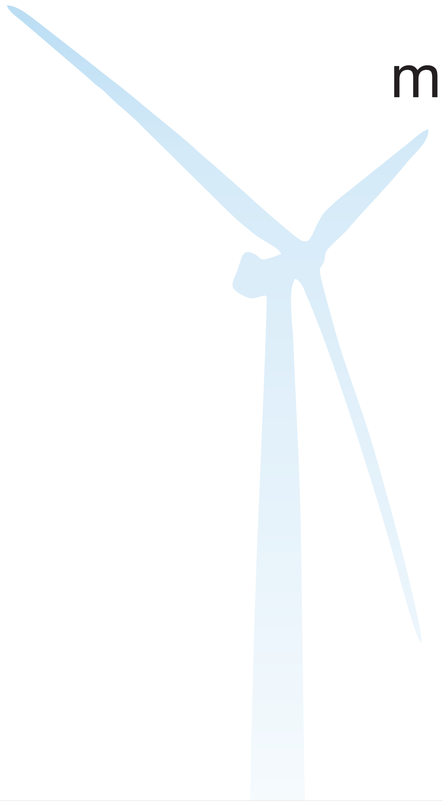
WELCOME

To the St. Columban Wind Project Open House!

Thank you for coming. We are here to answer your questions, and provide information on the proposed wind facility. Please view the display panels, speak with members of the study team, and complete a questionnaire with your comments.



St. Columban Energy LP

Objectives of This Public Open House

- Provide a status update on the proposed St. Columban Wind Project (the Project).
- Provide an overview of the Renewable Energy Approval (REA) process.
- Share results of the environmental studies which have been completed to date.
- Answer questions about the Project and outline next steps.
- Receive the community's input and feedback for consideration by the Project team as St. Columban Energy LP finalizes the reports for submission to the Ministry of the Environment (MOE).

ST. COLUMBAN ENERGY LP

St. Columban Energy LP

The Project

- Municipality of Huron East, Township of Howick, and Municipality of Morris-Turnberry
- 15 Turbines, 33 MW (maximum capacity)
- A 34.5 kV - approximately 43 km underground electrical interconnection line
- Infrastructure includes access roads, buried electrical collector lines, two points of connection to the existing Hydro One network, a transformer station, and two small unserviced electrical control buildings
- All Project components are on private land and within municipal rights-of-way

Project Benefits

- Zero emissions – helps meet forecasted energy supply requirements while reducing greenhouse gas levels
- Helps meet Ontario's commitment to renewable energy and phasing out of coal-fired power plants
- New local investment
- Secondary source of income for farmers and landowners

