

NOTICE OF DRAFT SITE PLAN AND NOTICE OF FINAL PUBLIC MEETING Extended Hours In West Lincoln

To be held by Niagara Region Wind Corporation regarding a Proposal to Engage in a Renewable Energy Project

Project Name: Niagara Region Wind Farm
Project Location: The proposed project is located within Haldimand County and Niagara Region (including the Townships of Wainfleet and West Lincoln and the Town of Lincoln). The electrical interconnection components are located within the Town of Lincoln and the Township of West Lincoln, in Niagara Region, and in Haldimand County in southern Ontario.
Dated at Haldimand County and Niagara Region this the 5th of December 2012.

Niagara Region Wind Corporation ("NRWC") is planning to engage in a renewable energy project in respect of which the issuance of a renewable energy approval is required. The distribution of this notice and the Project itself are subject to the provisions of the *Environmental Protection Act* (Act) Part V.0.1 and Ontario Regulation 339/09, as amended. (Regulation), which covers Renewable Energy Approvals. This notice is being distributed in accordance with Section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of the Environment. This Notice of Draft Site Plan is in reference to the inclusion of a new substation for the Project. The other substation and all turbine locations, as well as noise receptors, remain the same. The legal effect of the publishing of this Notice is such that pursuant to Section 54(1.2) of the Regulation, NRWC does not have to take into account a noise receptor as defined by the Act that did not exist as of the day before NRWC published the Draft Site Plan for the Project.

The project team will be holding a series of Public Meetings, as required under section 16(1) of the Regulation. The purpose of these meetings will be to present the findings of the Draft Renewable Energy Approval (REA) Reports, and to present proposed revisions to the Draft Site Plan, released in August 2012. We are offering multiple meeting locations and dates for this event. The sessions will be drop-in style, and each session will be identical so that you can attend whichever session is most convenient:

| | Tuesday, February 5, 2013 | Wednesday, February 6, 2013 | Thursday, February 7, 2013 |
|-------------------|--|--|---|
| 1:00 to 4:00 p.m. | Town of Grimsby Peach King Centre Auditorium 162 Livingston Ave. Grimsby | Town of Peleeham Old Peleeham Town Hall 491 Canboro Road Ridgewayville | Township of Wainfleet Firefighters' Memorial Community Hall 31907 Park Street Wainfleet |
| 5:30 to 8:30 p.m. | Town of Lincoln Bied Hall 4890 South Service Road Beamsville | Township of West Lincoln Wainfleet Community Centre 5042 Canborough Road (RR#6), Wainfleet EXTENDED HOURS 4:30 - 10 | Lincoln Community Centre 2833 Northshire Drive Lincolnbanks |

Project Description: Pursuant to the Act and Regulation, the facility, in respect of which the project is to be engaged in, is considered to be a Class 4 Wind Facility. If approved, this facility would have a total maximum name plate capacity of 230 MW consisting of 77 turbines (80 potential locations identified). The project location is shown in the adjacent map.

NRWC has been refining the project location and completing technical and environmental studies in preparation for finalizing the project layout. The proposed revisions to the Draft Site Plan include amending the location of the electrical interconnection components further south to accommodate a new location for a second substation. The results of the noise modeling meet the current provincial standards with mitigation. The proposed revisions are incorporated in the Draft REA Reports (see list below) and will be discussed at the Public Meetings.

Documents for Public Inspection: The applicant, NRWC, has prepared supporting documents in order to comply with the requirements of the Act and Regulation. Written copies of the draft supporting documents will be available for public inspection starting December 5, 2012 to February 5, 2013 at the locations listed below and on the Project website (www.nrwc.ca):

- | | |
|--|--|
| <ul style="list-style-type: none"> • Draft Project Description Report • Draft Construction Plan Report • Draft Design & Operations Report (Includes Property Line Setback Assessment Report and Noise Study Report) • Draft Decommissioning Plan Report • Draft Natural Heritage Assessment & Environmental Impact Study Report | <ul style="list-style-type: none"> • Draft Environmental Effects Monitoring Plan Report • Draft Water Assessment and Water Body Report • Draft Protected Properties Assessment • Draft Heritage Assessment • Draft Stage 1 Archaeological Assessment • Draft Stage 2 Archaeological Assessment • Draft Wind Turbine Specifications Report |
|--|--|

Document Viewing Locations:

- Town of Grimsby Municipal Office, 160 Livingston Avenue, Grimsby
- Grimsby Public Library, 18 Carnegie Lane, Grimsby
- Haldimand County Municipal Office, 45 Munsee Street North, Cayuga
- Cayuga Public Library (Haldimand), 28 Cayuga Street North, Cayuga
- Haldimand County Dunnville Satellite Office, 111 Broad Street East, Dunnville
- Town of Lincoln Municipal Office, 4800 South Service Road, Beamsville
- Lincoln Public Library (Fleming Branch), 4996 Beam Street, Beamsville
- Region of Niagara Municipal Office, 2201 St. David's Road, Thorold

Project Contacts and Information:

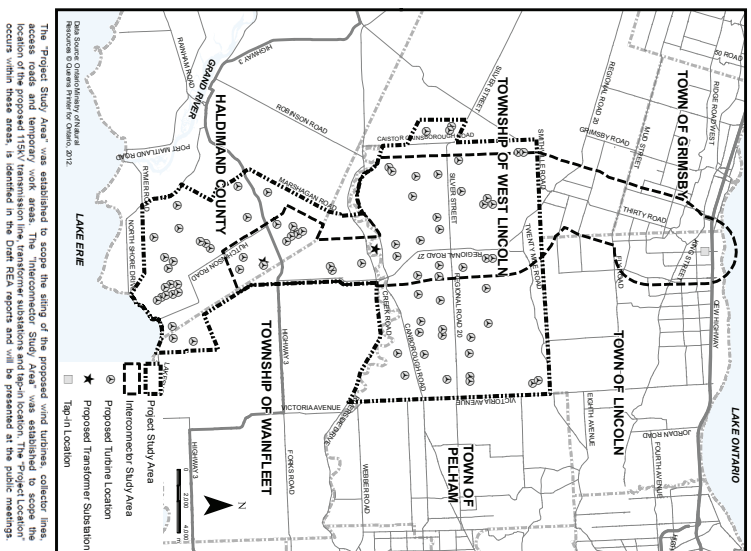
To learn more about the project, or to communicate questions or comments, please contact:
 Project Email Address: info@nrwc.ca Project Website: www.nrwc.ca

Robert Daniels, Vice President
 Niagara Region Wind Corporation
 277 Lakeshore Road East, Suite 211
 Oakville, ON L6J 6J3

Project Phone Number: 905-390-3306 or 1-855-720-2892 (toll free)

J.A. (AJ) Leggett, BA, MCP, RPP
 Project Manager, Stantec Consulting Ltd.
 300 - 675 Cochran Drive West Tower
 Markham, ON L3R 0B8

Information will be collected and used in accordance with the Environmental Protection Act and Freedom of Information and Protection of Privacy Act. This information will be used to assist NRWC in meeting applicable environmental approvals requirements. This material will be maintained on file for use during the project and may be included in project documentation. Unless indicated otherwise, personal information and all comments will become part of the public record and publicly released as part of project documentation.



Welcome

Final Public Meeting
for the Niagara Region
Wind Farm

Thank you for coming!

We are happy to share new information about this clean, renewable energy project with you, based on our progress over the past 18 months.

Our team of experts are present today. Please review the display boards and feel free to ask us any questions you may have.

We want to hear from you!
If you would like to be added to the Project mailing list, please sign up at the front desk.



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Objectives of this Public Meeting



- Provide a status update on the Project layout and design.
- Present the findings of the Draft Renewable Energy Approval (REA) Reports (released December 2012).
- Respond to questions regarding the Draft REA Reports and the Project.
- Provide an overview of the REA process and current status.
- Receive the community's input and feedback for consideration by the Project Team.
- Outline next steps, including submission of the REA application to the Ministry of the Environment (MOE).

Tonight's meeting is the Final Public Meeting for the Project under Section 16 of Ontario Regulation 359/09. We anticipate submission of the REA application to the MOE within the next 6 weeks.

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Who Are We?

Niagara Region Wind Corporation (NRWC) is a Canadian renewable energy company focused on the development of wind power in Canada.

NRWC is a partnership between Daniels Power Corporation and Renewable Energy Business Ltd., two privately held Ontario companies committed to renewable energy projects.

