Niagara Region Wind Project

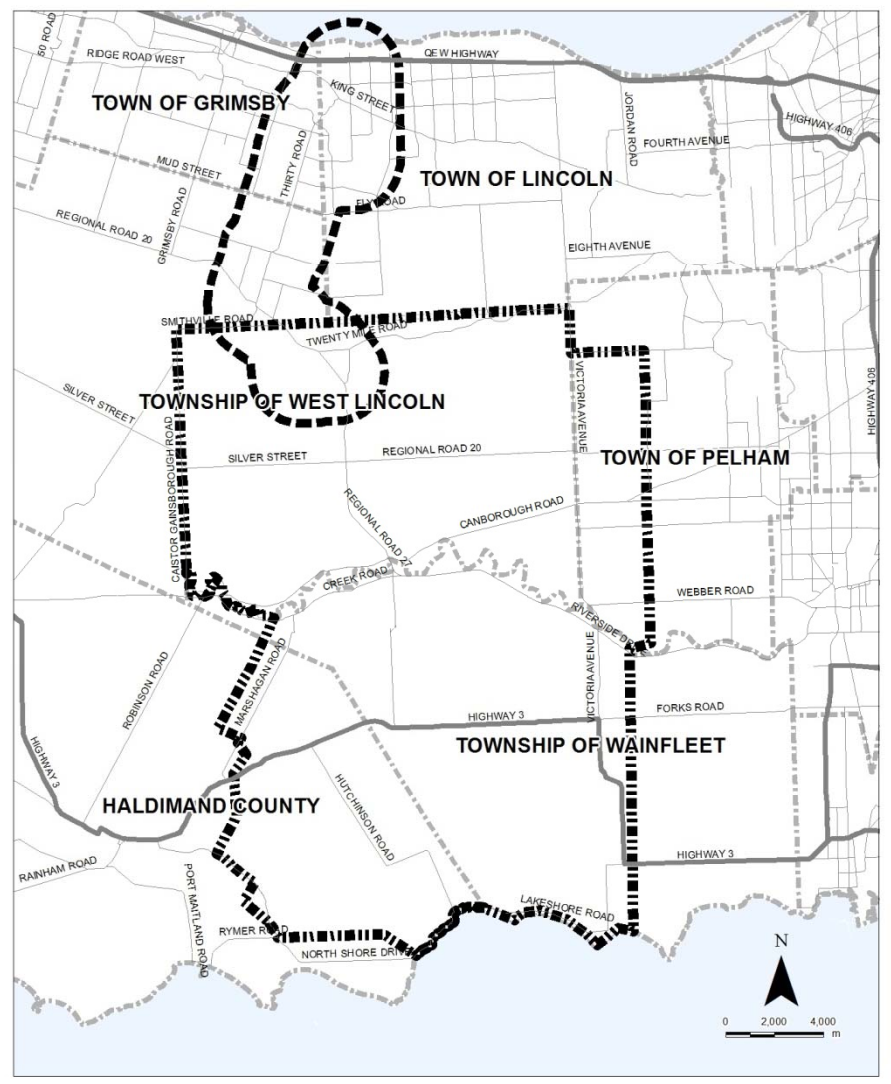
Presentation to:

Township of West Lincoln

Council Meeting

March 26, 2012

Project Overview



- 230 MW Wind Power Project
- Feed-in-Tariff (FIT) contract awarded in February 2011
- Located in Niagara Region and Haldimand County
- 77 Turbines
- Access, Collection and Transmission Systems

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Presentation of New Information

- Consultation overview
- Revised land map
- Wind resource assessment update
- Community Vibrancy Fund
- Update on environmental studies and schedule
- Turbine technology overview

Consultation

- **Since our last presentation to Council, we have consulted with the following organizations:**
  - MOE, MNR
  - Niagara Escarpment Commission
  - Hamilton International Airport
  - Niagara Peninsula Conservation
  - Grand River Conservation Authority
  - Niagara Peninsula Energy
  - Haldimand County Hydro
  - Hydro One, IESO
  - Six Nations
  - Niagara Region Metis Council
  - Niagara College, Mohawk College

Land Lease Holdings

- Last presented a land map in September 2011
- This map is current as of March 2012
- Currently, approximately 65% of the land holdings are in West Lincoln
- This updated map highlights an increase in land holdings to the south

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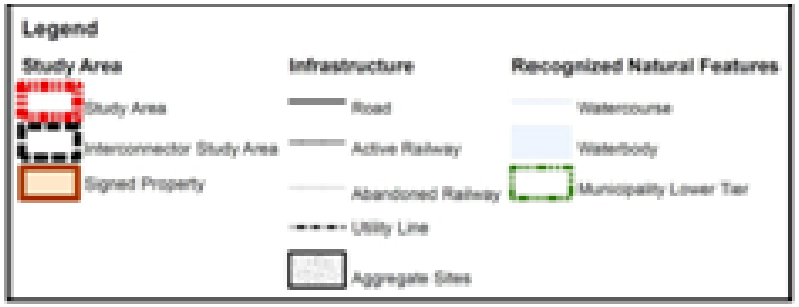
Leased Land



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Wind Resource Assessment

- **NRWC has bolstered its wind resource assessment program**
- **Currently have one SODAR unit and three 100 metre MET masts erected.**
- **SODAR unit was moved to Haldimand County in February, after collecting data in West Lincoln since February 2011.**
- MET Mast 1 – has been in West Lincoln since August 2011
- MET Mast 2 – erected in West Lincoln in February 2012
- MET Mast 3 – erected in Haldimand County in February 2012

Environmental Update

- Fall migratory bird studies completed
- Winter raptor study completed
- Ecological land classification underway
- Noise studies and site selection underway
- Currently preparing for Spring and Summer program. Ministry of Natural Resources (MNR) has reviewed and agreed with our study approach.

Community Vibrancy Fund

- NRWC is committed to investing in the broader West Lincoln community
- To that end, we are proposing to establish a Community Vibrancy Fund
- Fund contributions would be based on a fee per MW model – allowing NRWC to proportionally contribute to the communities in which we are operating
- Fund structure –the fund should represent many local interests. There are many structure options: Board, Committee of Council, Community Liaison Committee. Representation could include:
    - West Lincoln Council members
    - Project landowners
    - Members of the public from West Lincoln
    - Members of West Lincoln's business community

Proposed Schedule

- On track with the schedule that was previously presented.
- Undertaking Technical Studies (through 2012) (Environmental, Engineering)
- Public, Municipal, Agency & LDC Consultation (Ongoing)
- Second Public Meetings (Early 2013)
- Submissions of REA Application (Spring 2013)
- Start of Construction (Fall 2013)
- Commercial Operation (2014)

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Turbine

- ENERCON will be providing 77 3 MW turbines for the project
- E-101 model, direct drive and gearless, environmentally superior, technologically advanced
- World renowned organization willing to bring jobs to the Region
- Locating two manufacturing facilities in Niagara Region
  - roving concrete tower facility
  - converter and control panel manufacturing facility

Comments or Questions?

Thank You

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