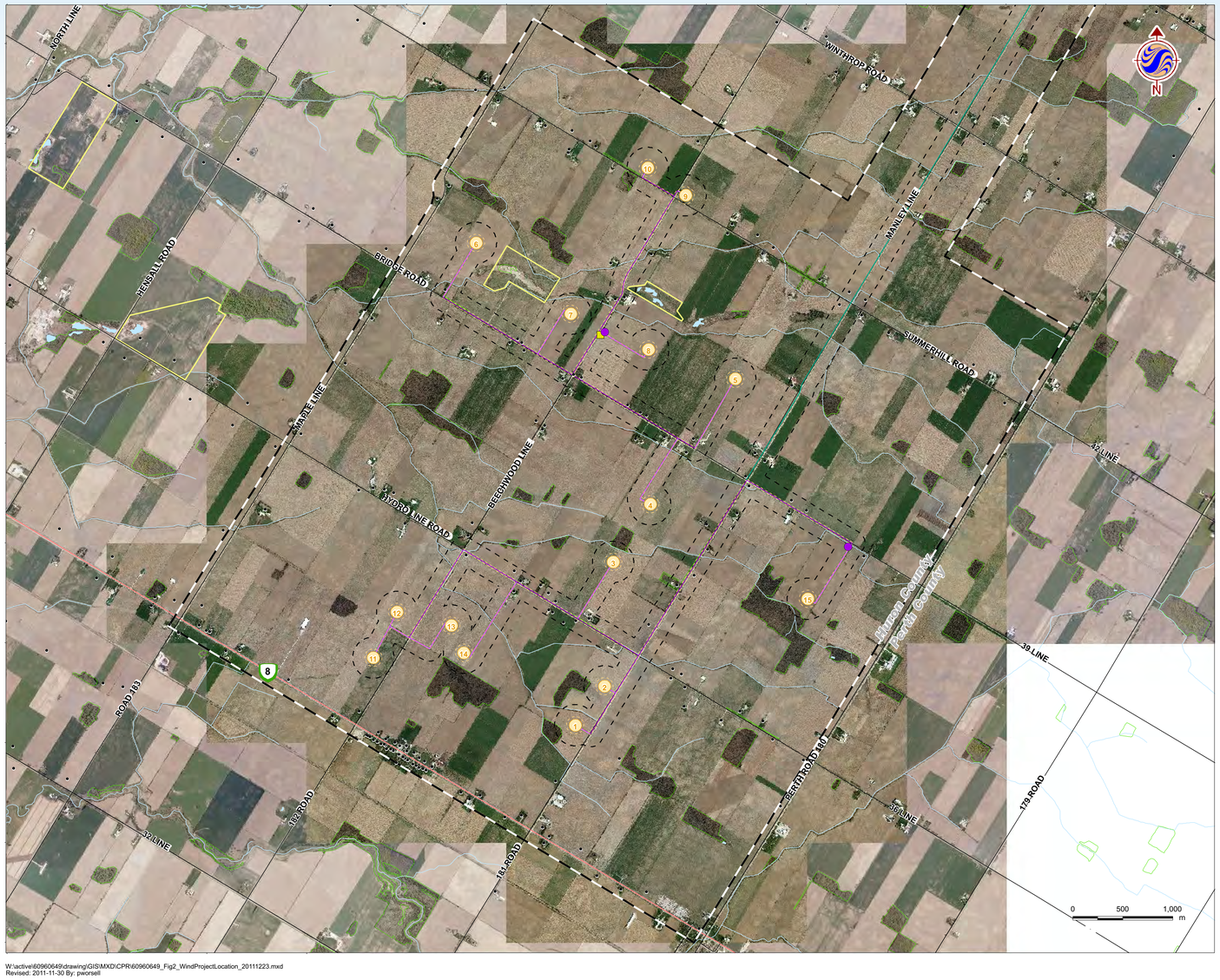
ST. COLUMBAN ENERGY LP

Site Selection - Why St. Columban?

- Good Wind Regime – 6 years of wind monitoring have verified the site capacity
- Sufficient distance between the turbines to account for wind energy loss between turbines
- Compatible Land Uses – agricultural land requiring a small footprint for Project components
- Landowner Interest in hosting turbines
- Electrical Interconnection – the project has access to connect to transmission capacity on the Hydro One provincial grid
- Environment – studies of local environmental features show that the Project will have no/low impact on wildlife and natural features
- Local economic benefit - jobs, municipal tax revenue, keeps famers farming as supplemental income on participating lands
- Site Access – good existing road infrastructure
- Flat Topography

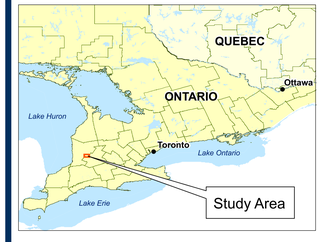
ST. COLUMBAN ENERGY LP

Wind Project Study Area and Project Location



Legend

- Study Area
- 120m Zone of Investigation
- Turbine Location
- Noise Receptor
- Point of Connection
- Unserviced Electrical Control Building
- Construction Area
- Access Road
- Underground Collector
- Proposed Underground Electrical Interconnection Line Route
- Highway
- Road
- Watercourse
- Waterbody
- Aggregate Site
- Wooded Area



Notes

1. Coordinate System: UTM NAD 83 - Zone 17 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthographic Imagery: © First Base Solutions - Imagery Date: 2010, 2006.