The Study Team for this Project includes:



Stantec
Consulting Ltd.
(Renewable Energy
Approval process)



Hatch Ltd.
(Engineering)



Intrinsic Inc.
(Health)



Bridgepoint Group Ltd.
(Media &
Communications)



Enercon
(Turbine Manufacturer)



CONSTRUCTION LEADERS

PCL
(Construction)

Project Contact Information

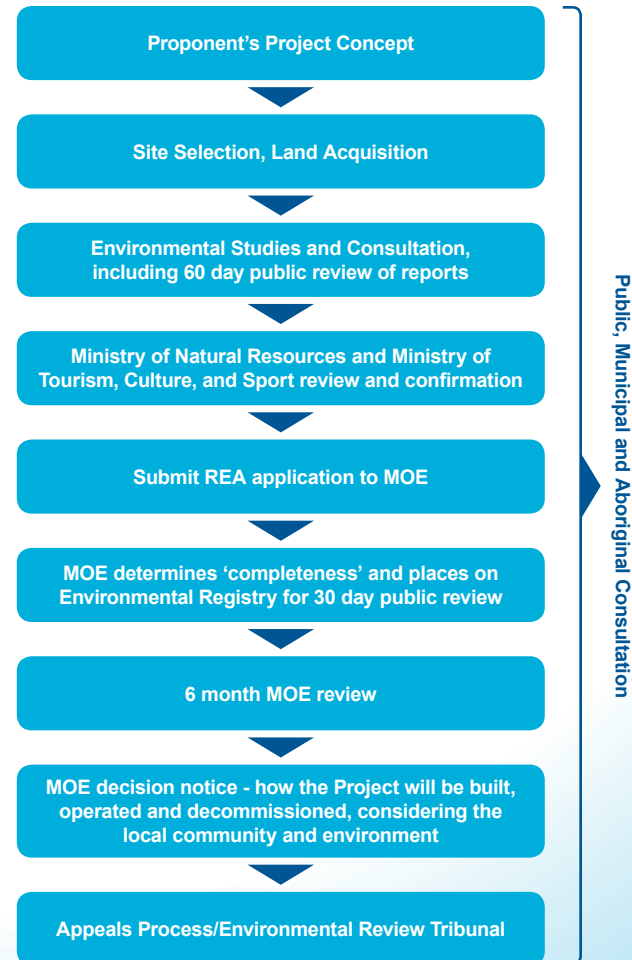
Website: www.nrwc.ca Email: info@nrwc.ca
Phone: 905-390-3306 or 1-855-720-2892 (toll free)

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Renewable Energy Approval Process

- The *Green Energy and Green Economy Act (GEA)*, and related amendments to other provincial legislation, received Royal Assent in the Ontario Legislature on May 14, 2009.
- The Project will require a REA according to Ontario Regulation 359/09 (Renewable Energy Approvals under Part V0.1 of the Act) under the *Environmental Protection Act*. This regulation became law on September 24, 2009, with amendments in 2011 and 2012, and replaces the previous Ontario *Environmental Assessment Act* process for wind projects.
- The REA application for the Project will include a comprehensive assessment and plan related to Project design, construction, operation, maintenance and decommissioning.
- All non-REA approvals (Conservation Authorities, Endangered Species, and Municipal) will be initiated during the REA process.



Project Overview

230 MW

The total nameplate capacity of this project will be 230 MW (1 MW can power approximately 250 Ontario homes, for a total of 57,500 homes)

77 Turbines

There will be 77 ENERCON E101 wind turbine generators (80 potential locations identified), each with a rated capacity of 3.0 MW. One or more turbines may have a generating capacity of less than 3 MW, for a total of 230 MW.

Study Area

The turbines will be located in West Lincoln and Wainfleet in Niagara Region and parts of Haldimand County, with the transmission line proposed in parts of Haldimand County, Wainfleet, Lincoln and West Lincoln.

Power Purchase Agreement

This Project was awarded a Power Purchase Agreement (FIT Contract) by the Ontario Power Authority in February, 2011. The contract guarantees 13.5 cents per kwh over 20 years.

Components

Other Project components include: underground/overhead collector lines and transmission line, fiber optics, two transformer substations, a manual disconnect switch (tap-in), junction boxes, construction laydown areas and turbine access roads with culverts (where required).

Additional details regarding Project design can be found in the Draft Project Description Report (December 2012) available for review at www.nrwc.ca, local libraries and municipal offices.

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Project Changes Affecting All Hosting Municipalities

Project Changes Since Draft Site Plan Release (August 15, 2012), incorporated in REA Documents

- Change of turbine hub height from 124 m to 135 m is being considered to improve energy production. All studies under the REA conservatively assessed both proposed turbine heights.
- Addition of second transformer substation and extension of transmission line in Haldimand County to improve electrical system efficiency.
- Refinement of collection system routing and junction box locations to improve electrical efficiency.
- Consideration of alternate transmission line routes to allow for flexibility during municipal consultation.
- Refinement of access road routes to accommodate landowner preferences and archaeological results.
- Consideration of overhead construction of transmission line over the Welland River and collector line over the Welland Feeder Canal.
- Decision to bury transmission line within the Niagara Escarpment Plan area.
- Refinement of construction laydown areas at proposed transformer substations.

Additional natural heritage, aquatic and archaeological field studies have been completed to accommodate and assess these Project changes, the results of which are included in the draft REA Documents.

The proposed changes will not result in additional negative impacts.

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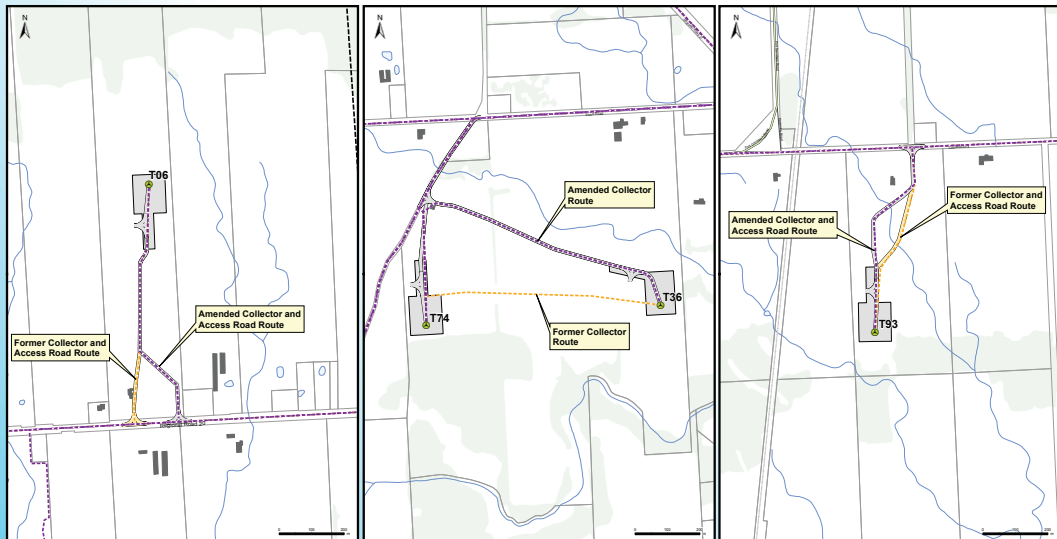


