

# Cedar Point II LP

April 18, 2019

Mohsen Keyvani, Director  
Ministry of the Environment and Climate Change  
Environmental Approvals Branch  
2 St. Clair Avenue West, Floor 12A  
Toronto, ON  
M4V 1L5

Sean Morrison, District Manager  
Ministry of the Environment and Climate Change  
1094 London Rd  
Sarnia, ON  
N7S 1P1

## **Modification Report – Amendment to REA Number 6914-95L5JBB for Updating Ownership of Parkhill Interconnect and Jericho Transmission Facilities**

Dear Mr. Keyvani,

Cedar Point II LP (“CPII”) received a Renewable Energy Approval (“REA”) from the Ministry of the Environment and Climate Change on August 22, 2014 for the Cedar Point II Wind Power Project (the “Project”) (REA No. 6914-95L5JBB). The Project consists of 46 wind turbine generators, access roads, underground cabling, a 115kV overhead transmission line, and the Jericho Transmission Facilities and Parkhill Interconnect described below; and has a total name plate capacity of approximately 100-megawatts. CPII submits this modification report in support of an REA amendment application for the following change:

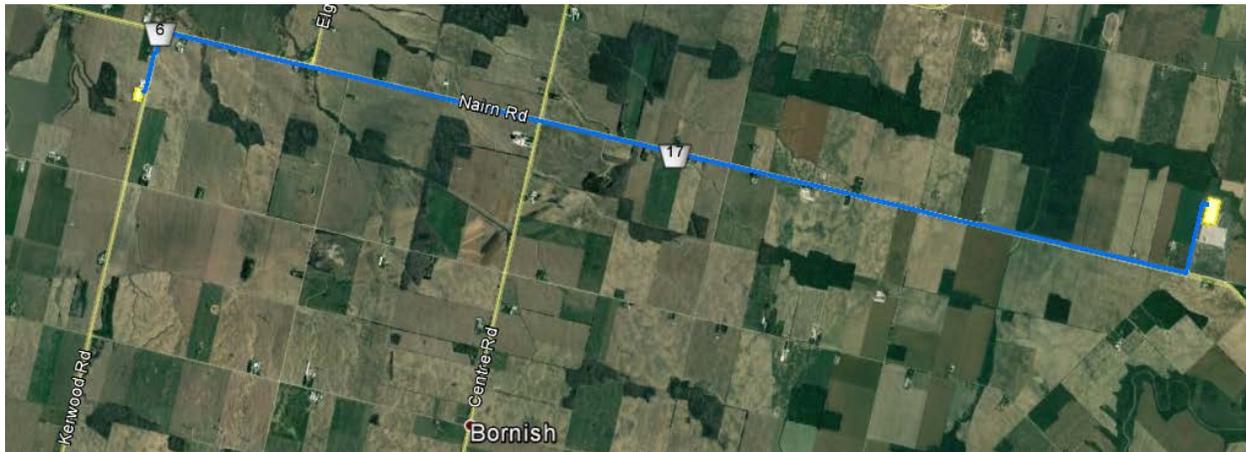
- Amending the REA to confirm joint ownership of the existing Parkhill Interconnect by Cedar Point II LP, Jericho Wind LP, Bornish Wind LP, and Kerwood Wind LP; and joint ownership of the Jericho transmission facilities by Cedar Point II LP and Jericho Wind LP. The current REA does not include CPII as a part owner of the Parkhill Interconnect or the Jericho Transmission Facilities;
- Amending the REA to list the Parkhill Interconnect and Jericho Transmission Facilities as part of the Project Facility Description.

The location of the Parkhill Interconnect (**Figure 1**) is on Kerwood Road (Middlesex County Rd 6), Elginfield Road (Middlesex County Road 7), and Nairn Road (Middlesex County Rd 17) and private property located at 26830 Nairn Road (CON 17 PT LOT 18 RP 33R18747 PARTS 1 AND 10). The Parkhill Interconnect is defined as such: includes associated ancillary equipment, systems and technologies including two (2) 225 mega-volt-ampere (MVA) transformer substation, on-site access roads, underground cabling and overhead transmission lines.

The location of the Jericho Transmission Facilities (**Figure 2**) includes private property located at Pt Lot 16, Concession 7, former Twp of Bosanquet); a mixture of private easements and public right-of-way along Thompson Line (Lambton County Rd 6) and Elginfield Road (Middlesex County Road 7); and private property located at the southwest intersection of Elginfield Road and Kerwood Road. The Jericho Transmission Facilities is described as a substation including “an isolation switch, a circuit breaker, a step-up transformer, transmission switch gear, control housing, instrument transformers, grounding and metering equipment”; and also includes “a 115kV transmission line” from the Jericho transformer substation to the Bornish switchyard.

