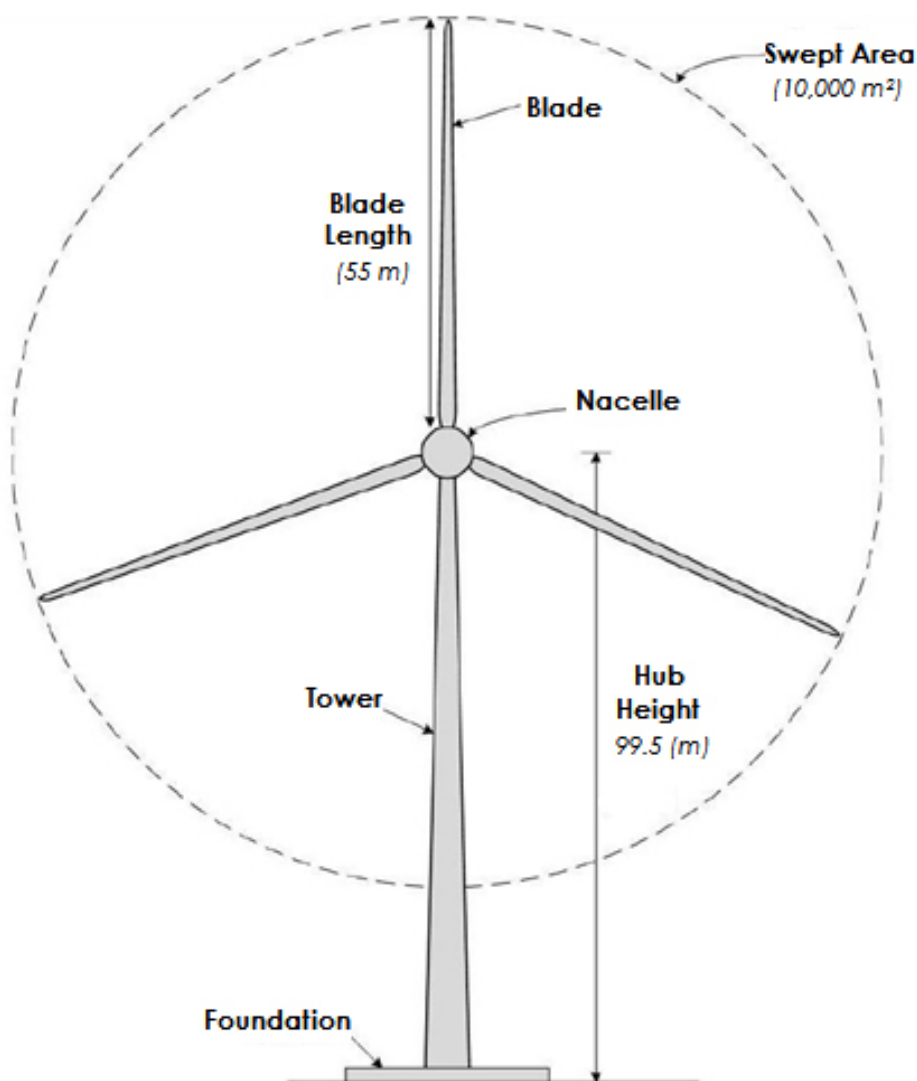
The following summarizes the Wind Turbine Specifications Report. The report describes the proposed wind turbines in detail.

6.1 Proposed Wind Turbines

The Project will use wind to generate electricity through a series of commercial wind turbines. **Figure 6-1** shows the proposed wind turbine technology for this Project: a Siemens SWT-3.2-113 or similar turbine

With a total nameplate capacity of 100 megawatts ("MW"), up to 44 turbines will be constructed. However, up to 50 turbines and associated infrastructure are being assessed for the Project.

Figure 6-1 Basic Wind Turbine Generator Specifications



*Not to scale

6.2 Turbine Components

The Siemens SWT-3.2-113 wind turbine is made up of four main components: the foundation, tower, nacelle (e.g., hub) and blades. **Table 6-1** below outlines the components of the Siemens SWT-3.2-113 wind turbine.