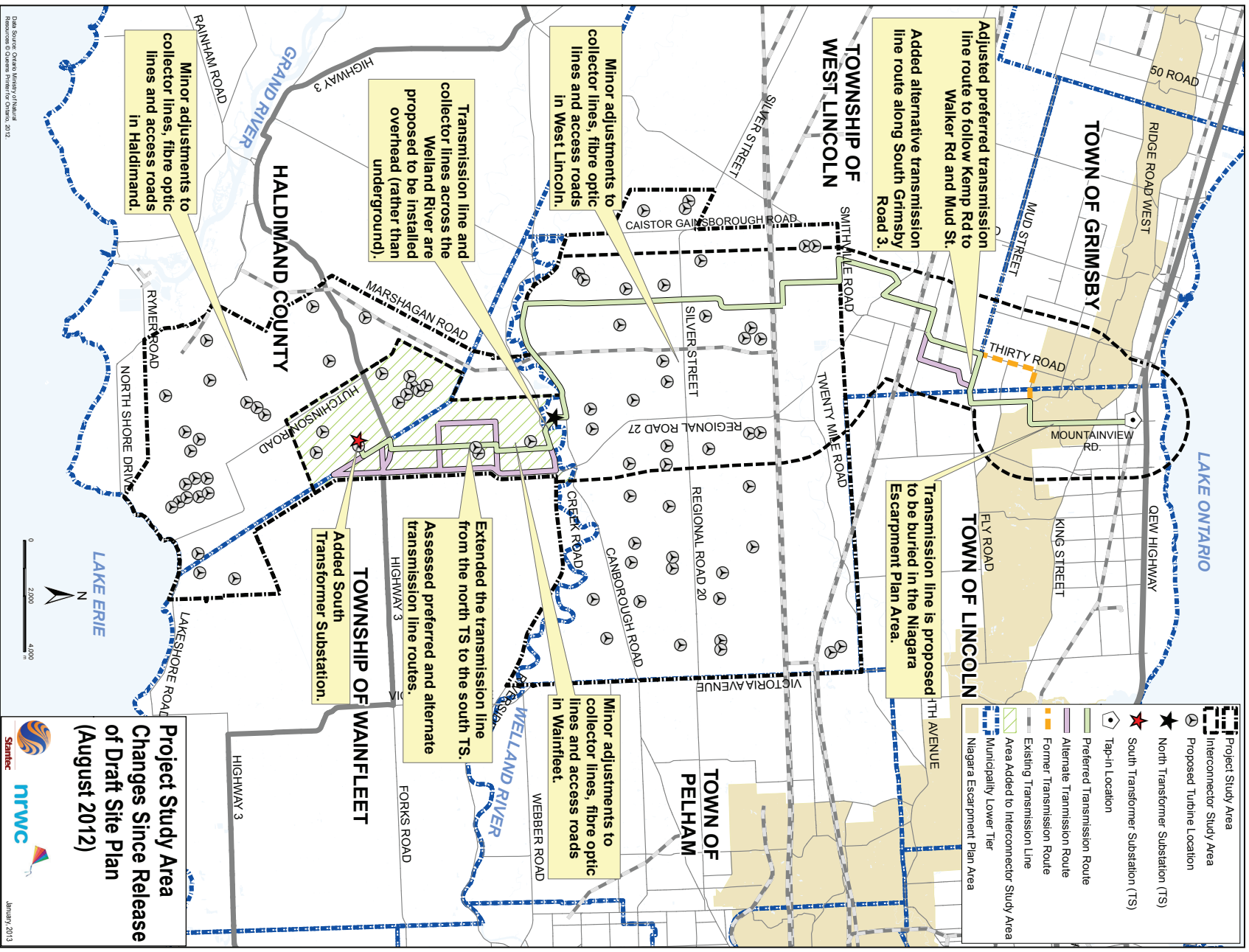
Project Changes Since REA Documents Were Made Public In December

- Amended the collector line and access road location to Turbine T06 to accommodate landowner preference for agricultural production.
- Amended the collector line between Turbines T36 and T74 to follow the proposed access road.
- Amended the collector line and access road location to Turbine T93 to accommodate landowner preference for agricultural production.

Additional natural heritage, aquatic and archaeological field studies have been completed to accommodate and assess these Project changes, the results of which will be included in the final REA Documents.

The proposed changes will not result in additional negative impacts.





Data Source: Ontario Ministry of Natural Resources & Forestry, 1998; OSCEM, 2012.



Project Study Area Changes Since Release of Draft Site Plan (August 2012)

January, 2013

Note that since the Draft Site Plan Release on August 15, 2012, the number and location of the wind turbines have not changed and the location of the north transformer substation has not changed.

Transmission

Components related to transmission of power generated by the turbines to the Hydro One Networks Inc. (HONI) grid include:

- South Transformer Substation - the collection point for the power produced by the south wind turbines. Power is transformed from 34.5 kV to 115 kV.
- North Transformer Substation – the collection point for the power produced by the north wind turbines. Power is transformed from 34.5 kV to 115 kV.
- Transmission line – transports the power from the south transformer substation to the north transformer substation and then to the Tap-in Location. The 44 km transmission line is almost exclusively within municipal road rights-of-way.
- Tap-in Location – the interconnection point where the Project transmission line connects to an existing HONI 115 kV transmission line parallel to the QEW that feeds power into the Provincial grid.

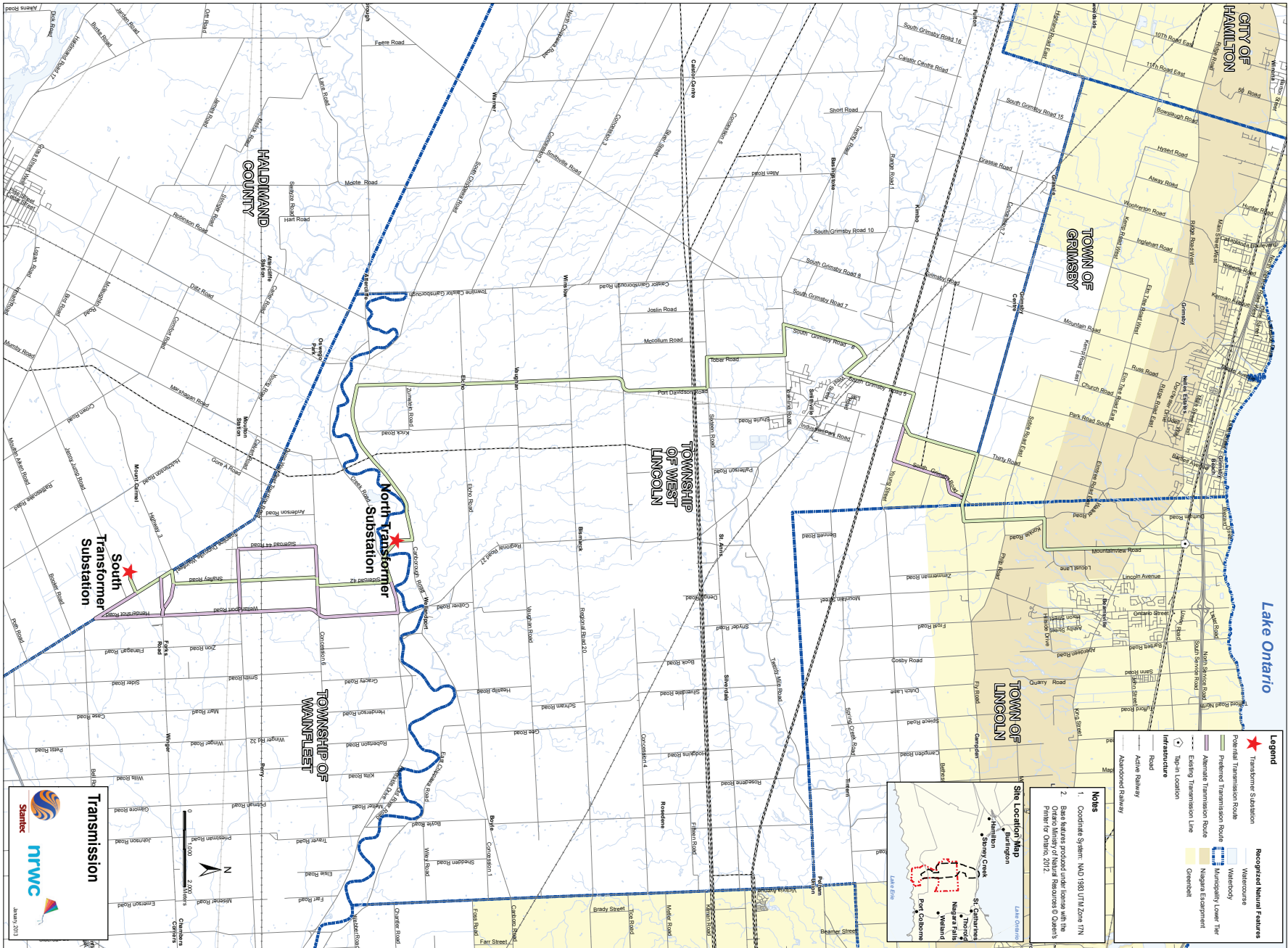
The majority of the transmission line will be constructed on overhead monopole structures approximately 23 m in height made from either wood, steel or concrete. One exception is the route through the Niagara Escarpment Plan (NEP) Area where the transmission line will be installed underground.

The REA assessed a preferred transmission line route and several alternate transmission line routes. The final route of the transmission line and configuration (pole structure and which side of road) will be confirmed through consultation with local municipalities and Local Distribution Companies through 2013.

