NextEra Energy Canada

Summerhaven Wind

Welcome

Thank you for attending our Open House about the Summerhaven Wind Energy Centre.

We have invited you here today to:

- Answer your questions
- Get your input on the Project
- Summarize the Renewable Energy Approval (REA) Application
- Make documents available to you

Available information at this Open House includes:

- Our Project Description
- Results of Studies

Please feel free to ask questions to any of the Project representatives in attendance at the Open House today.

We are happy to discuss the Project with you!

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SUMMERHAVEN WIND ENERGY CENTRE

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About Us

A Leader in Clean Energy

The Summerhaven Wind Energy Centre is being proposed by NextEra Energy Canada. NextEra Energy Canada's parent company, NextEra Energy Resources is North America's largest wind energy owner and operator. NextEra Energy Resources has approximately 18,000 megawatts of generation capacity including over 7,600 megawatts of wind power facilities and over 9,000 wind turbines operating across North America.

Canadian wind farms currently owned and operated by NextEra Energy Canada include Pubnico Point (30.6 MW) in Nova Scotia and Mount Copper (54 MW) in Quebec and one project, Ghost Pine (81 MW), currently under construction in Alberta. NextEra Energy Canada's headquarters are located in Burlington, Ontario.

NextEra Energy Resources' North American Portfolio

History of the Project

The Project was originally two separate projects

- Air Energy TCI Inc (AET) "Nanticoke Wind Farm"
- NextEra Energy Canada "Summerhaven Wind Farm"

Both former projects had published a Notice of Commencement under O.Reg 116/01 prior the Green Energy Act coming into effect in September 2009.

In November 2009, AET sold all rights to the Nanticoke Wind Farm to NextEra Energy Canada, effectively merging the two projects. The new combined project is called the "Summerhaven Wind Energy Centre".

Facts at a Glance

- Largest generator of wind power in North America
- Largest generator of solar power in North America
- Approximately 4,500 employees
- Nearly 90 facilities in operation in 26 states and two provinces in Canada
- Over 18,000 megawatts of generating capacity in North America

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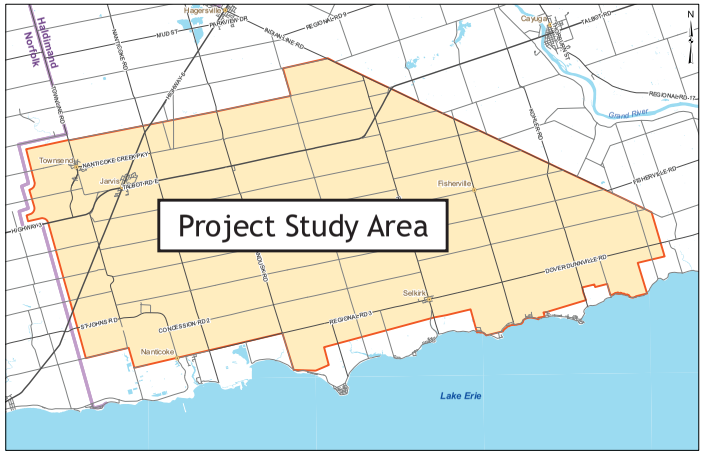
The Project

The Summerhaven Wind Energy Centre is located in Haldimand County, Ontario. The Project Study Area encompasses approximately 22,583 hectares of primarily rural, agricultural land. The Project is a Class 4 Wind facility consisting of up to 61 wind turbines with a nameplate capacity of up to 135.5 MW.



