



# **Cedar Point II Wind Energy Centre**

## **Community Liaison Committee Meeting #6**

**April 12, 2018**

**6:30 – 8:30 p.m.**

**Royal Canadian Legion Branch 176**

**58 Albert St, Forest, ON**

# Welcome

## Agenda

- **Meeting goals and commitments**
- **Company and team introductions**
- **Cedar Point II Wind, LP and CLC Updates**
- **Post Construction Monitoring**
  - Bird and Bat PCM
  - Acoustic Audits
- **Community Contributions**
- **Contacts / Inquiries**



# Welcome

## Meeting Overview

- **Meeting commitments**
  - On time
  - Respectful
  - Participation
    - Right
    - Responsibility
  - One speaker at time
  - Focused on Cedar Point II
- **Meeting goal**
  - Share project update and collect feedback from the community
- **The CLC team**



## Meet the team

### Community Liaison Committee and Subject Matter Experts

- CLC Members: **Sandra deJong, Monica Douglas, Ed Vanderaa, Joseph Zanyk, Joanne Moore**
- **Charlotte Teat**, Terrestrial and Wetland Biologist, Natural Resources Solutions Inc. (NRSI)
- **Allan Munro**, Acoustician, Aercoustics
- **Akhil Chhabra**, Business Management, NextEra Energy Canada
- **Tara Tyson**, Communications, NextEra Energy Canada
- **Bryan Garner**, Communications, NextEra Energy Canada
- **Jason Seelmann**, Claims, NextEra Energy Canada
- **Jamie Long**, Claims, NextEra Energy Canada
- **Dennis Desloges**, Wind Operations, NextEra Energy Resources
- **Derek Dudek**, Environmental, NextEra Energy Resources
- **Curt Hammond**, Meeting facilitator, Pearl Street Communications

**The Cedar Point II Wind Community Liaison Committee (CLC) is a forum for the exchange of information between Cedar Point II Wind and representatives from the community.**

## **Purpose of the Community Liaison Committee**

- **The CLC will focus on issues and communications related to the construction, installation, use, operation, maintenance and retirement of the Cedar Point II Wind Energy Centre**
- **All CLC documentation can be reviewed online at <http://www.nexteraenergycanada.com/projects/cedarpoint2.shtml> including minutes from these meetings and any other working sessions**
- **We will continue to engage with community leaders and interested parties throughout the course of the project's operation as we do for all of our facilities in Ontario**

# Who we are

## NextEra Energy Canada, LP

- NextEra Energy Canada, LP is an indirect, wholly-owned subsidiary of NextEra Energy Resources, LLC
- We have a portfolio of 15 renewable energy assets in four provinces – Alberta, Nova Scotia, Ontario and Quebec
- Corporate Values
  - Commitment to Excellence
  - Treat People with Respect
  - Do the Right Thing

# Project Updates

## Sale to Fiera Infrastructure

- In Jan. 2017, Suncor sold their share of the Cedar Point II Wind Energy Center to Fiera Infrastructure
- NextEra Energy Canada's share in the project has not changed
- NextEra Energy Canada is now handling all of the project management and operations for the project, including community engagement

## Project Updates

### Tree removal investigation - replanting and remediation

- **Two year intensive monitoring, followed by one-three years of less frequent monitoring, based on results**
- **2016 planting and monitoring: successful, minimal loss, no required additional plantings**
- **2017 monitoring: successful, minimal loss, dense ground vegetation layer established, no required additional plantings**
- **Future monitoring will occur for up to three years or until monitoring establishes that the edge areas have successfully regenerated and stabilized**

# Thresholds for birds, bats, and raptors were not exceeded in 2017

## Bird and Bat Monitoring

- Monitoring is conducted in accordance with requirements of the REA and MNRF Guidelines and is required for a minimum of 3 years
- The second year of mortality monitoring began May 1, 2017
- Turbine searches occur twice-weekly from May 1 through Oct. 31, and raptor surveys occur weekly from Nov. 1 through Nov. 30
- Correction factors are applied in order to calculate overall estimated mortality rates across the project
- Raptor mortalities were exceeded in 2016 (1<sup>st</sup> year) which initiated raptor behavioural monitoring in 2017 and 2018 (reporting due after 2018 monitoring)
- An annual report is provided to MNRF by Feb. 28 following each year of monitoring, and public summaries are available on NextEra Energy Canada's website in early March