# Cedar Point II LP

**Figure 1 – Parkhill Interconnect**



**Figure 2 – Jericho Transmission Facilities**



## Proposed Project Modifications

The proposed modifications are to list the existing Parkhill Interconnect and Jericho Transmission Facilities as part of the Facility Description, and to list Cedar Point II as a joint owner of these facilities. As such, this is solely a change with respect to ownership of existing shared facilities and there is no change to Project Location; no change to the noise assessment of the Project; and no impacts on archaeological, cultural, or natural heritage resources. As such, there are no new studies required. CPII is of the understanding that an administrative amendment is warranted in order to modify any necessary reports to indicate that the Parkhill Interconnect and Jericho Transmission Facilities are now part of the Project, and partly owned by Cedar Point II. The proposed project modifications are summarized in Table 1, which documents the following:

- A description of the modification and rationale for the proposed modification; and
- That there are no new potential environmental effects and corresponding mitigation measures.

**Table 1: Summary of Project Modification**

Approved Commitment	Proposed Modification and Details	Rationale for Proposed Modification	New Potential Environmental Effects	New Mitigation Measures and/or Monitoring Requirements
No specific mention of Parkhill	List Parkhill Interconnect and	CPII is now part owner of the Parkhill	None. The Parkhill Interconnect and	None.

# Cedar Point II LP

<p>Interconnect or Jericho Transmission Facilities as part of the Facility Description in Schedule A of the REA.</p> <p>No specific mention of Cedar Point II LP as a part owner of the Parkhill Interconnect and Jericho Transmission Facilities as described in parts of the reports forming part of the REA.</p>	<p>Jericho Transmission Facilities as part of the Facility Description in the REA and any applicable parts of the application that form part of the REA.</p>	<p>Interconnect and Jericho Transmission Facilities.</p>	<p>Jericho Transmission Facilities are existing facilities and the proposed amendment is only intended to clarify the new ownership.</p>	
---	--	--	--	--

## Edits to Renewable Energy Approval

The below information documents the edits to the Renewable Energy Approval document.

- Definitions – modify Definition 1 by adding the following at the end of the existing sentence:

*and "Parkhill Interconnect-Noise Impact Assessment", dated April 2, 2013, prepared by GL Garrad Hassan Canada Inc. and signed by Aren Nercessian*

- Definitions – modify Definition 23 by adding the following after the word “substation” and before the word “identified”:

*one (1) transformer substation at the shared Jericho Transmission Facilities, and two (2) transformer substations in the shared Parkhill Interconnect location,*

- Schedule A – New Text:

*(c) Parkhill interconnect: associated ancillary equipment, systems and technologies including two (2) 225 mega-volt-ampere (MVA) transformer substation, on-site access roads, underground cabling and overhead transmission lines;*

*(d) Jericho Transmission Facilities: associated ancillary equipment, systems and technologies including one (1) 150 mega-volt-ampere (MVA) transformer substation, on-site access roads, underground cabling and overhead distribution lines.*

- Schedule B – New Rows in Table B1:

Jericho Trans	103.8	427,098	4,777,771	150MVA Transformer Substation, see Table B3
Parkhill T1	105.8	452,735	4,774,658	225 mega-volt-ampere (MVA)- See Table B3
Parkhill T2	105.8	452,777	4,774,648	225 mega-volt-ampere (MVA)- See Table B3

- Schedule B – New Table:

# Cedar Point II LP

Table B3: Maximum Sound Power Level spectrum (dBA) of the 225 mega-volt-amperes (MVA) Transformer Substation including 5dB tonal penalty

	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Jericho 150 MVA transformer	106.4	108.4	103.4	103.4	97.4	92.4	87.4	80.4
Parkhill T1 Parkhill T2 Sound Power Level (dBA)	82.2	94.3	96.8	102.2	99.4	95.6	90.4	81.3

6. Schedule C – New Text:

*Jericho wind farm:*

*One (1) 42 metres long, 7 metres high, three sided acoustic barrier, positioned as per Figure 1 of the Acoustic Assessment Report. The acoustic barrier shall be continuous without holes, gaps and other penetrations, and having a surface mass density of at least 20 kilograms per square metres.*

*Parkhill Interconnect Substation:*

*Two (2) 28 metres long and 5.5 metres high acoustic barriers, positioned as per Figure entitled "Noise Map" of the Acoustic Assessment Report. The acoustic barriers shall be continuous without holes, gaps and other penetrations, and having a surface mass at least 20 kilograms per square metres.*

## Edits to the Project Description Report

Table 2 illustrates the changes to the Project Description Report from the modifications outlined in Table 1.