SCHEDULE *				
PRE-CONSTRUCTION	CONSTRUCTION	COMMISSIONING	OPERATIONS	ANTICIPATED DECOMMISSIONING
June 2007 to June 2011	July 2011 to January 2012	January 2012	January 2012 to December 2037	January 2038

* Pending REA approval

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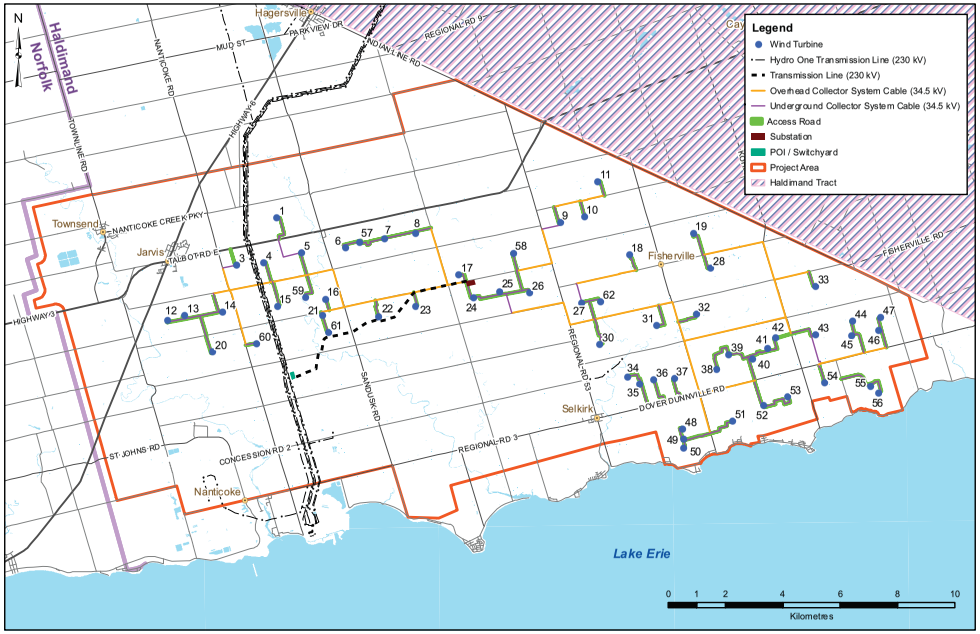
Project Layout



Project Infrastructure:

- Up to 61 wind turbines
- 54 km of gravel roads
- 1 Substation
- Transmission lines
- 3 weather towers
- An operations building

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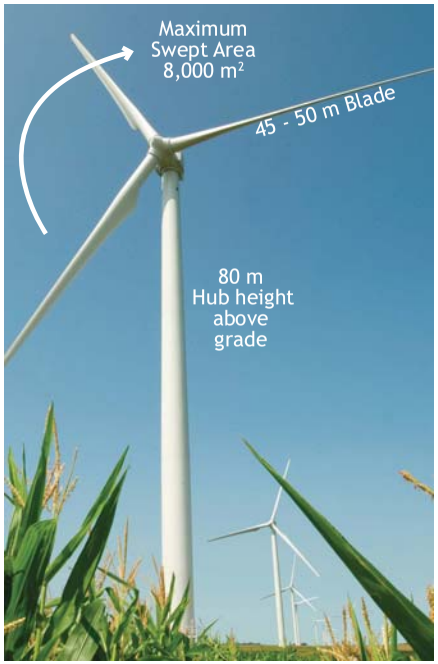
Turbine Specifications

Low Noise wind turbine models

Siemens 101 2.221 MW and
Siemens 93 2.221 MW



Turbine Blades
- Rotor diameter of 101 and 93 m
- Swept area of 8,000 and 6,800 m²

Nacelle
- Houses the turbine and gearbox
- Made of steel and fibreglass

Tower
- 80 m tall
- Raises blades to optimum condition
- Equipped with lightning protection

Foundation
- Approximately 17 m x 17 m and 3 m deep
- Made of rebar and formwork
- Only a small portion is visible

Maximum capacity: 2.221 megawatts (MW)
Range of wind speeds: 4 to 25 m/s
Optimum wind speed: 12 - 13 m/s (about 45 km/hr)

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Construction Plan

Construction Preparation
- Boundaries of turbine sites staked
- Underground pipes and lines marked
- Access roads built
- Laydown areas created

Wind turbine foundations
- Made of formwork, rebar and concrete
- Mostly underground
- 17 m² and 3 m deep
- Tower anchored to foundation by large bolts set in concrete

Construction equipment:
- Bulldozers
- Excavators
- Compactors
- Graders
- Concrete Pump/Elevator
- Dump Trucks
- Cranes

Electrical collector system
- Underground cables
- Overhead cables
- Switchyard and Point of Interconnect
- Substation

Ploughing, trenching and directional drilling will be used to install the underground cables. The cabling will be buried at a depth that will not interfere with normal agricultural practices.