# Brief overview of sound monitoring findings

## Sound Monitoring

- **Immission audit:**
  - 1<sup>st</sup> and 2<sup>nd</sup> audits completed
  - Deemed complete by MOECC in July 2017; currently undergoing detailed review for confirmation of compliance
- **Emission audit:**
  - All three completed in early 2017
  - MOECC revised rules requiring re-submission in Nov. 2017
  - Currently undergoing detailed review for confirmation of compliance
- **Transformer substation audit:**
  - Approved by MOECC Aug. 2016

# All receptors demonstrate compliance with the REA limits at all wind speeds

## Immission Audits

- Acoustic measurements at five points of reception confirms sound levels at the receptors against the REA limits
- Completed over two separate occasions (e.g. Spring and Fall)

Receptor/Nearest Turbine	Wind Speed			
	4	5	6	7
M1587 / CP215	36 / 35	37 / 34	37 / 39	41 / 42
M1395 / CP241	37 / 35	37 / 38	38 / 39	43 / 43
M1414 / CP228	36 / 32	36 / 35	38 / 39	40 / 43
M96 / CP244	38 / 34	39 / 35	39 / 39	41 / 42
M130 / CP241	38 / 37	40 / 37	39 / 36	40 / 43
<b>REA Limit</b>	<b>40.0</b>	<b>40.0</b>	<b>40.0</b>	<b>43.0</b>

# Turbine demonstrates compliance with the REA limits at all wind speeds

## Emission Audits

- Acoustic measurement of the sound produced by wind turbines
- Measurements performed on three different turbines, each with a different generating capacity
- Maximum sound level must be below the REA limits + 0.5 dBA
- Three audits are complete

### Results of completed audit:

Source	Results					REA Max Sound Power Level (dBA)
	5 m/s	6 m/s	7 m/s	8 m/s	9 m/s	
T209 (2.03MW)	100.9	102.1	101.7	101.9	102.0	<b>102</b>
T226 (2.126MW)	101.9	103.0	102.1	101.8	102.4	<b>103</b>
T244 (2.221MW)	101.3	103.4	103.1	103.0	103.0	<b>104</b>

# Transformer substation demonstrates compliance with the REA limits

## Transformer Substation Audit

- Acoustic audit was completed on Sept. 17, 2015
- Audit report has been submitted to the MOECC and was subsequently approved on August 3, 2016

### Results of the completed audit:

Octave Band	31.5	63	125	250	500	1000	2000	4000	8000	Total
Sound Power Level (dB)	93	95	102	98	98	88	84	74	66	97
REA Limit	-	106.2	108.2	103.2	103.2	97.2	92.2	87.2	80.2	103.6

# NextEra Energy Canada has established a \$25,000 Community Benefit Grant

## Community Benefits Grant

- At NextEra Energy Canada, we believe in building strong partnerships and supporting the communities we serve
- The Cedar Point II community benefits grant process is one way that the project can have a positive impact within our host communities



# Contact information and inquiries

## [Online at NextEraEnergyCanada.com](http://NextEraEnergyCanada.com)

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**Contact Us**

General inquiries will be answered within three business days. All inquiries that may involve research will be answered within 10 business days.

\* Required fields

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\* **E-mail:**

\* **Phone Number:** (  )  -

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**Canada**

**Phone**  
416-364-9714 - Main  
877-257-7330 - Toll Free

For public enquiries or concerns, please call our 24-hour number at 1-877-463-4963.

**Write**  
Please include your name, address and phone number on all written correspondence.

NextEra Energy Canada, LP  
Attention: (Please indicate your area of interest, e.g. Employment, Purchasing, etc.)  
390 Bay Street, Suite 1720  
Toronto, ON M5H 2Y2

**United States**

# Contact information and inquiries

## Landowners

- **Landowner Hotline: 1-855-552-9872**
- **Property Tax Information**
  - Plympton Wyoming bills us directly for wind turbine taxes (Landowner just needs to deduct “JTN” portion when paying their taxes to the municipality)
  - Lambton Shores and Warwick require landowner to pay directly
    - For reimbursement send your tax statements by email to [Cedar-Point-II-Wind@NexteraEnergy.com](mailto:Cedar-Point-II-Wind@NexteraEnergy.com) or by fax to 561-304-5372

# Contact information and inquiries

## Where to get information about the project



Website:

<http://www.nexteraenergycanada.com/projects/cedarpoint2.shtml>



General Inquiries:

1-877-463-4963

Media:

561-694-4442



Email:

[Cedar-Point-II-Wind@NexteraEnergy.com](mailto:Cedar-Point-II-Wind@NexteraEnergy.com)



THANK YOU!