Table 6-1: Summary of Wind Turbine Components

Wind Turbine Generators	<i>Make and Model:</i>	Siemens SWT-3.2-113 or similar
	<i>Total Number Permitted:</i>	50 turbines
	<i>Approximate Number Constructed:</i>	44 turbines
	<i>Nominal Turbine Power:</i>	2.3 to 3.2 MW
	<i>Number of Blades:</i>	3
	<i>Blade Length:</i>	55 metres ("m")
	<i>Hub Height:</i>	99.5 m
	<i>Rotor Diameter:</i>	113 m
	<i>Cut-in Wind Speed:</i>	3 to 5 metres per second ("m/s")
	<i>Cut-out Wind Speed:</i>	32 m/s
	<i>Rated Wind Speed:</i>	12 to 13 m/s
	<i>Swept Area:</i>	10,000 metres squared ("m ² ")
	<i>Foundation Dimensions:</i>	20 m diameter

6.2.1 Turbine Blades

The three 55 m blades of the Siemens SWT-3.2-113 wind turbine will generate electricity between the wind speeds of 3 to 5 m/s (i.e., the cut-in wind speed) and 32 m/s (i.e., the cut-out wind speed) and will reach its nameplate capacity of 3.2 MW when wind speeds reach approximately 12 to 13 m/s.

6.2.2 Lightning Protection

The wind turbine is equipped with lightning protection to protect from the effects of direct and nearby strikes. Refer to **Appendix B** of the Wind Turbine Specification Report for more information on lightning protection and other technical specifications.

6.2.3 Nacelle

The nacelle is located at the top of the tower and includes most of the equipment used to convert wind energy into electricity. The nacelle also acts as a sound enclosure to reduce noise emissions. The nacelle will be mounted on a 99.5 m high tower which contains an internal personnel hoists and lifts for maintenance access.

6.2.4 Tower

The turbine tower is a 99.5 m high tubular steel tower and is approximately as tall as a 30 story building. A prefabricated power module is located at the bottom of the tower and provides the platform for the power converter. The turbine pad-mounted transformer will be located beside the tower base.

6.2.5 Foundation

The turbine will be constructed on a foundation that is approximately 20 m in diameter. The foundation consists of poured concrete and steel rebar to provide added strength.



7. Archaeological Assessment Report Summary

This section summarizes the Archaeological Assessment Reports prepared for the Project. A Stage 1 archaeological background study was conducted to determine the archaeological potential of the Belle River Wind PSA. The Ontario Ministry of Tourism, Culture and Sport (“MTCS”) recommended that a Stage 2 archaeological assessment be completed for all areas that may be impacted by the Project.

The Stage 2 archaeological assessment was conducted between the spring and winter of 2014. It examined portions of the study area that are proposed to be impacted by the Project, including turbine locations, access roads, substations, collector and transmission lines, operations and maintenance building, meteorological and microwave towers, and temporary staging areas. In some cases, entire parcels of land under option were also assessed. The areas assessed cumulatively represented approximately 1,183 hectares of land.

Locations that exhibit cultural heritage value or interest have been recommended for Stage 3 site-specific archaeological assessment. Details on the recommendations for each archaeological site, as well as the rationale for the recommendations pertaining to each site, are outlined in **Section 5.0** of the Stage 2 Archaeological Assessment Report.

7.1 Archaeological Potential

The following factors were examined to determine the potential for archaeological resources in the Project Study Area (PSA):

- Topography, soil conditions and proximity to water sources;
- Known sites already in the area; and
- Historical Documentation.

The archaeological potential for pre-contact Aboriginal sites within the study area is moderate to high. This determination was based on the presence of pre-contact Aboriginal sites in the vicinity of the study area, as well as the presence of nearby potable water sources and soils that are considered acceptable for pre-contact Aboriginal agricultural practices.

The archaeological potential for Euro-Canadian sites within the study area was deemed to be high based on documentation indicating occupation in the vicinity from the late 18th century onwards, as well as the presence of historic transportation routes. As a result, Stage 2 archaeological assessment was recommended for all areas that will be impacted by the proposed project.

7.1.1 *Previously Known Archaeological Sites*

A search of the Ontario Archaeological Sites Database (“OASD”) indicated that there are five registered pre-contact Aboriginal sites located within a 1 km radius of the study area. None of these sites are situated within 300 m of the study area. As a note, there was no mention of Euro - Canadian sites within 300 m of the study area.

7.2 Summary and Conclusions

In summary, the Stage 2 archaeological assessment resulted in the identification of 29 locations producing cultural material. Ten of the 29 archaeological locations identified within the study area were determined to exhibit cultural heritage value or interest and, as such, are recommended for Stage 3 site specific archaeological assessment. For further details on the recommendations for each archaeological site, as well as the rationale for the recommendation pertaining to each site, please refer to **Section 5.0** of the Stage 2 Archaeological Assessment report.



8. Heritage Impact Assessment Report Summary

This section summarizes the Heritage Impact Assessment (HIA) Report which determines whether the Project Location contains any built heritage resources or cultural heritage landscapes of significant cultural heritage value or interest. Research regarding the land use history of the study area was performed using primary and secondary sources and historic mapping. A field assessment was performed on October 2, 10, and November 24, 2014 to confirm the results.