Operations Building
The operations building will be approximately 465 m² with a parking lot, and will include washrooms, mess facilities and a storage area.

Substation and switchyard
- Isolation switch
- Circuit breaker
- Step-up power transformer
- Transmission switch gear
- Instrument transformers
- Grounding and metering equipment
- Metal fences

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Construction Plan

Potential Impacts

- Vegetation clearing during construction
- Soil compaction from traffic and heavy machinery
- Increased storm water run-off to local streams
- Increased traffic
- Use of heavy machinery
- Nuisance to humans and animals
- Dust and noise creation

Mitigation Measures

- Soils will be ploughed and revegetated after construction
- Streams monitored for increased flow rates
- Streams monitored for increased sediments
- Soil stockpiles will be covered with plastic sheets
- Silt fencing will be used
- Dust Management Plan
- Dust suppressants
- Wind fences
- Equipment operation will be in compliance with Haldimand County noise by-law

Construction Clean Up

- All vehicles and equipment will be removed
- Excavated soil will be replaced
- Disturbed areas will be re-seeded where possible

All systems will be tested and inspected before operations begin.

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Design and Operations

The Project will produce electricity for at least 25 years beginning in 2012 and will include:

- Six to eight full-time workers
- Automated control systems
- Remote monitoring of weather conditions
- Storm and lightning protection
- Emergency Response Plan

Oil and lubricants in the gearboxes and hydraulic systems will be changed regularly.

Potential Effects

- Wildlife disturbance
- Bird and bat mortality
- Potential noise disturbance

Mitigation Measures

- Designed to avoid natural features
- Bird and bad migration patterns studied
- Monitoring of bird and bat mortality
- Turbines located at least 550 metres from non-participating receptors
- On-site Operations and Maintenance Centre staff available to answer questions during regular business hours

Turbine Siting Considerations:

1. Landowner input
2. Provincial government setbacks
3. Site access
4. Wind yield
5. Noise regulations
6. Existing land use
7. Environmental features and their significance
8. Minimizing watercourse crossings
9. Bird and bat migration and breeding surveys
10. Minimizing the length of collector lines and access roads
11. Archaeological Resources

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Decommissioning Plan

NextEra Energy Canada has a FIT Contract with the Ontario Power Authority guaranteeing they will buy electricity produced by the Project.

After 25 years, the condition of the wind turbines will be assessed and turbines will be either:

- Refurbished;
- Taken down and sold for re-use; or
- Dismantled and disposed of.

Decommissioning will include removing:

- Transformer substation and operations building
- Gravelled parking areas
- Access roads (depending on landowner)
- Overhead power lines and transmission poles (unless shared)
- Switchyard

Substation electrical equipment will be sold or disposed of and underground power lines will be cut at connection points using a backhoe.

Reclamation activities will include:

- Ploughing compacted soil
- Re-grading
- Spreading new topsoil
- Re-seeding
- Re-vegetation

If agreed upon, the meteorological towers built to monitor the weather may be left in place to be used by Haldimand County or local aviation groups.

Waste generated by the Project may include:

- Oils, fuels and lubricants
- Transmission poles
- Plastic, concrete, wood and metal building materials

These materials will be reused or recycled wherever possible.