The construction of the transmission line requires a Leave to Construct (LTC) approval from the Ontario Energy Board (OEB) under Section 92 of the Ontario Energy Board Act. NRWC consulted with the OEB in 2012 and intends to submit the LTC application in early 2013.

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Legend

| | |
|--------------------------------|-----------------------------|
| Transformer Station | Recognized Natural Features |
| Partial Transmission Route | Watercourse |
| Preferred Transmission Route | Wetland |
| Alternative Transmission Route | Municipally Lower Tier |
| Existing Transmission Line | Natural Environment |
| Top of Location | Greenbelt |
| Infrastructure | |
| Road | |
| Active Railway | |
| Abandoned Railway | |

- Notes**
1. Coordinate System: NAD 1983 UTM Zone 17N
 2. Base features provided under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012



Transmission

January 2013



Developing the Project Layout

- A key component of the REA process is establishing common setbacks for all renewable energy projects in the Province.
- The location of Project components was determined in consideration of these setbacks, and in consultation with landowners and regulatory agencies.

| Feature | Setback Distance |
|---|---|
| Non-participating noise receptor | 550 m from turbine base, 500 m from transformer, below 40.0 dBA noise level |
| Public road right-of-way and railway right-of-way | Turbine blade length + 10 m (from turbine base) |
| Property line | Turbine height (excluding blades) (from turbine base) |
| Provincially significant wetland | 120 m (can be closer if Environmental Impact Study (EIS) Undertaken) |
| Provincially significant ANSI (Earth Science) | 50 m (can be closer if EIS Undertaken) |
| Provincially significant ANSI (Life Science) | 120 m (can be closer if EIS Undertaken) |
| Significant woodland | 120 m (can be closer if EIS Undertaken) |
| Significant wildlife habitat | 120 m (can be closer if EIS Undertaken) |
| Lake or a permanent or intermittent stream | 120 m from the average annual high water mark (can be closer if EIS Undertaken) |
| Seepage area | 120 m (can be closer if EIS Undertaken) |



- All turbines were sited outside of the Greenbelt and Niagara Escarpment Plan Area
- Siting of Project components targeted already disturbed areas (agricultural fields) on participating properties.



Renewable Energy Approval Process Reports



- 1 Project Description Report
- 2 Construction Plan Report
- 3 Design & Operations Report
 - Property Line Setback Assessment Report
 - Noise Study Report
 - Environmental Effects Monitoring Plan
- 4 Decommissioning Plan Report
- 5 Consultation Report
- 6 Natural Heritage Assessment and Environmental Impact Study
- 7 Water Assessment Report and Water Body Report
- 8 Protected Properties Assessment
- 9 Heritage Impact Assessment
- 9 Archaeological Assessment
- 10 Wind Turbine Specifications Report

All reports, with the exception of the Consultation Report, were made available in draft format for review and comment in December 2012 on-line and various viewing locations across all affected municipalities, 60 days before the Final Public Meeting, in accordance with O. Reg. 359/09.

The Consultation Report will incorporate comments received during the final public meetings, as well as correspondence received from municipalities, agencies and other stakeholders, for submission to the MOE.

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Project Description

The Draft Project Description Report (PDR) has been revised and updated to reflect changes to the Project based on the completion of various technical and environmental studies over the past 18 months.

The Draft PDR provides a description of project components, schedules, activities, ownership, processes, potential environmental effects, and a list of key permits and approvals still required.

As outlined in the Draft PDR, Project components include:

- 77 Enercon E-101 wind turbines with a capacity of 3 MW each (one or more turbines may have a generating capacity of less than 3 MW), for a maximum installed nameplate capacity of 230 MW. 80 potential turbine locations have been included in the layout whereas only 77 will be constructed.
- Overhead and underground collector lines will run from each turbine along municipal road allowances to one of two transformer substations (TS). Junction boxes are proposed where two collector lines connect and continue as one line.
- Fibre optic cables will follow similar routes to provide a communication connection to monitor and control each turbine.
- Two main step-up transformers will convert power from 34.5 kV to 115 kV at the south and north TS.
- A transmission line will connect the south TS to the north TS and further on to the tap-in location near the QEW east of Grimsby.
- Access roads will be built primarily on private property to provide access to the turbines during construction and operation (maintenance).
- Additional project components include existing meteorological towers, temporary construction laydown areas and water crossings.

Construction Activities



Construction is expected to occur from September 2013 to December 2014. Activities will include:

| Activity | Estimated Schedule |
|---|---------------------------------|
| Surveying and geotechnical assessment | August 2013 – July 2014 |
| Site clearing and preparation of staging areas prior to delivery materials. | September 2013 – September 2014 |
| Installation of Erosion and Sediment Controls | September 2013 – September 2014 |
| Delivery of construction materials, construction of access roads (including culverts) and crane pads | September 2013 – September 2014 |
| Delivery of turbine components | September 2013 – September 2014 |
| Installation of turbine foundations | September 2013 – September 2014 |
| Wind turbine erection | November 2013 – December 2014 |
| Installation of electrical components (including collector lines, fibre optic cables, junction boxes, transformer substations, transmission lines, and tap-in location) | September 2013 – September 2014 |
| Reclamation of temporary work areas, final grading, topsoil replacement (all temporary work areas will be restored to pre-construction conditions) | June 2014 – December 2014 |
| Project testing | July 2014 – December 2014 |
| Turbine commissioning and operation | December 2014 |

There will be no long term on-site storage of waste during Project construction.

Construction

Overall Construction Period is 15 Months.

Typical Per Site Construction is as follows (estimated duration):

- Building of Roads and Excavation of Turbine Foundation – 12 days
- Construction of Foundations / Backfill and Construction of Crane pad – 20 days
- Concrete Curing – 28 days (minimal traffic during this time)
- Tower & Nacelle Delivery, Assembly & Installation – 25 days
- Commissioning – 10 days

Turbine Foundations

Each turbine will be installed on top of a foundation. A typical turbine foundation is approximately 21 m in diameter, with a poured-in-place reinforced concrete foundation, buried to a depth of 3.5 m.

Laydown Area & Crane Pads

Proposed laydown areas adjacent to each turbine location measure 100 m x 120 m which includes a gravel crane pad of 50 m x 75 m.

Access Roads

15 m wide during construction, reduced to 5 m for operations.

Collector Lines

New 34.5 kV collector lines (buried on private lands, above or below ground in the municipal road allowance) from step-up transformers at the base of each turbine to the substations.

Substations

Fenced areas approximately 100 m x 100 m in size.

Storage Area

Fenced area near T-31 and Northern Substation for storage of materials during construction and operation of the Project. Approximate size is 10 acres each.



Operations and Maintenance

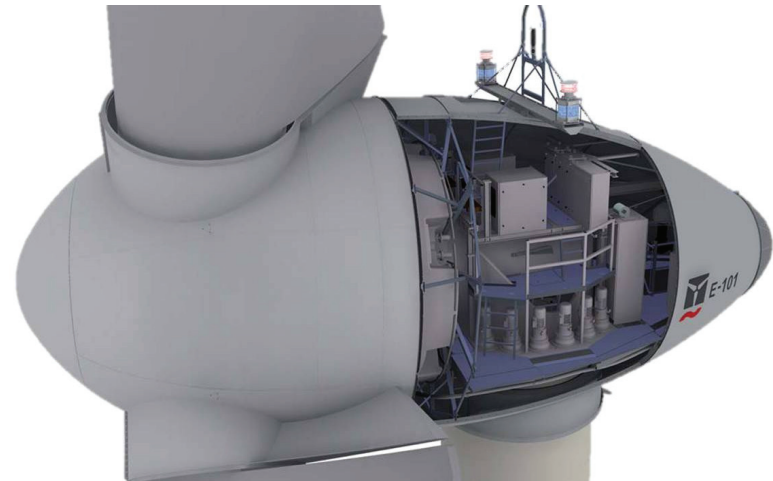
- NRWC will have a specialized Contractor to undertake on-going operations and maintenance.
- Operation activities include daily monitoring of wind turbines and function of the substations, maintenance activities, and monitoring of meteorological data.
- An on-line system and technician will monitor the Project 24 hours a day to identify any issues for quick response.
- An Emergency Response and Communications Plan will be developed prior to operation.

Decommissioning

- Project components are expected to be in service for the term of the 20 year Ontario Power Authority Feed-In Tariff contract. At that point, a decision will be made to continue operations, update equipment (called 'repowering'), or decommission.
- Decommissioning involves removal of all project components for reuse or recycling, and restoring the land to pre-construction conditions, using relevant environmental protection and mitigation measures.
- NRWC is responsible for all aspects of the decommissioning of the Project including the associated costs.