8.1 Early Settlement and Crown Surveys

The Project Study Area (PSA) is located within the boundaries of the former Townships of Maidstone, Rochester and Tilbury West, in Essex County. The PSA is located within an area of Ontario that exhibits evidence of an extended period of human settlement dating back at least 11,000 years. The nature of this settlement as it pertains to the pre-contact Aboriginal period has been well documented in the Stage 1 Archaeological Assessment.

Permanent settlements were established along the present Canadian shore of the Detroit River, opposite the location of Fort Ponchartrain, Detroit, as early as 1747. Early settlers in the area were of French descent and were a combination of former soldiers directly from France and French Canadian fur traders.

Settlement by English, Irish, Scottish and German pioneers did not begin in these areas until the 1840s and 1850s. Settlement of Maidstone, Rochester and Tilbury West Townships was considered by local residents to be mostly complete by the late 19th century. The slow rate of settlement in the area has been attributed to the flat topography and poor natural drainage that the area exhibited.

8.2 Cultural Heritage Landscapes at the Project Location

The study area is a flat landscape with various land uses such as agricultural fields, pastures, woodlots and associated farmsteads. There are also small concentrations of non-farm residential areas located on severed agricultural properties, and modern road improvements.

The majority of the land is still being used for agricultural purposes, although the report does identify the presence of:

- Modern non-farm residences particularly along Belle River Road in the west portion of the study area;
- Municipal drains along road allowances;
- No visible evidence of rural industries such as sawmills;
- Visible features such as the abandoned Canada Southern rail line, as well as transmission corridors, oil wells, and solar panels; and
- Modern road improvements, including the Highway 401 and its overpasses.

8.3 Heritage Resources

Cultural heritage landscapes are defined as a geographical area that may have been modified by human activity and is identified as having cultural heritage value or interest by a community, including an Aboriginal community. The area may involve features such as structures, spaces, archaeological sites or natural elements that are valued together for their interrelationship, meaning, or association. Cultural heritage landscapes can also be comprised of entire communities and particular patterns of settlement, as well as more vernacular spaces including agricultural activities alongside urban developments.

A total of 15 sites with built heritage resources, including 14 residences and five barns or barn complexes were identified within the Project Location to be older than 40 years of age. Of these, nine resources (four houses and five barns) were identified to have potential cultural heritage value or interest.

None of the nine resources noted above were designated as protected sites. Due to the typical nature of the landscape, there are no anticipated impacts to the cultural heritage features, no further work is recommended.



9. Natural Heritage Assessment Report Summary

9.1 Records Review

A review of available background resources was completed to identify any potentially significant natural features within 120 m of the Project Location. This includes areas within 120 m of proposed turbines, measured from blade tip, as well as within 120 m of any areas that may be used for project activities, such as temporary lay-down areas, crane pads, access roads, and collection, distribution, and transmission lines.

Key sources for information about the Project Study Area (PSA) include:

- Ontario Ministry of Natural Resources and Forestry (MNRF)
- Canadian Wildlife Service (CWS)
- Bird Studies Canada (BSC)
- Essex Region Conservation Authority (ERCA)
- Essex County Official Plan
- Municipality of Lakeshore Official Plan
- Ministry of Natural Resources and Forestry, Natural Heritage Information Centre (NHIC) and Biodiversity Explorer
- Ontario Butterfly Atlas
- Ministry of Natural Resources, Land Information Ontario (LIO)
- Ontario Ministry of Northern Development and Mines (MNDM)
- Atlas of the Mammals of Ontario
- Ontario Reptile and Amphibian Atlas
- Ontario Breeding Bird Atlas (OBBA)
- Christmas Bird Count (CBC), Lakeshore Count Circle
- Bird Studies Canada, Important Bird Areas Canada

9.2 Site Investigations

Site investigations were conducted and included planning and undertaking field work, compiling records and reporting the results. This entails a physical investigation of the air, land and water within 120 m of the Project Location, and determines:

- If any additional natural features exist;
- If the mapped boundaries of the natural features are correct;
- The distance between the Project and nearby natural features; and
- The function, form and attributes of the natural features.

9.3 Evaluation of Significance

Using information from the records review and site investigation, observations were compared against Ministry of Natural Resources and Forestry (MNRF) accepted standards, guidelines and literature to make an informed decision about the overall value, or significance, of each natural feature within 120 m of the Project Location. Natural feature attributes that contribute to the evaluation of significance include:

- Presence of species of conservation concern;
- Presence and significance of wetlands;
- Significance of wildlife habitat; and,
- Presence and significance of woodlands.