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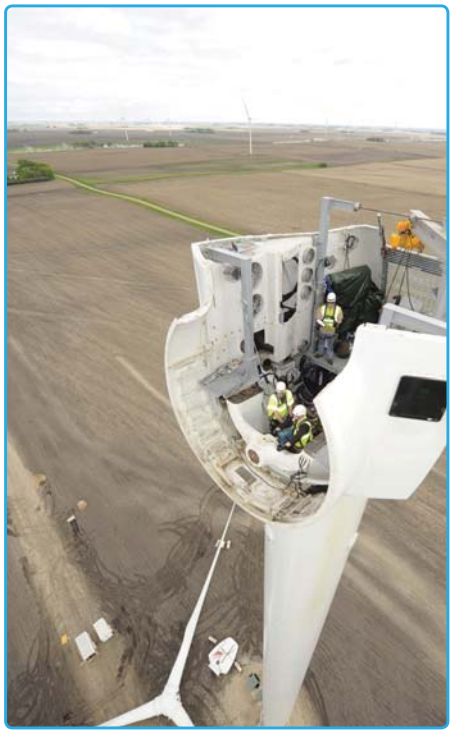
Noise Study



All regulations have been met by ensuring noise levels are at required levels and siting wind turbines a minimum of 550 metres from any non-participating Point of Reception.

NOISE RECEPTORS

Point of Reception: the centre of buildings or structures that contain one or more dwellings or those used as an educational facility, day nursery, or place of worship

Vacant Points of Reception: a property with no building or structure, whose owner is not participating in the Project

Participating Receptor: an existing building or structure that is participating in the Project, for example a home whose owner has project infrastructure on their property

Vacant Participating Receptor: a property whose owner is participating in the Project, and does not have a building or structure on it

CUMULATIVE NOISE IMPACTS

The Capital Power Corporation Port Dover and Summerhaven Wind Energy Centre are planned to be built within 10 km of the Project. Noise modelling included these projects operating at the same time. The results showed that predicted noise levels with both projects operating will be at or below the Ministry of Environment guidelines.

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Natural Heritage

Careful construction planning and Best Management Practices will help to protect woodland, valleyland and wetland plants and animals, as well as connections between surface water and groundwater.

Natural features within 120 m of the Project Location were identified through a records review and site investigation. These included:

- 84 vegetation communities, of which 50 have been determined to be significant
- 38 valleyland locations, of which 16 were classified as potentially significant
- no Provincially Significant Wetlands are located within 120 m of the Project Location
- 1 non-provincially significant wetland has been evaluated by the Ministry of Natural Resources
- 6 additional wetlands were identified during site investigations
- 252 drainage features were assessed, 28 were determined to be water bodies by REA definition

The Project will require water crossings for access roads at selected locations. Complying with the Department of Fisheries and Oceans guidelines and operational statements will help avoid harming fish and fish habitat.

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Summerhaven Wind
Natural Heritage

Bird Studies

Avian use surveys were conducted throughout the breeding season and migration period of 2008 and the spring migration period of 2009. Survey results identified:

- 149 different bird species present
- Eight different “species at risk” birds observed
- 72 % of all flying birds were below the rotor-sweep height

The most common birds observed were:

- Red-Winged Blackbird
- Common Grackle
- Common Merganser
- European Starling
- Canada Goose
- Snow Bunting
- Rock Pigeon

Bat Studies

Bat field surveys used a three step approach:

- Desktop community classification
- Daytime habitat assessment
- Bat use survey at sunset during June

Species identified included big brown\silver-haired, myotis, red bat and hoary bat.

Red-Winged Blackbird

Potential Impacts

- Sensory disturbance
- Bird and bat mortality
- Corridor habitat disturbance
- Turtle nesting/habitat disturbance
- Raptor breeding disturbance

Big Brown Bat

Mitigation Measures

Potential impacts are expected to be minimal and will be mitigated by environmental compliance monitoring, scheduling construction to avoid breeding season and conducting nest surveys before construction.

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Water Assessment

Water features were identified by:

- Ministry of Natural Resources base data
- Geographic Information System mapping
- Long Point Region Conservation Authority mapping
- Field work (June to September 2010)

POTENTIAL IMPACTS

- Soil compaction
- Vegetation removal
- Contamination from accidental spills
- Disturbance from temporary or permanent watercourse crossings

MITIGATION MEASURES

- Machine exclusion zones
- Silt fences
- Sediment traps
- Regular monitoring
- Following the Department of Fisheries and Oceans Operational Statements
- Proper materials identification
- Proper materials transport
- Proper materials disposal
- Environmental Compliance Monitoring
- Stopping work if environmental regulations are not met

No turbine or substation will be located within 30 m of a water body.