Proposed Wind Generation Technology: Enercon E101



Uniqueness of ENERCON turbines

- Maximum sound power level of 105 dBA
- Rated capacity of up to 3 MW
- Gearless, direct-drive generator results in quieter operation than most traditional turbines with gearboxes
- Concrete tower creates a durable structure for the turbine
- Aerodynamic blade and nacelle designs help to reduce turbulence and noise level
- Integrated and robust mechanical design enables turbine to operate from low wind speeds (2-3 m/s) up to storm conditions (28-34 m/s)
- Absence of hydraulic fluid and lubricating oils in the nacelle makes for an environmentally friendly machine
- Aesthetics of green feet and grey tower help blend turbine into the landscape

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Acoustic Assessment Report

The Ministry of the Environment (MOE) requires a minimum distance of 550 m from the base of a turbine to any non-participating noise receptors (including residences, schools, places of worship, and health care facilities, amongst others). In addition, the MOE requires that cumulative noise levels from turbines and transformer substations cannot exceed 40.0 decibels (dBA) at these receptors.

During operations, mechanical and aerodynamic sound is emitted from turbines, transformer substations and maintenance equipment and vehicles.

An Acoustic Assessment was prepared under the applicable guidelines to ensure Project compliance with MOE requirements. The assessment considered both proposed wind turbine hub heights under consideration (124 m and 135 m).

Cumulative assessment completed to account for noise from other proposed/existing turbines in the area, and to demonstrate compliance with 40.0 dBA.

Mitigation Measures

Turbines have been sited to meet both the 550 m setback and the 40.0 dBA or less noise requirement for non-participating receptors.

All engines associated with maintenance equipment would be equipped with mufflers and/or silencers in accordance with MOE and/or Ministry of Transportation (MTO) guidelines and regulations.

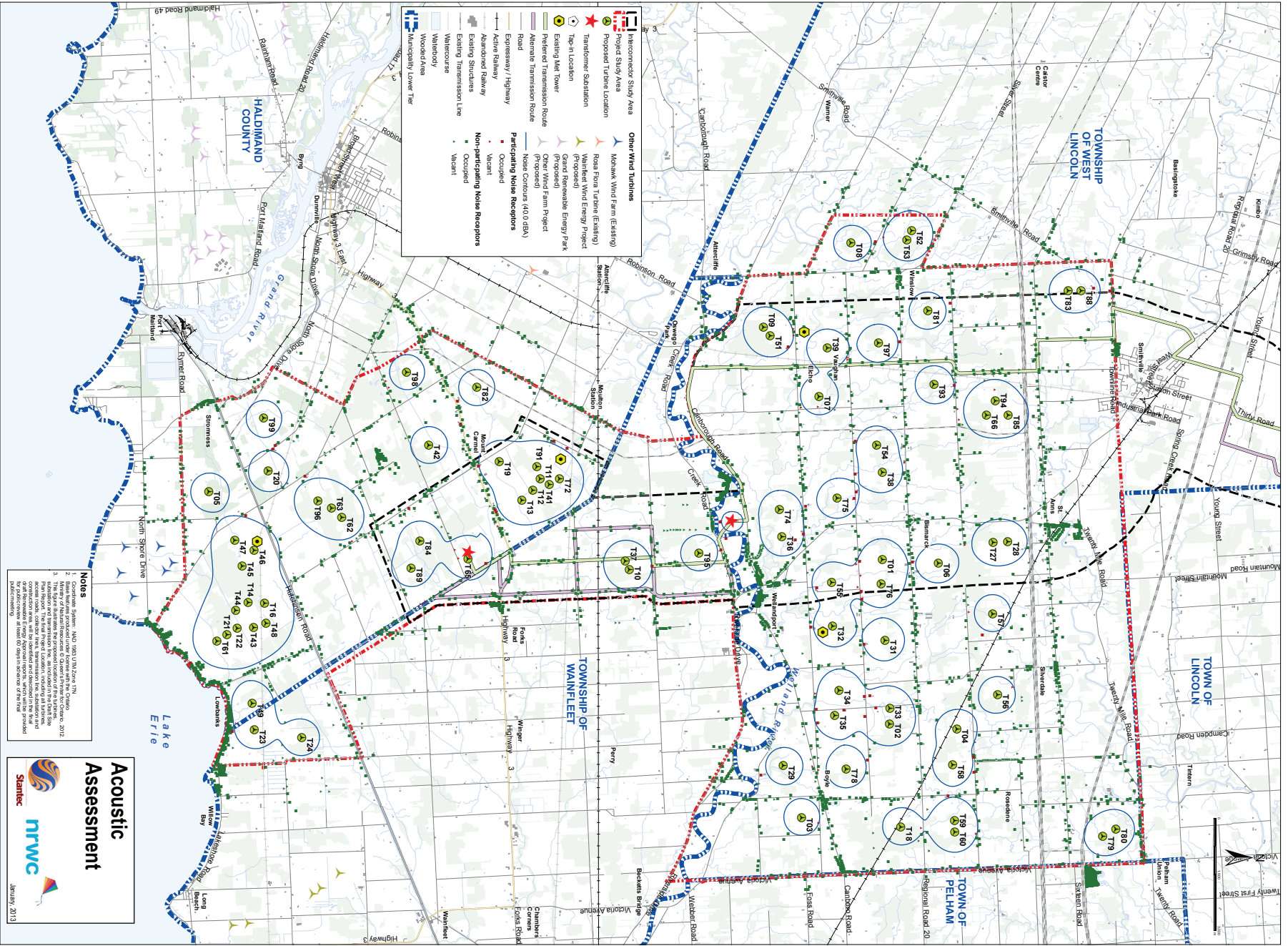
Routine Project maintenance will ensure infrastructure is operating properly and efficiently.

Acoustic audits will be conducted prior to and following operations, as a requirement of the REA approval.

In the event that a malfunctioning turbine results in noise emissions that are above MOE requirements, the problematic turbine(s) will be shut down until corrective measures are taken. Net effects: noise emissions from the turbines and transformer stations will occur, but levels will comply with MOE requirements.

The assessment concluded that all NRWC turbines and transformer substations will be compliant with MOE requirements of a maximum sound level below 40.0 dBA at the nearest non-participating noise receptor. The Noise Assessment was conservatively undertaken using a 124 m tower.





Natural Heritage Assessment and Environmental Impact Study

Background Review:

A Records Review of existing data was completed based on information received from the Ministry of Natural Resources, Niagara Peninsula Conservation Authority, Grand River Conservation Authority and the Niagara Escarpment Commission.

Fieldwork Completed in 2011 and 2012 included:

- Ecological Land Classification Surveys and Vegetation Surveys
- Woodland Habitat Assessments
- Fall and Spring Migratory Bird Surveys
- Winter Raptor Surveys, including surveys for Short-eared Owls
- Amphibian Call Count Surveys
- Bat Maternity Roost Habitat Assessments
- Breeding Bird Surveys

Natural Features within 120 m of the Project include:

- Wetlands, including Provincially Significant Wetlands, Locally Significant Wetlands and unevaluated wetlands
- Significant Woodlands
- Significant Wildlife Habitat features including:
 - o Breeding and migratory bird habitat
 - o Amphibian habitat
 - o Habitat for winter raptors
 - o Deer congregation areas
 - o Snake hibernacula
 - o Turtle nesting habitat
 - o Rare vegetation communities and plant species, including Honey Locust
 - o Special concern and rare wildlife species, including Short-eared Owls
- 3 Life Science Areas of Natural and Scientific Interest (ANSI) and 1 Earth Science ANSI
- Niagara Escarpment Plan Area and associated natural features
- Greenbelt Protected Countryside
- No Provincial Parks or Conservation Reserves occur within the study area.

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Natural Heritage Assessment and Environmental Impact Study

Avoidance

- All project components are located in active agricultural fields or disturbed areas.
- Project components have been sited to avoid wetlands, woodlands and wildlife habitats, where feasible.
- Construction in agricultural fields identified as significant winter raptor habitat will avoid the winter raptor roosting period.

Mitigation

- Avoid vegetation clearing (hedgerows, grasslands) during the migratory bird nesting period.
- Implement and maintain erosion and sediment control measures during construction.
- Dewatering during excavation will require filtration and protection of adjacent natural features.
- Implement contingency plan in case of frac-out during directional drilling of collector lines.
- Maintain current drainage patterns.
- Temporary construction areas will be clearly marked and located outside natural features.