Stantec

December 2011
160960649

Client/Project
ST. COLUMBAN ENERGY LP
ST. COLUMBAN WIND PROJECT

Figure No.
2.0

Title
WIND PROJECT LOCATION

W:\active\60960649\drawing\GIS\MXD\CPR\60960649_Fig2_WindProjectLocation_20111223.mxd
Revised: 2011-11-30 By: pworsell

Wind Turbine Details

15 Siemens SWT 2.3-101/SWT 2.3-113 wind turbine generators with a maximum installed nameplate capacity of 33 MW.

Manufacturer	Siemens	Siemens
Model	SWT 2.3-113	SWT 2.3-101
Name plate capacity (MW)	2.3 MW	2.3 MW
Hub height above grade	99.5 m	99.5 m
Blade length	55 m	49 m
Full blade diameter	113 m	101 m
Blade sweep area	10,000 m	8,000 m
Speed range	6-13 rpm	6-16 rpm
Frequency spectrum	60 Hz	60 Hz

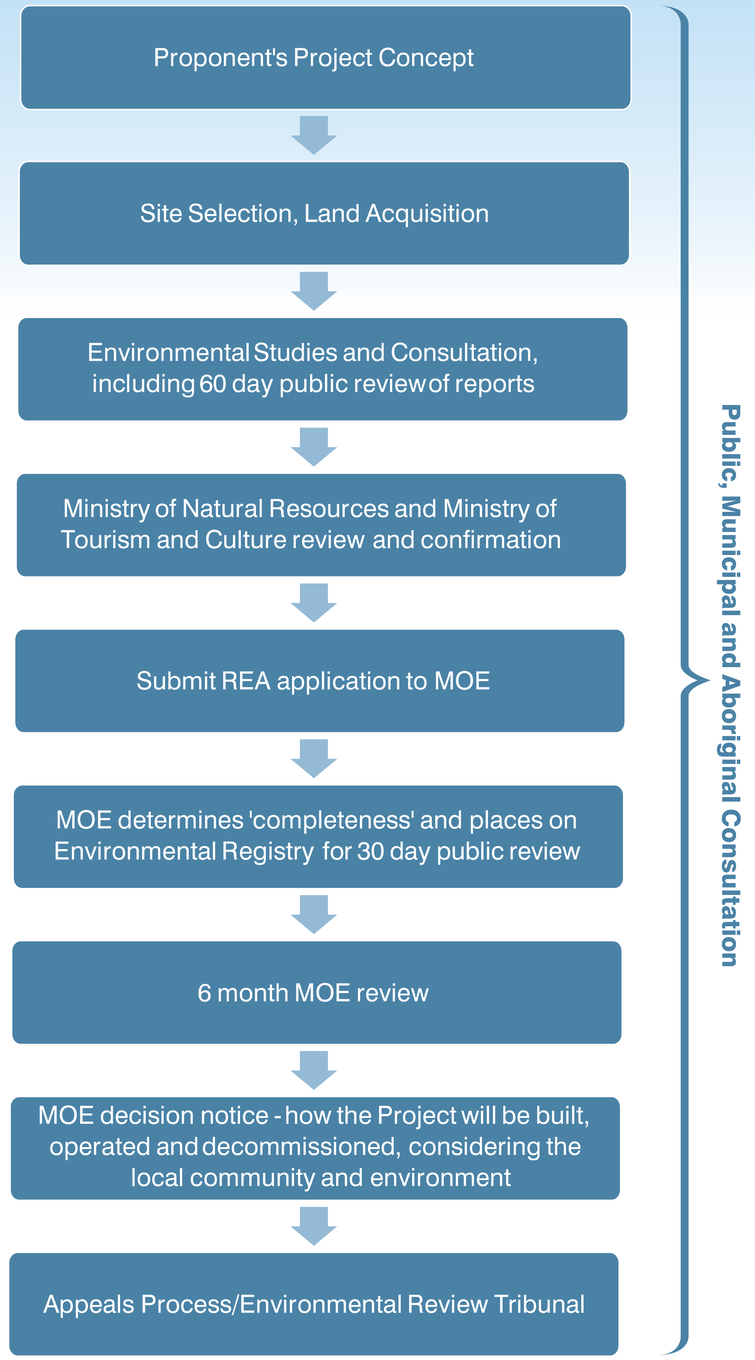
To be conservative, two turbine models are being assessed as part of the Renewable Energy Approval (REA) process – the SWT 2.3-113 (113m blade span) and the SWT 2.3-101 (101m blade span).