Section / Page	Original Text	New/Revised Text
Section 1.1, 3 <sup>rd</sup> paragraph / pg 1.1	The Cedar Point Wind Power Project is to supply electricity to the Provincial Grid at a connection point on a 500 kV circuit which spans between the Bruce Power nuclear facility and London, ON. In addition to the Cedar Point Wind Power Project transmission facility, the power generated by the project will be transported through a transmission facility owned by Jericho Wind, Inc. and a shared transmission facility jointly owned by Jericho Wind, Inc. (Jericho Wind Energy Centre), Kerwood Wind, Inc. (Adelaide Wind Energy Centre) and Bornish Wind, LP (Bornish Wind Energy Centre). The transmission facility owned by Jericho Wind, Inc. is to be permitted, designed, and constructed by Jericho Wind, Inc. Similarly, the shared transmission facility is to be permitted, designed, and constructed by its	The Cedar Point Wind Power Project is to supply electricity to the Provincial Grid at a connection point on a 500 kV circuit which spans between the Bruce Power nuclear facility and London, ON. In addition to the Cedar Point Wind Power Project transmission facility, the power generated by the project will be transported through a transmission facility <b>jointly</b> owned by Jericho Wind, Inc. <b>and Cedar Point II LP;</b> and a shared transmission facility jointly owned by Jericho Wind, Inc. (Jericho Wind Energy Centre), <b>Cedar Point II LP (Cedar Point Wind Power Project),</b> Kerwood Wind, Inc. (Adelaide Wind Energy Centre) and Bornish Wind, LP (Bornish Wind Energy Centre). The transmission facility owned by Jericho Wind, Inc. <b>and Cedar Point II LP</b> is to be permitted, designed, and constructed by Jericho Wind, Inc. Similarly, the shared

# Cedar Point II LP

	<p>owners. For additional details regarding the transmission facilities owned by Jericho Wind, Inc., Kerwood Wind, Inc., and Bornish Wind, LP, please visit the following website (<a href="http://www.nexteraenergycanada.com">www.nexteraenergycanada.com</a>) and refer to REA documentation for the proposed Jericho Wind Energy Centre.</p>	<p>transmission facility is to be permitted, designed, and constructed by its owners. For additional details regarding the transmission facilities owned by Jericho Wind, Inc., <b><u>Cedar Point II LP</u></b>, Kerwood Wind, Inc., and Bornish Wind, LP, please visit the following website (<a href="http://www.nexteraenergycanada.com">www.nexteraenergycanada.com</a>) and refer to REA documentation for the proposed Jericho Wind Energy Centre.</p>
--	--	--

## Edits to the Construction Plan Report

Table 3 illustrates the changes to the Project Description Report from the modifications outlined in Table 1.

<b>Table 3 – Edits to the Construction Plan Report</b>		
Section / Page	Original Text	New/Revised Text
Section 1.1, 1 <sup>st</sup> paragraph / pg 1.2	<p>The Cedar Point Wind Power Project is to supply electricity to the Provincial Grid at a connection point on a 500 kV circuit which spans between the Bruce Power nuclear facility and London, ON. In addition to the Cedar Point Wind Power Project transmission facility, the power generated by the project will be transported through a transmission facility owned by Jericho Wind, Inc. and a shared transmission facility jointly owned by Jericho Wind, Inc. (Jericho Wind Energy Centre), Kerwood Wind, Inc. (Adelaide Wind Energy Centre) and Bornish Wind, LP (Bornish Wind Energy Centre). The transmission facility owned by Jericho Wind, Inc. is to be permitted, designed, and constructed by Jericho Wind, Inc. Similarly, the shared transmission facility is to be permitted, designed, and constructed by its owners. For additional details regarding the transmission facilities owned by Jericho Wind, Inc., Kerwood Wind, Inc., and Bornish Wind, LP, please visit the following website (<a href="http://www.nexteraenergycanada.com">www.nexteraenergycanada.com</a>) and refer to REA documentation for the proposed Jericho Wind Energy Centre.</p>	<p>The Cedar Point Wind Power Project is to supply electricity to the Provincial Grid at a connection point on a 500 kV circuit which spans between the Bruce Power nuclear facility and London, ON. In addition to the Cedar Point Wind Power Project transmission facility, the power generated by the project will be transported through a transmission facility <b><u>jointly</u></b> owned by Jericho Wind, Inc. <b><u>and Cedar Point II LP</u></b>; and a shared transmission facility jointly owned by Jericho Wind, Inc. (Jericho Wind Energy Centre), <b><u>Cedar Point II LP (Cedar Point Wind Power Project)</u></b>, Kerwood Wind, Inc. (Adelaide Wind Energy Centre) and Bornish Wind, LP (Bornish Wind Energy Centre). The transmission facility owned by Jericho Wind, Inc. <b><u>and Cedar Point II LP</u></b> is to be permitted, designed, and constructed by Jericho Wind, Inc. Similarly, the shared transmission facility is to be permitted, designed, and constructed by its owners. For additional details regarding the transmission facilities owned by Jericho Wind, Inc., <b><u>Cedar Point II LP</u></b>, Kerwood Wind, Inc., and Bornish Wind, LP, please visit the following website (<a href="http://www.nexteraenergycanada.com">www.nexteraenergycanada.com</a>) and refer to REA documentation for the proposed Jericho Wind Energy Centre.</p>

