

NextEra Energy Canada, ULC

## **Addendum to the Water Assessment and Water Body Report –Summerhaven Wind Energy Centre**

**Prepared by:**

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## Glossary of Terms

NextEra ..... NextEra Energy Canada, ULC  
The Project..... Summerhaven Wind Energy Centre  
REA..... Renewable Energy Approval

# 1. Introduction

Summerhaven Wind, LP (Summerhaven) a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra), is constructing a wind energy project in the vicinity of the community of Nanticoke, in Haldimand County, Ontario. The Project received a Renewable Energy Approval (REA) from the Ministry of the Environment on March 16, 2012 and a subsequent amendment approval on January 2, 2013. The following sections of this Addendum Report describe the proposed modifications to the Project and resulting changes to the originally approved Water Assessment and Water Body Report.

## 1.1 The Proponent

The Project will be owned and operated by Summerhaven Wind, LP, a subsidiary of NextEra. NextEra’s indirect parent company is NextEra Energy Resources, LLC. The proponent has not changed from the initial REA submission.

The primary contacts for the Project are as follows:

Project Proponent	Project Consultant
Thomas Bird Environmental Services Project Manager 390 Bay Street, Suite 1720 Toronto, Ontario, M5H 2Y2  Phone:.....416-364-9714 Email: .....thomas.bird@nexteraenergy.com Website: ..www.NextEraEnergyCanada.com	Marc Rose Senior Environmental Planner AECOM 300-300 Town Centre Blvd. Markham, Ontario L3R 5Z6  Phone: .....905-477-8400 x388 Email:.....marc.rose@aecom.com

## 1.2 Project Study Area

The proposed Project is located in the vicinity of the community of Nanticoke, in Haldimand County, Ontario. The Project Study Area has not changed from the original REA submission.

## 2. Proposed Project Modifications

The proposed modifications to the Project include constructing a new access road on Lot 2, Concession 11, from Concession Road 3 south to Turbine 42 and widening a portion of the disturbance area for the access road between Turbine 40 and Turbine 41. No other changes will be made to the Project location or infrastructure.

The proposed Project modifications are summarized in **Table 2-1** which documents the following about each proposed modification:

1. A description of the modification and a rationale for the proposed modification; and
2. New potential environmental effects and corresponding mitigation measures.

**Figure 2-1** illustrates the proposed modifications.

**Table 2-1 Summary of Project Modifications**

Label on Figure 2-1	Proposed Modification	Rationale for Proposed Modification	New Potential Environmental Effects	New Mitigation Measures
A	Construction of a new access road on Lot 2, Concession 11, from Concession Road 3 south to Turbine 42.	To allow for construction of five turbine locations (Turbine 38 to 42) to proceed while Stage 4 archaeological excavations on the original access road to the south of the turbine locations are completed.	None – no new natural heritage or water body features within 120 m; area previously studied for archaeology and cultural heritage.	N/A
B	Widening the disturbance area on the access road between Turbine 40 and Turbine 41.	To allow for a wider turning radius for turbine delivery.	<p>Natural Heritage:</p> <ul style="list-style-type: none"> <li>Access road proposed is within 120m of a previously identified and studied significant woodland.</li> </ul> <p>There is no change to the Evaluation of Significance and Environmental Impact Study previously prepared for this Project as the widening will occur to the south of the access road, away from the significant woodland.</p> <p>No new water body features within 120 m; area previously studied for archaeology and cultural heritage.</p>	No new mitigation measures are required.



### 3. Edits to the Water Assessment and Water Body Report

**Table 3-1** documents the edits to the Water Assessment and Water Body Report resulting from the modifications described above. The edits identified in this table specifically pertain to the investigations that were completed to identify all of the water bodies situated within 120 m of the Project Location. Four water features are located within the 120 m area of investigation of the new access road (Feature IDs 190, 191, 193 and 356). Three of these features were identified in the Natural Heritage Assessment for the original REA Approval. Additional site investigations found the presence of another water feature, Location ID 356 within the 120 m area of investigation. These four water features are not considered to be water bodies under the REA definition (O. Reg. 359/09), and therefore no mitigation measures are proposed.

The location of the four water features can be found in **Figure 2-1**.

**Table 3-1 Edits to the Water Assessment and Water Body Report**

Section / Page	Original Text									Revised Text								
	Location ID	Nearest Turbine	Component within 120 m of Drainage Feature	UTM Easting	UTM Northing	Distance to Disturbance (m)	Meets O. Reg. 359/09 definition of “water body”	If not a water body, reason	Within Haldimand County OP Riverine Hazardland (Valleyland)	Location ID	Nearest Turbine	Component within 120 m of Drainage Feature	UTM Easting	UTM Northing	Distance to Disturbance (m)	Meets O. Reg. 359/09 definition of “water body”	If not a water body, reason	Within Haldimand County OP Riverine Hazardland (Valleyland)
Appendix A/Page 5	190	42	Within 120 m of Concession 4 Rainham	593282	4746268		N	Ploughed		190	42	Within 120 m of Concession 4 Rainham and access road to Turbine 42	593282	4746268		N	Ploughed	
	191	42	Within 120 m of Concession 4 Rainham	593428	4746303		N	Man-made		191	42	Within 120 m of Concession 4 Rainham and access road to Turbine 42	593428	4746303		N	Man-made	
Appendix A/Page 5	193	42	Within 120 m of Concession 4 Rainham	593557	4746230		N	Man-made		193	42	Within 120 m of Concession 4 Rainham and access road to Turbine 42	593557	4746230		N	Man-made	
	Not in original REA text									356	42	Within 120 m of Concession 4 Rainham and access road to Turbine 42	593174	4746026	105 m	N	Man-made	



## 4. Summary and Conclusions

The Project modifications described in this Addendum do not change the overall conclusion of the Water Assessment and Water Body Report which states that no residual effects are expected on water bodies within the Project Area.