When infrastructure is placed within 120 m of a potential water body, a report has been prepared that assesses the significance of the water body, potential impacts, mitigation and monitoring.

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Archaeology

The Stage 1 Archaeological Assessment found 41 previously known archaeological sites in the Project Study Area:

- 32 pre-contact Aboriginal sites
- 5 historic Euro-Canadian sites
- 4 multi-component sites

The Assessment determined that archaeological potential was moderate to high, and that Stage 2 field work was necessary. The Ministry of Tourism and Culture agrees with this conclusion and has provided a letter of acceptance.

A Stage 2 Archaeological Assessment has begun and is scheduled to be completed by the end of 2010. Stage 3 and 4 archaeology work is scheduled to be completed before construction.

An archaeological site is our link to humans of the past. It could be a village, an ancient campsite or something as small as one piece of a stone tool.

The pre-contact Aboriginal sites found in the Project Study Area include artifacts from 3 different time periods:

- Paleo-Indian (9000 to 8000 B.C.)
- Archaic (8000 to 950 B.C.)
- Woodland (950 B.C. to 1650 A.D.)

Late Archaic spear points from Project Study Area

19th century ceramics from Project Study Area

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Heritage Assessment

Criteria for Determining Cultural Heritage Value or Interest:

- Recognized for **artistic value**
- A rare example of a **design style**
- Associated with an **important person**
- **Associated with an important event**
- Recognized as a **landmark**
- Define the character of an area

The Heritage Assessment evaluated the Project layout against known or potential heritage resources to identify any potential impacts. No direct impacts to heritage resources are anticipated.

The Heritage Assessment identified two types of cultural heritage landscapes:

- Rural or farming landscape
- Cottages along the Lake Erie shoreline

Early land surveys and land grants to United Empire Loyalists and Six Nations are still reflected in the road patterns and farmsteads in the area.

The earliest roads in the area include:

- Old Talbot Road
- Plank Road
- Rainham Road

Lakeshore Road may have originally been a path travelled by First Nations people. The route was used by the earliest European settlers to the County as they travelled from the Niagara Peninsula.

54 houses and 37 barns located on project lands are greater than 40 years old and were determined to have general historical significance. However, when evaluated against the Criteria for Determining Cultural Heritage Value or Interest none of these structures were determined to have cultural heritage value or interest.

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Public Consultation

Public involvement is integral to the Project!

We believe that working with the community is of paramount importance. We take our responsibilities seriously in providing accurate, detailed information about the Project.

Key issues and concerns raised during consultation:

Socio-economic
- Property values
- Agriculture
- Community infrastructure

Environment
- Animal habitat
- Birds
- Bats

Human Health
- Noise
- Health concerns
- Safety

Project Details
- Project schedule
- Project location
- Regulatory process

Aboriginal Interests
- Consultation
- Aboriginal and Treaty rights
- Culture
- The environment

Key Consultation Milestones:

November 2009:
- Notice of Proposal to Engage in a Renewable Energy Project sent to key stakeholders, landowners, and Aboriginal Communities
- Notice of Final Public Meeting published in local newspapers
- Draft Project Description Report distributed for review by Municipality and Aboriginal Communities

December 2009:
- Open House 1

October 2010:
- All Draft Project Reports distributed for public and municipal review
- Report Summaries and Draft Project Reports provided to Aboriginal Communities
- Mailed notice of Final Public Meeting to key stakeholders, landowners, and aboriginal communities
- Notice of Final Public Meeting published in local newspapers

December 2010:
- Final Open House

Please submit your comments on or before December 9, 2010 in order for them to be included in the public consultation report to the Ministry of Environment. NextEra Canada remains committed to addressing your concerns at any time.