## Edits to the Design and Operations Report

Table 4 illustrates the changes to the Design and Operations Report from the modifications outlined in Table 1.

# Cedar Point II LP

**Table 4 – Edits to the Design and Operations Report**

Section / Page	Original Text	New/Revised Text
<p>Section 1.0 Overview, 4<sup>th</sup> paragraph / pg 1.1</p>	<p>The Cedar Point Wind Power Project is to supply electricity to the Provincial Grid at a connection point on a 500 kV circuit which spans between the Bruce Power nuclear facility and London, ON. In addition to the Cedar Point Wind Power Project transmission facility, the power generated by the project will be transported through a transmission facility owned by Jericho Wind, Inc. and a shared transmission facility jointly owned by Jericho Wind, Inc. (Jericho Wind Energy Centre), Kerwood Wind, Inc. (Adelaide Wind Energy Centre) and Bornish Wind, LP (Bornish Wind Energy Centre). The transmission facility owned by Jericho Wind, Inc. is to be permitted, designed, and constructed by Jericho Wind, Inc. Similarly, the shared transmission facility is to be permitted, designed, and constructed by its owners. For additional details regarding the transmission facilities owned by Jericho Wind, Inc., Kerwood Wind, Inc., and Bornish Wind, LP, please visit the following website (<a href="http://www.nexteraenergycanada.com">www.nexteraenergycanada.com</a>) and refer to REA documentation for the proposed Jericho Wind Energy Centre.</p>	<p>The Cedar Point Wind Power Project is to supply electricity to the Provincial Grid at a connection point on a 500 kV circuit which spans between the Bruce Power nuclear facility and London, ON. In addition to the Cedar Point Wind Power Project transmission facility, the power generated by the project will be transported through a transmission facility owned by Jericho Wind, Inc. <b><u>and Cedar Point II LP;</u></b> and a shared transmission facility jointly owned by Jericho Wind, Inc. (Jericho Wind Energy Centre), <b><u>Cedar Point II LP (Cedar Point Wind Power Project)</u></b> Kerwood Wind, Inc. (Adelaide Wind Energy Centre) and Bornish Wind, LP (Bornish Wind Energy Centre). The transmission facility owned by Jericho Wind, Inc. <b><u>and Cedar Point II LP</u></b> is to be permitted, designed, and constructed by Jericho Wind, Inc. Similarly, the shared transmission facility is to be permitted, designed, and constructed by its owners. For additional details regarding the transmission facilities owned by Jericho Wind, Inc., <b><u>Cedar Point II LP,</u></b> Kerwood Wind, Inc., and Bornish Wind, LP, please visit the following website (<a href="http://www.nexteraenergycanada.com">www.nexteraenergycanada.com</a>) and refer to REA documentation for the proposed Jericho Wind Energy Centre.</p>

## Conclusion

The modification described in the REA amendment request solely relates to a change of ownership related to existing shared facilities and does not change the overall conclusion of the REA and supporting application reports which states that the Project can be constructed, installed, operated and decommissioned without any significant adverse residual effects.

If you have any questions or require further details please do not hesitate to contact the undersigned.

Sincerely,

**CEDAR POINT II LP**



Derek Dudek, MCIP, RPP  
Senior Environmental Specialist, Canada  
Email: [derek.dudek@nexteraenergy.com](mailto:derek.dudek@nexteraenergy.com)