- For the noise assessment, the SWT 2.3-101 is being assessed, due to its higher noise level.
- For potential impacts to the natural environment, and property line setback assessments, the SWT 2.3-113 is being assessed, due to its longer blade length.

This conservative approach will ensure the 'worst case scenario' is being assessed.

Renewable Energy Approval (REA) 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, was amended on January 1, 2011, and replaces the previous Ontario *Environmental Assessment Act* process for wind projects.
- The REA application for the St. Columban Wind 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 sought during the REA process.



Renewable Energy Approval Process - Setbacks

- A key component of the REA process is the establishment of common setbacks for all renewable energy facilities in the Province.
- Where Project related infrastructure will be located within the setback distances, additional analysis, including an Environmental Impact Study, will be provided in the REA application and summarized in the Final Project Description Report.
- Key setbacks which will be applied throughout the design of the Project are as follows:

Feature	Setback Distance
Non-participating noise receptor	550 m (from turbine base)
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
Provincially significant ANSI (Earth Science)	50 m
Provincially significant ANSI (Life Science)	120 m
Significant valleyland	120 m
Significant woodland	120 m
Significant wildlife habitat	120 m
Lake or a permanent or intermittent stream	120 m from the average annual high water mark
Seepage area	120 m

Technical Studies

Environmental studies have been completed to fully understand the local environment and have been considered in the development of the Project layout.

The technical studies include in-depth analysis of:

- Wildlife and wildlife habitat, including Species at Risk and Significant Wildlife Habitat
- Bird breeding, wintering, and migration areas
- Waterbodies and aquatic resources
- Woodlands, vegetation, and other significant natural features (e.g. wetlands and Areas of Natural and Scientific Interest)
- Archaeological Features, Built Heritage Features and Protected Properties

All of the technical studies will be provided within the REA reports in draft form for public review and comment at least 60 days before the Final Public Open House, planned for late spring 2012.

ST. COLUMBAN ENERGY LP

Health and Wind Power

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

- Many studies have been conducted world-wide to examine the relationship between wind turbines and possible human health effects.
- In Ontario "*Ontario doctors, nurses, and other health professionals support energy conservation combined with wind and solar power – to help us move away from coal*"