- All refueling and material stockpiling will occur well away from natural features
- No herbicides will be used within significant features or wildlife habitats.

Monitoring

- Construction monitoring to ensure compliance with approved plan and mitigation measures.
- Environmental Effects Monitoring Plan (EEMP) will include:
 - o Disturbance Monitoring to assess potential disturbance effects on:
 - Migratory Birds
 - Winter Raptors, including Short-eared Owls
 - Wetland and Woodland Hydrology
 - o Mortality Monitoring to assess operational effects on birds and bats
 - o Adaptive Management Plan

Restoration

- All disturbed areas will be restored to existing conditions.
- Vegetation Monitoring Plan and Restoration Plan will be implemented.

Net Effects

- No significant adverse impacts are anticipated on significant natural features based on the implementation of the proposed mitigation, restoration, monitoring and adaptive management plan measures.
- Indirect impacts are expected to be short term, temporary in duration and mitigated by standard site control measures, restoration and an adaptive management plan.

The Natural Heritage Assessment and Environmental Impact Study has been reviewed by the Ministry of Natural Resources and written confirmation will be obtained from the MNR prior to submission.

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Water Assessment and Water Body Report

A records review was completed to identify known water features and potential Fisheries habitat.

Fish communities were assessed at selected water bodies within 120 m of construction activities, and a general aquatic habitat assessment was conducted.

146 water bodies were identified within 120m of Project components.

Project operation does not require any water-taking activities for regular or unplanned maintenance.

Potential Effects

- In-water work could potentially affect 36 water bodies containing fish habitat – Fisheries Act Authorization may be required from Fisheries and Oceans Canada, due to culvert crossings associated with turbine access road and collector line installation.
- Potential contamination to groundwater from accidental spills.

Mitigation

- New culverts will be designed and constructed to maintain flow and minimize impacts on fish passage and erosion.
- Construction staging activities would occur in designated areas, at least 30 m from watercourses.
- Spills will be reported immediately to the MOE Spills Action Centre, as applicable.
- An Emergency Response Plan will be developed.
- Vegetation removal in the vicinity of watercourses will be minimized to the extent possible, and areas will be revegetated as soon as possible following construction.
- Work in or near watercourses will be reviewed and permitted by the Conservation Authority - all work will comply with permit requirements to protect aquatic organisms and their habitat.

Monitoring

Construction

- An Environmental Monitor will be on-site during work in or near watercourses to ensure compliance with specifications, site plans, and permits (e.g. Erosion and sediment control measures).
- An Environmental Monitor will perform routine checks of all work in or near water, and all installed mitigation measures. Repairs will be recommended as necessary to prevent impacts to aquatic organisms and their habitat.

Post-Construction

- Post-construction monitoring will occur to ensure site stability and identify needed repairs.
- Additional post-construction monitoring may be conducted, consistent with permitting requirements.

Net Effects

- No potential impacts to surface water, fish and fish habitat are anticipated with proper installation of Project components and appropriate use of maintenance equipment.

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Archaeological Assessment

The Stage 1 and 2 Archaeological Assessment (AA) completed for this Project was conducted in accordance with the 2011 *Standards and Guidelines for Consultant Archaeologists* prepared by the Ministry of Tourism, Culture and Sport (MTCS). The Stage 1 AA included a review of aerial imagery, existing archaeological potential maps, information regarding registered archaeological sites in the vicinity, local physiography and topography, Census returns, 19th century maps of the project area and soil integrity.

The Stage 1 AA determined that all Project areas not previously intensively and/or extensively disturbed had the potential to contain archaeological resources and that Stage 2 AA of all Project infrastructure should occur.

A Letter of acceptance for the Stage 1 Archaeological Assessment – the initial desktop study - was issued by the Ministry of Tourism, Culture and Sport in January 2013.



Field work for the Stage 2 AA involved monitors from local Aboriginal communities, and was completed using both pedestrian survey at 5 m intervals in open, ploughed fields, and test pit excavation at 5 m intervals in woodlots. All areas of potential Project disturbance were assessed using one of these methods. A total of 191 archaeological locations were documented during the Stage 2 AA.

- 41 artifact clusters and 100 isolated findspots were identified and recorded for which the cultural heritage interest and value of the site has been sufficiently addressed at the Stage 2 Archaeological Assessment, and no further assessment is required.
- 50 archaeological sites were identified which meet criteria for further assessment and have been recommended to proceed to a Stage 3 assessment.

The Stage 2 Archaeological Assessment – the field work – is currently under review with the MTCS.

Mitigation

Prior to the start of construction, Stage 3 AA will be required at 50 sites, and Stage 4 AA will also be conducted, if required.

In the event that archaeological resources are accidentally encountered during construction:

- all work within the vicinity of an archaeological find will be suspended;
- the Ministry of Tourism, Culture and Sport would be contacted; and,
- Aboriginal communities would be contacted.

No net effects to archaeological resources are anticipated.

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Heritage and Protected Properties Assessment

A Heritage Assessment and Protected Properties Assessment was completed for this Project, and included a review of historic period maps, aerial imagery, Census data, and municipal/agency records and inventories held by Niagara Region, Haldimand County, Town of Grimsby, Townships of Wainfleet, West Lincoln, and Lincoln, Ontario Ministry of Tourism, Culture and Sport, and the Ontario Heritage Trust.



Heritage Assessment

Potential Effects

- Although 77 built heritage resources and 34 cultural heritage landscapes were identified, no direct operation- or construction-related impacts were identified.
- Two built heritage resources, the Elcho United Church Cemetery and West Lincoln McCaffrey Cemetery, have potential for visual impacts.

Mitigation

- Work directly with Elcho Cemetery Board to design and install an appropriate visual barrier around the cemetery to protect views.
- Install transmission line poles on east side of Port Davidson Road (opposite side of road from the West Lincoln McCaffrey Cemetery).

Minimal indirect visual impacts anticipated.

Protected Properties Assessment

Potential Effects

- Although 12 protected properties were identified, no direct operation- or construction-related impacts were identified.
- Potential for visual impacts to the Mount Carmel Cemetery and Mount Carmel United Brethren Church.
- Comfort Barn is a protected property hosting Project Infrastructure.

Mitigation

- Work directly with the municipality and cemetery board to design and erect appropriate visual barriers (i.e., tree plantings, fencing) on the northern, western and southern boundaries of the Mount Carmel cemetery.
- Junction box at the intersection of Hutchinson Road and Highway 3 should be located at the northwest corner of the intersection.

Minimal indirect visual impacts anticipated.

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Health & Wind Power

Public health and safety will be considered during all stages of the Project.



Audible/Inaudible Noise: Ontario's Chief Medical Officer of Health (May 2010) conducted a review of the scientific literature related to wind turbines and public health. The review concluded that:

“while some people living near wind turbines report symptoms such as dizziness, headaches, and sleep disturbance, the scientific evidence available to date does not demonstrate a direct causal link between wind turbine noise and adverse health effects. The sound level from wind turbines at common residential setbacks is not sufficient to cause hearing impairment or other direct health effects, although some people may find it annoying.”

Shadow flicker: Scientific evidence suggests that shadow flicker from wind turbines does not pose a risk of photo-induced seizures; modern wind turbines simply do not rotate at a speed that has been linked to this condition (generally less than 20 rpm vs. over 60 rpm).

EMF: Health Canada (2012) has stated:

“Health Canada does not consider that any precautionary measures are needed regarding daily exposures to EMFs at ELF. There is no conclusive evidence of any harm caused by exposures at levels found in Canadian homes and schools, including those located just outside the boundaries of power line corridors”.

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Health & Wind Power



Overall, health and medical agencies agree that when sited properly, wind turbines are not causally related to adverse effects*.

“Ontario doctors, nurses, and other health professionals support energy conservation combined with wind and solar power – to help us move away from coal”*.**

Many studies have been conducted world-wide to examine the relationship between wind turbines and possible human health effects (e.g., audible/inaudible noise, shadow flicker, electromagnetic fields (EMF)).

Scientists and medical experts around the world continue to publish research in this area. In fact, Health Canada will be undertaking a study of wind turbine projects across the country, with results expected in 2014. It is important to note that Health Canada has not called for a moratorium on new wind projects across Canada while they undertake their research. Through our health consultants, NRWC is committed to keeping informed on this issue.