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Visual Resources
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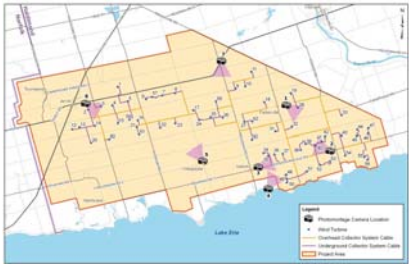

The images above provide a realistic impression of how the Summerhaven Wind Energy Centre will appear from selected viewpoints in the area. Photographs were taken from various locations and planned turbines were added to the viewscape using 3-D modelling software. Location 1 is from Rainham Central School in Fisherville, and Location 2 shows the view looking north from Dover-Dunnville Road.

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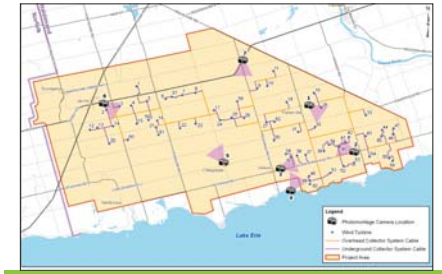

The images above provide a realistic impression of how the Summerhaven Wind Energy Centre will appear from selected viewpoints in the area. Photographs were taken from various locations and planned turbines were added to the viewscape using 3-D modelling software. Location 3 shows the view looking west from the Community of Selkirk, and Location 4 shows the view looking northeast from Lakeshore Road.

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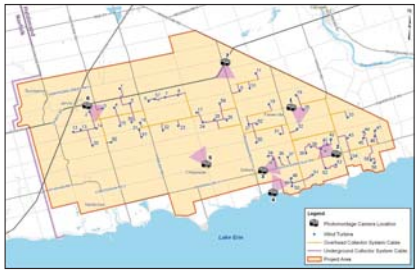

The images above provide a realistic impression of how the Summerhaven Wind Energy Centre will appear from selected viewpoints in the area. Photographs were taken from various locations and planned turbines were added to the viewscape using 3-D modelling software. Location 5 shows the view looking northwest from the Community of Cheapside, and Location 6 shows the view looking southeast from Jarvis District Christian School in the Community of Jarvis.

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Visual Resources
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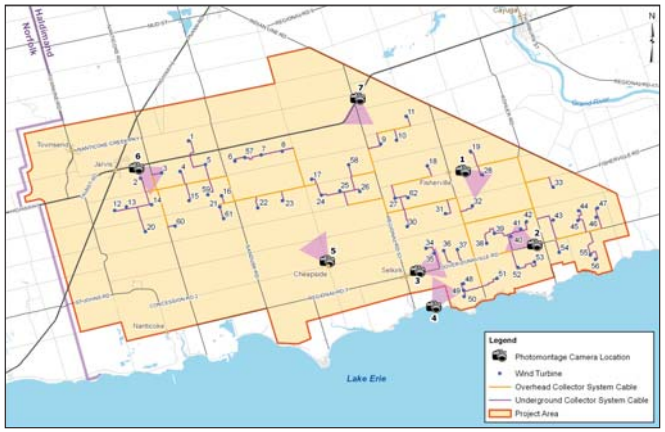

The image above and on the adjacent posters provide a realistic impression of how the Summerhaven Wind Energy Centre will appear from selected viewpoints in the area. Images are intended to be viewed from a distance of approximately 2 feet. Photographs were taken from various locations and planned turbines were added to the viewscape using 3-D modelling software. The photographs are numbered and correspond with the numbers on the index maps. The pink arrows indicate the direction of the vantage point. Location 7, pictured above, shows the view looking south from Talbot Road towards the Lake.

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Thank You!

Thank you very much for attending our Open House and providing your valuable input on the Summerhaven Wind Energy Centre Project.

Your input is very important to us. We will record your questions, comments and concerns today for consideration in the Renewable Energy Approval application. You can find copies of all of the draft reports online:
www.CanadianWindProposals.com

If you have any further questions or comments, please feel free to contact:

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