  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

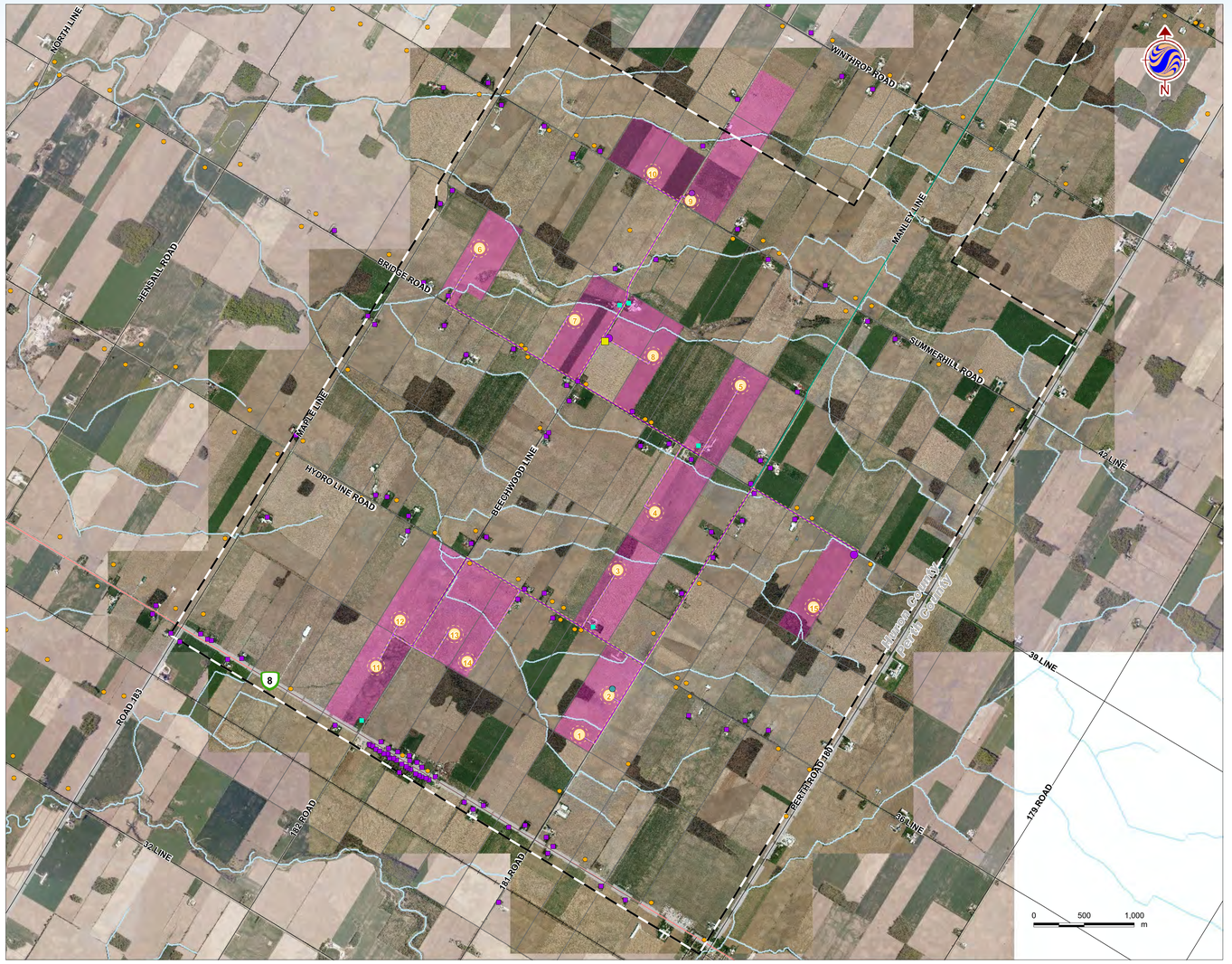
- In "The Potential Health Impact of Wind Turbines" (May 2010), Ontario's Chief Medical Officer of Health examined the scientific literature related to wind turbines and public health, considering potential effects, such as dizziness, headaches, and sleep disturbance. The report concluded that:
  - *"…the 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."*
  - The report also concluded that low frequency sound and infrasound from current generation upwind model turbines are well below the pressure sound levels at which known health effects occur. Further, the report states that there is no scientific evidence to date that vibration from low frequency wind turbine noise causes adverse health effects.
- Overall, health and medical agencies agree that sound from wind turbines is not loud enough to cause hearing impairment and is not causally related to adverse effects*.
- Scientists and medical experts around the world continue to publish research in this area. Through our health consultants, St. Columban Energy LP is committed to keeping informed on this issue.

*e.g., Chatham-Kent Public Health Unit, 2008; Minnesota Department of Health, 2009; Australian Government, National Health and Medical Research Council, 2010; Australian Government, 2011

ST. COLUMBAN ENERGY LP

Noise Assessment

- A Noise Assessment Report has been completed for the Project to ensure it complies with MOE requirements.
- Sound levels will be below 40 dBA, and all turbines have been sited more than 550m from all non-participating receptors (including residences).



W:\active\60960649\drawing\GIS\MXD\CPR\60960649_Fig6_0_NoiseReceptor_20120118.mxd

Legend

- Study Area
- Turbine Location
- Construction Area
- Underground Collector
- Proposed Underground Electrical Interconnection Line Route
- Access Road
- Property Boundary
- Point of Connection
- Unserviced Electrical Control Building
- Highway
- Road
- Railway
- Watercourse
- Optioned Property

Noise Receptors (As defined under 0.Reg 359109)

- Participating
- Non-Participating
- Vacant Lot

Notes

1. Coordinate System: UTM NAD 83 - Zone 17 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthographic Imagery: © First Base Solutions - Imagery Date: 2006 & 2010.