*Chatham-Kent Public Health Unit, 2008; Australian Government, National Health and Medical Research Council, 2010; Australian Government, 2011; Massachusetts Department of Environmental Protection (MassDEP) and Massachusetts Department of Public Health (MDPH), 2012.

**Ontario College of Family Physicians, Registered Nurses Association of Ontario, Canadian Association of Physicians for the Environment, Physicians for Global Survival, the Asthma Society of Canada, and the Lung Association.

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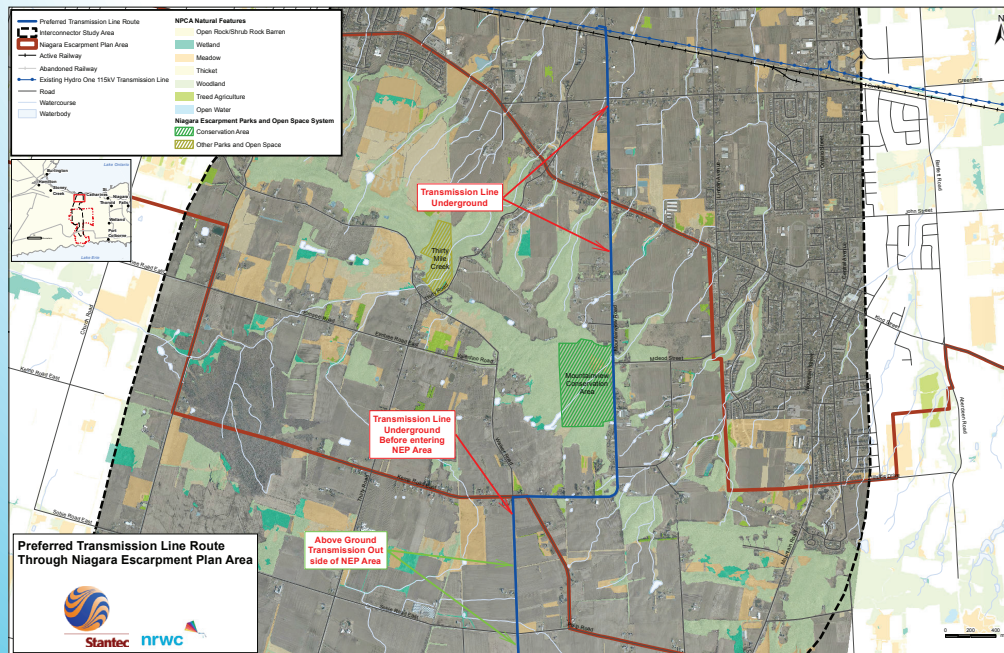
Niagara Escarpment Commission

A Development Permit is required from the Niagara Escarpment Commission (NEC) for the construction of the underground transmission line within the Mountainview Road right-of-way through the Niagara Escarpment Plan Area.

The Project Team has consulted with the NEC, as well other stakeholders including the Town of Lincoln, Niagara Peninsula Energy Inc., Bruce Trail Association, Niagara Peninsula Conservation Authority and local residents to refine the location, design and construction of this section of transmission line.

A corridor and route selection study was completed for NRWC that identified Mountainview Road as the preferred transmission line route. This study was peer reviewed by Morrison Hershfield on behalf of the NEC which supports the selection of Mountainview Road as the preferred route.

A Development Permit application was submitted to the NEC in November 2012. Approval of this application is anticipated in February 2013 following consultation with NEC staff and consideration by the Niagara Escarpment Commission.



Timeline



On-going consultation with agencies and local community members, Aboriginal communities, and municipalities

- 2011**
 - Feed-In-Tariff contract awarded – February 2011
 - Field programs and technical work commenced – Summer, 2011
 - Notice of Proposal to Engage in a Renewable Energy Project – July 2011
 - Community Meeting – July 26, 2011
 - Draft Project Description Report provided to Ministry of the Environment, Aboriginal Communities, and The Niagara Escarpment Commission – August 3, 2011
 - Draft Project Description Report provided to Municipalities – August 3, 2011
 - Public Meeting #1 – September 13, 14 and 15, 2011
- 2012**
 - Notice of Draft Site Plan, Revised Study Area and Public Meeting released – August 2012
 - Draft Project Description Report and Site Plan Report released – August 2012
 - Notice of Draft Site Plan, Revised Study Area and Public Meeting; Draft Project Description Report; and, Site Plan Report – August 2012
 - Public Meeting # 2 – September 2012
 - Municipal Consultation Form provided to Municipalities – November 2012
 - Notice of Draft Site Plan and Notice of Final Public Meeting – December 2012'
- 2013**
 - TODAY: Final Public Meetings – (February 5, 6 and 7, 2013)**
 - REA Application Submitted to MOE – Spring 2013
 - REA Issued by MOE Anticipated – Fall 2013
 - Start Construction – Fall 2013
- 2014**
 - Repowering/Decommissioning (Approximately 25 years after COD)



Community Benefits

NRWC plans to be an active and good neighbour.



We will be establishing a Community Benefits Fund, where a portion of the Project's revenue will be reinvested in the local community, with the input of local municipalities.

The Project would also be a positive benefit to the community:

- Approximately \$5 million in new local property tax revenue over 20 years, and approximately \$80 million in revenue to local landowners, would be generated
- Employment during construction and operations
- Secondary source of income for local farmers and landowners
- New supply of safe and clean energy
- Helps to meet Ontario's commitment to renewable energy and phasing out of coal-fired power plants
- Helps to meet forecasted energy demand while reducing greenhouse gas levels
- The Project Team has committed to giving back to each municipality by establishing local community vibrancy funds
- In communities with turbines, NRWC is committed to contribute \$3,500 per MW per year for 20 years
- In communities with transmission lines, NRWC is committed to contribute \$5,000 per kilometer per year
- The way in which these funds will be spent will be determined locally

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Economic Benefits

The Niagara Region Wind Project will provide significant economic benefits for the local community.

A study conducted by AECOM Canada Inc. to explore employment and income impacts shows that the Project has the ability to significantly positively impact unemployment rates in the region and across Ontario.

The Niagara Region Wind Project will create approximately 770 jobs annually during the four-year development and construction period and 120 long-term jobs during the subsequent 20-year operational period.

The project will generate \$230 million in direct Ontario-based capital expenditures.



NRWC will be contributing over \$20 million to local project communities through community vibrancy funds

In September 2011, ENERCON announced it will be building two manufacturing facilities in the area:

1. A tower manufacturing facility; and,
2. A converter and control panel manufacturing facility.

On June 8, 2012, ENERCON Canada announced the establishment of a converter and control panel manufacturing facility on Bartlett Road in the Town of Lincoln.

1. The facility will create over 50 new high quality, skilled jobs, and hiring has already commenced.
2. The facility represents a \$5 million investment.
3. This represents over \$9.39 million in contributions back to our communities.
4. NRWC's contract with ENERCON Canada to supply and maintain 77 wind turbines has anchored this investment in the Town.

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We Want to Hear From You!



