

NextEra Energy Canada, ULC

Amendment to the Natural Heritage Assessment and Environmental Impact Study - Summerhaven Wind Energy Centre

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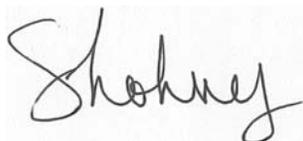
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1. Introduction

1.1 Description of Project Change

A new access road will be constructed on Lot 2, Concession 11, to connect Concession Road 3 to Turbine 42 to the south (Figure 1). A portion of the disturbance area for the access road between Turbine 40 and Turbine 41 is also proposed to be widened. No other changes will be made to the Project Location or infrastructure.

1.2 Rationale for Project Change

The construction of the new access road will allow access to five turbines currently accessed from Concession Road 2. The access road from Concession 2 is undergoing Stage 4 archaeological excavations and has been delayed due to the late spring, and subsequent flood conditions. Constructing the new access road will allow construction to begin at the five turbine locations and will allow the project to proceed according to schedule.

The widening of a portion of the access road disturbance area between Turbine 40 and Turbine 41 will allow for the wider turning radius required for turbine delivery.

2. Amendments to the Records Review

There are no changes to the Records Review as a result of these changes. The proposed access road is located immediately south of an existing collection line and north of Turbine 42. This area was part of the original REA submission and was evaluated in the NHA completed in May, 2011 (Golder, 2011). Similarly, the area within 120m of the widened access road disturbance area between Turbine 40 and Turbine 41 was evaluated in the NHA completed in May, 2011.

3. Amendments to the Site Investigation

No natural features are found within 120m of the proposed access road north of Turbine 42, as described in Table 1.

Table 1. Natural Features within 120m of new Access Road to Turbine 42

Natural Feature Type	Natural Feature ID	Location Details	Description of Feature from REA Reports	Source	Comments from Site Visit, April 11, 2013
Mapped Drainage Feature	190	North of Concession 3, within 120m of access road to Turbine 42	<ul style="list-style-type: none"> Does not meet O. Reg. 359/09 definition of "water body". Watercourse ploughed. 	Waterbodies Assessment Report, Golder, 2011.	
Man-made Pond	191	North of Concession 3, east of access road entrance, within 120m of access road to Turbine 42	<ul style="list-style-type: none"> Does not meet O. Reg. 359/09 definition of "water body". Man-made pond. 	Waterbodies Assessment Report, Golder, 2011.	Used for agricultural purposes, no natural vegetation, no exposed mineral soils
Man-made Pond	193	South of Concession 3, east of access road entrance, within 120m of access road to Turbine 42	<ul style="list-style-type: none"> Does not meet O. Reg. 359/09 definition of "water body". Man-made pond. 	Waterbodies Assessment Report, Golder, 2011.	Used for agricultural purposes, no natural vegetation, no exposed mineral soils
Man-Made Pond	356	South of Concession 3, west of access road	<ul style="list-style-type: none"> Does not meet O. Reg. 359/09 definition of "water body". 	Site visit April 11, 2013.	Used for agriculture purposes, no natural

		entrance, within 120m of access road to Turbine 42	<ul style="list-style-type: none"> Man-made pond. 		vegetation, no exposed mineral soils
Hedgerow Trees	None	North of Turbine 42, two on the west of proposed access road, one on the east of proposed access road.	<ul style="list-style-type: none"> Stand of three mature trees, species unconfirmed. One tree visible on the aerial within the footprint of the access road is not present. 	Site visit April 11, 2013.	

A significant woodland is within 120m of the proposed widening of the access road disturbance area between Turbine 40 and Turbine 41, as described in Table 2.

Table 2. Natural Features within 120m of disturbance area for Access Road between Turbine 40 and Turbine 41

Natural Feature Type	Natural Feature ID	Location Details	Description of Feature from REA Reports	Source	Comments from Site Visit
Significant Woodland	108	<ul style="list-style-type: none"> Closest infrastructure is Turbine 39, and Turbine 40 access road and underground cable. 	<ul style="list-style-type: none"> FOD 9-4: Fresh-Moist Shagbark Hickory Deciduous Forest Type 	Natural Heritage Assessment Report (Golder, 2011)	<ul style="list-style-type: none"> This natural feature is dominated by shagbark hickory, red oak, white ash and sugar maple. The understory contained American beech, blue beech with jewelweed and wild geranium in the ground layer. This 17.8 ha feature contains mature interior forest and a diversity of microhabitat types. Ephemeral pooling is present, which may provide amphibian breeding habitat, but the water did not persist into July. Monarch and leopard frog were observed, but not in large numbers.

A site visit was completed on April 11, 2013 to confirm that site conditions had not changed since the NHA was completed, and it was confirmed that no new candidate natural features exist within 120m of either of the proposed access road changes.



4. Amendments to the Evaluation of Significance and Environmental Impact Study

Although one significant natural feature is located within 120 m of the widened access road between Turbine 40 and Turbine 41, there is no change to the Evaluation of Significance and Environmental Impact Study already prepared for this project as the widening will occur to the south of the access road away from the natural feature.

Best Management Practices (BMPs) will be used during the construction of the access road as described in the Construction Plan Report (Golder, 2010).