Stantec

December 2011
160960649

Client/Project
ST. COLUMBAN ENERGY LP
ST. COLUMBAN WIND PROJECT

Figure No.
6.0

Title
NOISE RECEPTORS
WIND PROJECT LOCATION

Natural Heritage Assessment

Natural features within 120 m of the Project Location (proposed construction area) were assessed (where access was granted) for significance and potential effects of construction, operation and decommissioning of the Project.

Findings:

- There are no wetlands within the proposed construction area. There are provincially significant and locally significant wetlands within 120 m of the proposed construction area; these were all conservatively assessed by the Project Team as provincially significant to ensure their protection.
- One Life Science Area of Natural and Scientific Interest (ANSI) was found within 120 m of the proposed construction area for the interconnection line.
- One deer yard was found within 120 m of the northern end of the proposed underground electrical interconnection line route.
- Public input resulted in a 2011 survey for Tundra Swans.
- No seasonal concentration areas for birds were identified.
- Two potential woodland amphibian breeding ponds were identified within 120 m of the proposed construction area.
- No animal movement corridors, bat hibernacula (overwintering) or maternity roosts were identified.
- Although the Project is within an area where species at risk may be found, it is anticipated that the Project will not have negative impacts on these species or their habitats. If, after completion of the species at risk analyses, it is determined that there is potential to negatively impact the species or its habitat, the Project will ensure that the affected species and/or its habitat will receive an overall benefit by working closely with MNR.

Mitigation measures will be put in place to reduce or eliminate potential effects to provincially significant wetlands and significant woodlands. The Project has been sited to avoid natural features, and the interconnection line will be entirely within the municipal road allowance, significantly reducing or even eliminating potential effects on adjacent natural features.

Potential impacts on all features were not determined to be significant and can be mitigated through standard practices and timing windows.