9.4 Wetlands

During the site investigation, a total of 16 potentially significant wetlands were identified within the Project Study Area (PSA). The 16 wetlands identified in the PSA include individual wetlands, as well as wetland complexes, and range in size from less than 1 hectare (“ha”) to over 60 ha. The Project Location is within the boundaries of two wetlands. Directional drilling will be used to bore beneath these features in order to avoid impacts to the features themselves.

9.5 Significant Wildlife Habitat

For the purposes of this series of Natural Heritage Assessment reports, the discussion on wildlife habitat has been divided into four categories, these include:

- Seasonal concentration areas;
- Rare vegetation communities and specialized wildlife habitat;
- Habitats of species of conservation concern; and
- Animal movement corridors.

A total of 153 candidate⁴ Significant Wildlife Habitats (“SWH”) which may be affected by the operation of the Belle River Wind Project have been identified within 120 m of the Project Location. In addition, several additional wildlife habitats have been identified within 120 m of the Project Location where components will not have operational effects. These habitats have been identified as generalized candidate SWH.

A summary of the generalized candidate SWH that are found within the project area is provided in Table 16 of the Natural Heritage Site Investigations Report.

General mitigation measures include restoring temporary disturbance areas, sediment and erosion controls, and scheduling construction activities to lessen impacts.

9.6 Woodlands

Site investigations in and within the Belle River project area identified a total of 28 woodlands. Woodlands range in size from less than 1 ha to over 55 ha, and are primarily dominated by deciduous tree associations.

The proposed Project Location overlaps with two of these woodlands. Directional drilling will be used to bore beneath these features in order to avoid impacts to the features themselves.

9.7 Summary and Conclusions

Based on the implementation of the planned mitigation measures, monitoring programs and contingency plans, there is unlikely to be any significant impacts to natural heritage features, including wetlands, SWH or woodlands.

⁴ A “candidate” Significant Wildlife Habitat (SWH) is a natural heritage (Environmental) feature that has the potential to be “significant” but has not yet been confirmed through field studies.



10. Noise Impact Assessment Report

This section summarizes the information outlined in the Noise Impact Assessment Report including:

- An overview of how receptors are defined as per Ministry of Environment and Climate Change (MOECC) Noise Guidelines;
- The noise modelling that was conducted for the Project;
- Results of this modelling; and
- The predicted cumulative effects.

10.1 Noise Receptors

The MOECC Noise Guidelines generally define a Point of Reception (“PoR”) or Noise Receptor as a house, campground, church, school or other sensitive building that is not located on the same property as the wind farm. A Noise Receptor can also be located on a vacant lot that has a residence as a permitted use, and is known as a Vacant Lot Receptor (“VLR”).

10.2 Methodology / Noise Modelling

Noise modelling was used to ensure that noise levels meet the MOECC noise guidelines. The process followed four main steps:

1. **Identify PoRs:** Identify PoRs within 1,500 m of any turbine or substation. PoRs were identified using available aerial imagery and validated in the field.
2. **Determine Project Details:** Obtain the turbine specifications from the manufacturer and assess contributing factors including wind speed and the specific design and model of the wind turbine.
3. **Model the Noise Levels:** Incorporate the turbine and substation locations and sound power levels into a noise model to predict overall noise levels at each PoR.
4. **Adjust the Layout:** Adjust turbine locations during modelling to minimize noise levels at identified receptors.

10.3 Results

There are 1,162 receptors located within 1,500 m of a Project wind turbine or the substation, among which 353 are VLRs. Of those, 46 receptors have Project infrastructure on their property and are therefore not considered in the assessment.

The results of the Noise Impact Assessment show that the Project complies with the Provincial Noise Guidelines. For additional information, noise maps illustrating the maximum noise contribution of the Project are shown in **Appendix A** of the Noise Impact Assessment Report.

10.4 Cumulative Impacts

All other planned wind projects within 5 km of the Project must be considered in the Noise Impact Assessment report, in accordance with Ontario Regulation ("O. Reg.") 359/09. Noise emissions from three adjacent wind farms have been considered in this analysis. These facilities include:

- Comber Wind Farm – 171 receptors within 1,500 m of the Project (substation located adjacent to the proposed Project);
- Pointe-Aux-Roches Wind Farm – 288 receptors within 1,500 m of the Project (substation located adjacent to the proposed Project); and
- Gracey Wind Farm (no shared receptors).

The cumulative impacts of these facilities were considered in the Noise Impact Assessment Report and all PoR for the Project are in compliance with MOECC Noise Guidelines.



11. Report Viewing Locations

The reports summarized in this document can be found at the following locations as of March 20, 2015.

Essex County Library
Lakeshore Branch
447 Renaud Line Road
Belle River, ON

Town of Lakeshore – Clerk's Office
419 Notre Dame Street
Belle River, ON

County of Essex
360 Fairview Avenue West
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