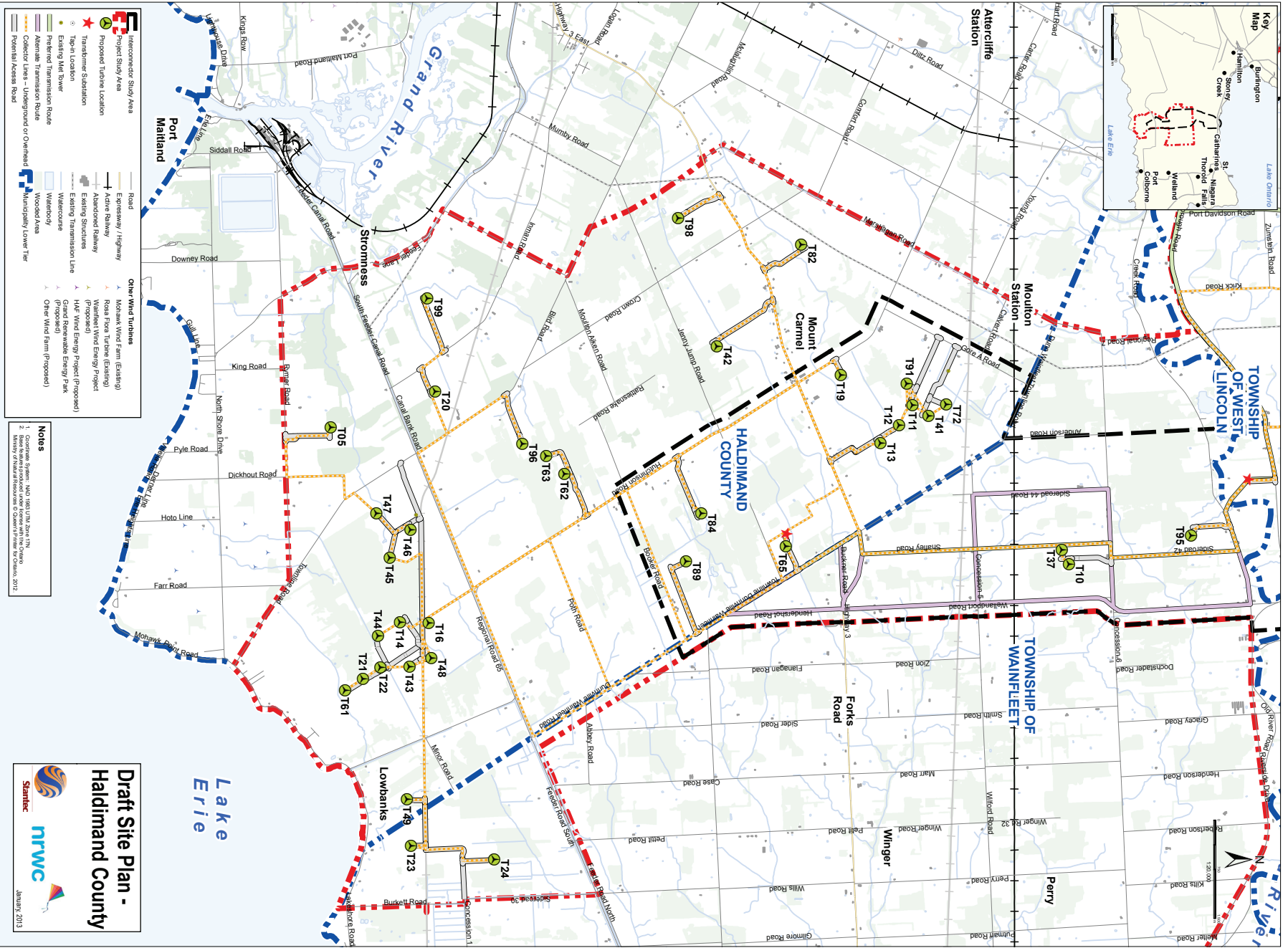
Opportunities for feedback:

- Any comments received by February 14, 2013 will be considered and included in the Consultation Report to be provided to the MOE as part of the REA application.
- Sign up at the front entrance to be added to the project notification list.
- Pick up and fill out a paper questionnaire today.
- Call us to share your thoughts toll-free at 1-855-720-2892.
- Email your thoughts to info@nrwc.ca.
- Visit us on the web at www.nrwc.ca for copies of our information boards and for additional project details.

Copies of the display boards from this Public Meeting are available on the Project website (www.nrwc.ca). The Draft REA Reports will continue to be available for review online and at various viewing locations across the affected municipalities. Please reference the Notice of Final Public Meeting for details on where to view to these reports.

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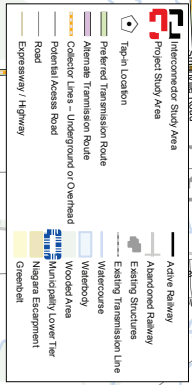
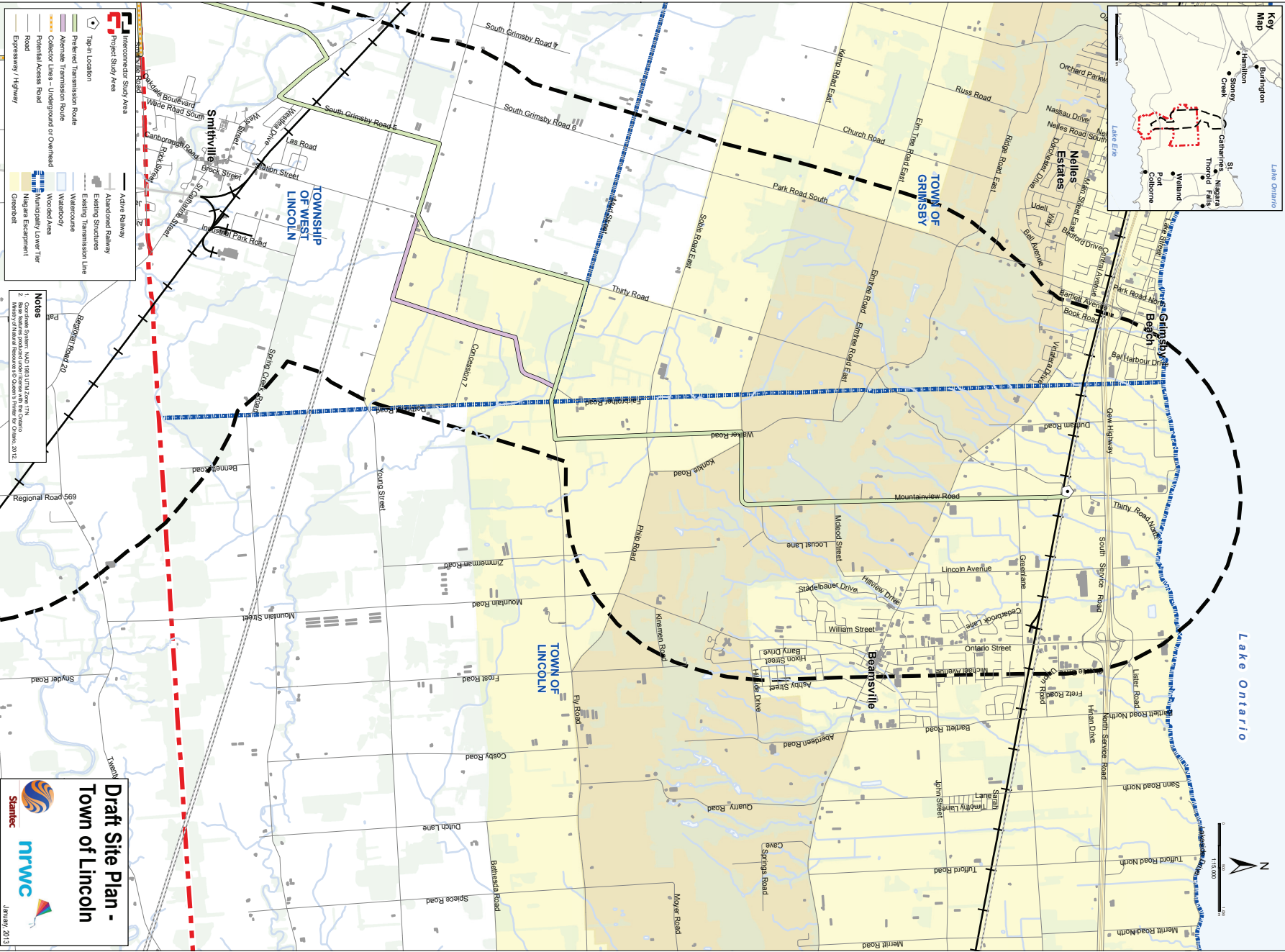


- Interconnected Study Area**
- Project Study Area
 - Proposed Turbine Location
 - Transmission Station
 - Top-in Location
 - Existing Mill Tower
 - Preferred Transmission Route
 - Alternate Transmission Route
 - Collector Lines - Underground or Overhead
 - Potential Access Road
- Road**
- Expressway / Highway
 - Active Railway
 - Abandoned Railway
 - Existing Structures
 - Existing Transmission Line
 - Watercourse
 - Wooded Area
 - Municipality Lower Tier
- Other Wind Turbines**
- Mohawk Wind Farm (Existing)
 - Rosa Foa Turbine (Existing)
 - Preserve Wind Energy Project (proposed)
 - HAZ Wind Energy Project (proposed)
 - Grand Renewable Energy Park (proposed)
 - Other Wind Farm (proposed)

- Notes**
1. Not to Scale
 2. Subject to Provincial and Federal Approval
 3. Subject to Provincial and Federal Approval
 4. Subject to Provincial and Federal Approval
- Map of Haldimand County, Ontario, 2013

Draft Site Plan -
Haldimand County

January 2013



Notes

1. Consultation with the Niagara Region and the Town of Lincoln.
2. Consultation with the Niagara Region and the Town of Lincoln.

**Draft Site Plan -
Town of Lincoln**

January, 2013