Water Body Assessment

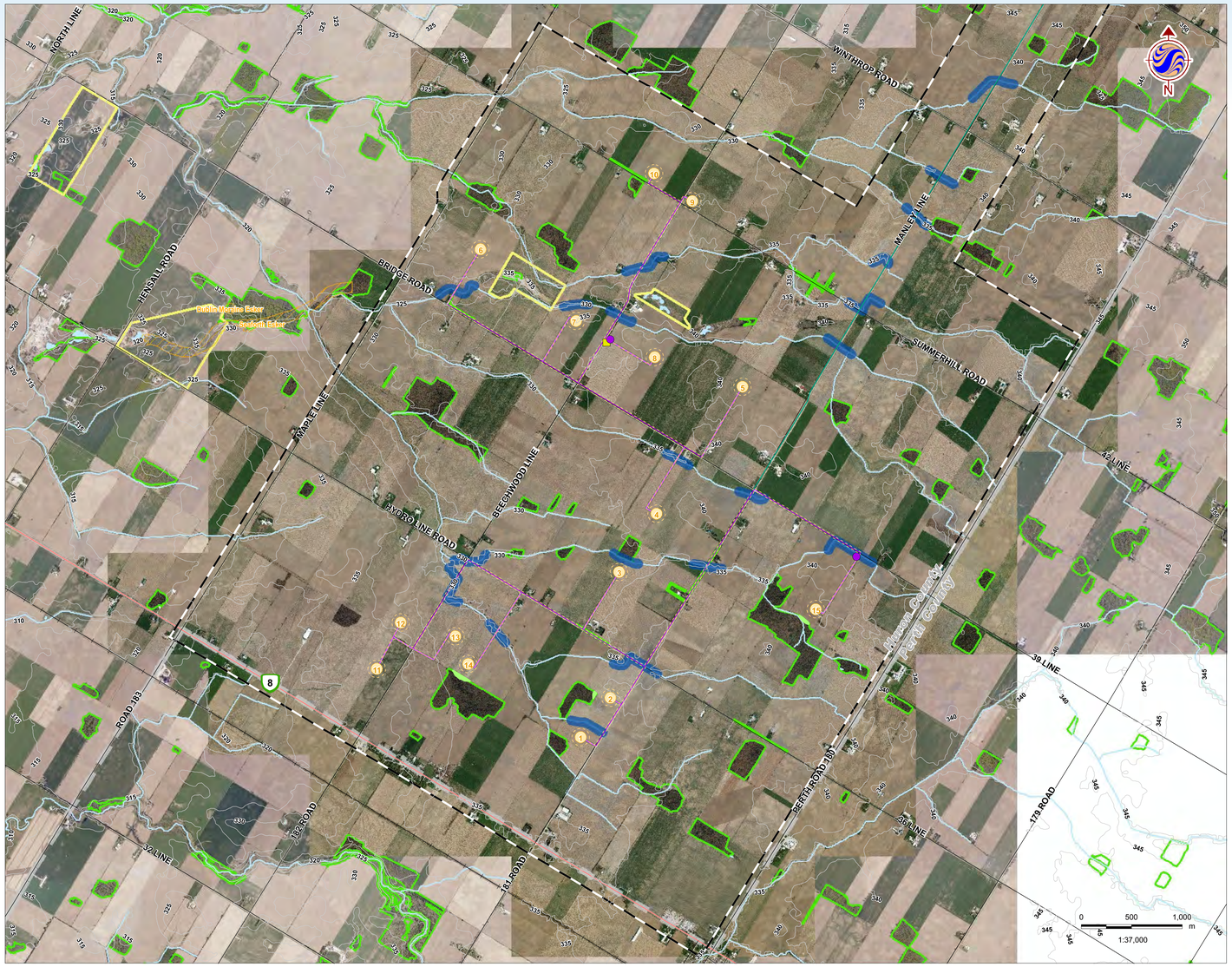
Water Features

- Seven watercourses are present within 120 m of the Wind Project Location (construction area); three are within the construction area – Ryan Drain (T7), Woods Drain (T3) and Carpenter Drain (T1)
- Water crossings with culverts are required at Krouskopf Drain (T4), Ryan Drain (T6), Canada Company Drain (T14), and Woods Drain (T15); T14 and T15 will require resizing of existing culverts
- Twenty-three watercourses are within 120 m of the construction area for the underground electrical interconnection line – all will be crossed by directional drilling under the watercourses
- Project infrastructure, including access roads and buried electrical cable, could impact watercourses
- Mitigation will include direction drilling, construction of appropriate sediment and erosion controls, and using Operational Statements from the Department of Fisheries and Oceans
- No impacts to fish or fish habitat are anticipated if mitigation measures are followed.

St. Columban Wind Project

ST. COLUMBAN ENERGY LP

Natural Heritage Assessment & Water Body Assessment



Legend

- Study Area
- Turbine Location
- Point of Common Coupling
- Unserviced Electrical Control Building
- Construction Area
- Proposed Underground Electrical Interconnection Line Route
- Underground Collector
- Access Road
- Property Boundary
- Highway
- Road
- Railway
- Regionally Significant Earth Science ANSI
- Aggregate Site
- Watercourse
- REA Waterbody (as defined in O.Reg 359/09)
- Waterbody
- Wooded Area
- Significant Natural Features
- Contour Line (Metres)

Notes

1. Coordinate System: UTM NAD 83 - Zone 17 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthographic Imagery: © First Base Solutions - Imagery Date: 2010, 2006.

Stantec

December 2011
160960649

Client/Project
ST. COLUMBAN ENERGY LP
ST. COLUMBAN WIND PROJECT

Figure No.
7.0

Title
NATURAL HERITAGE FEATURES WIND PROJECT LOCATION

W:\active\60960649\drawing\GIS\MXD\CPR\60960649_Fig7_NaturalFeaturesWindProjectLocation_20120118.mxd
Revised: 2011-03-11 By: pworsell

ST. COLUMBAN ENERGY LP

Built Heritage, Protected Properties and Archaeological Assessments

Stage 2 Archaeological Assessment (field studies) conducted for all Project components

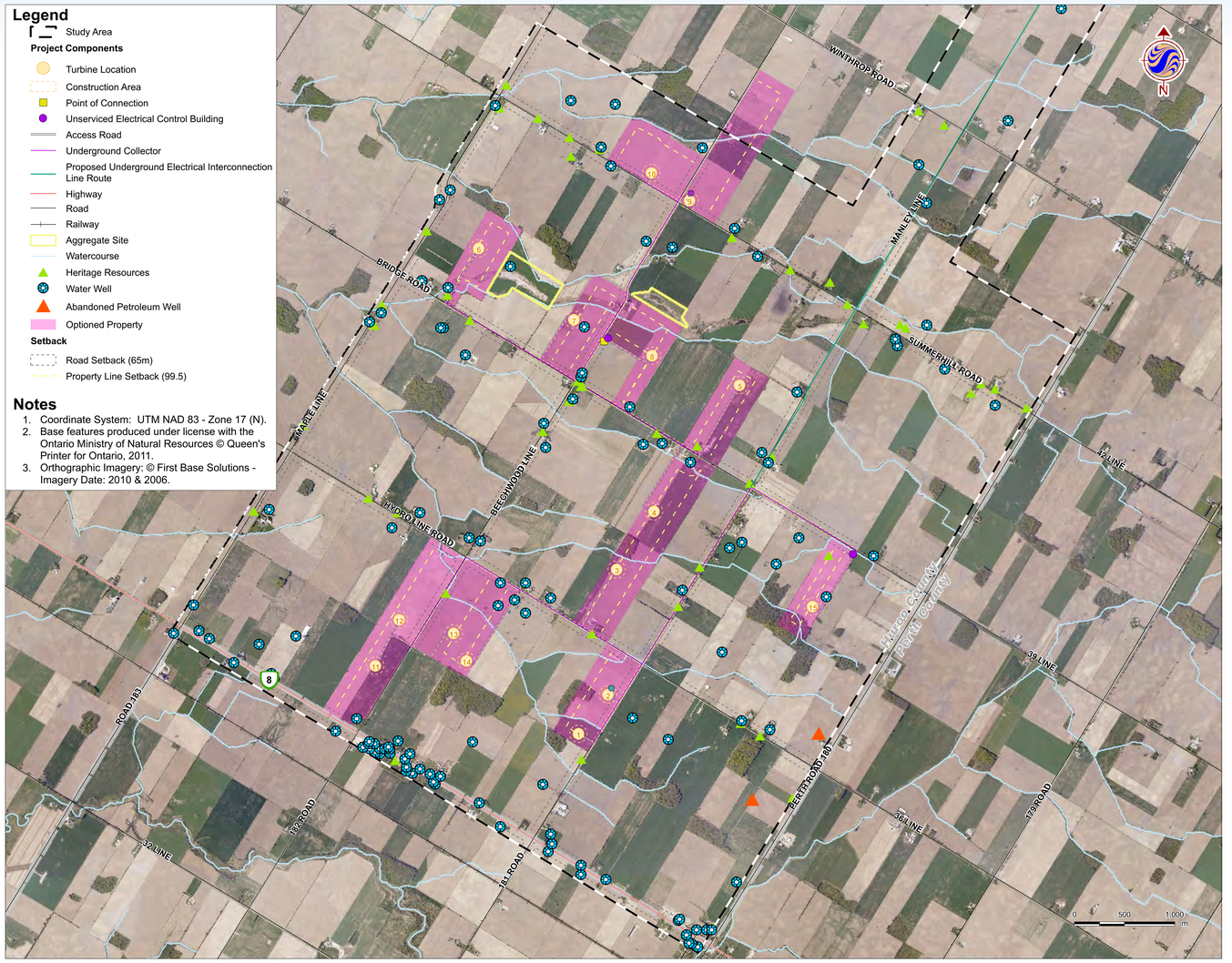
No archaeological features found.

47 significant built heritage resources and two significant cultural heritage landscapes were identified within the Study Area and assessed for Project-related effects. Potential negative effects were identified for 17 properties and 2 cultural heritage landscapes.

Mitigation includes:

- A study by a qualified engineer to determine acceptable levels of vibration
- Monitor vibrations during sub-grade construction
- Halt activities if vibration levels exceed maximum thresholds
- Avoid removal of trees in vicinity of properties and avoid damaging tree roots

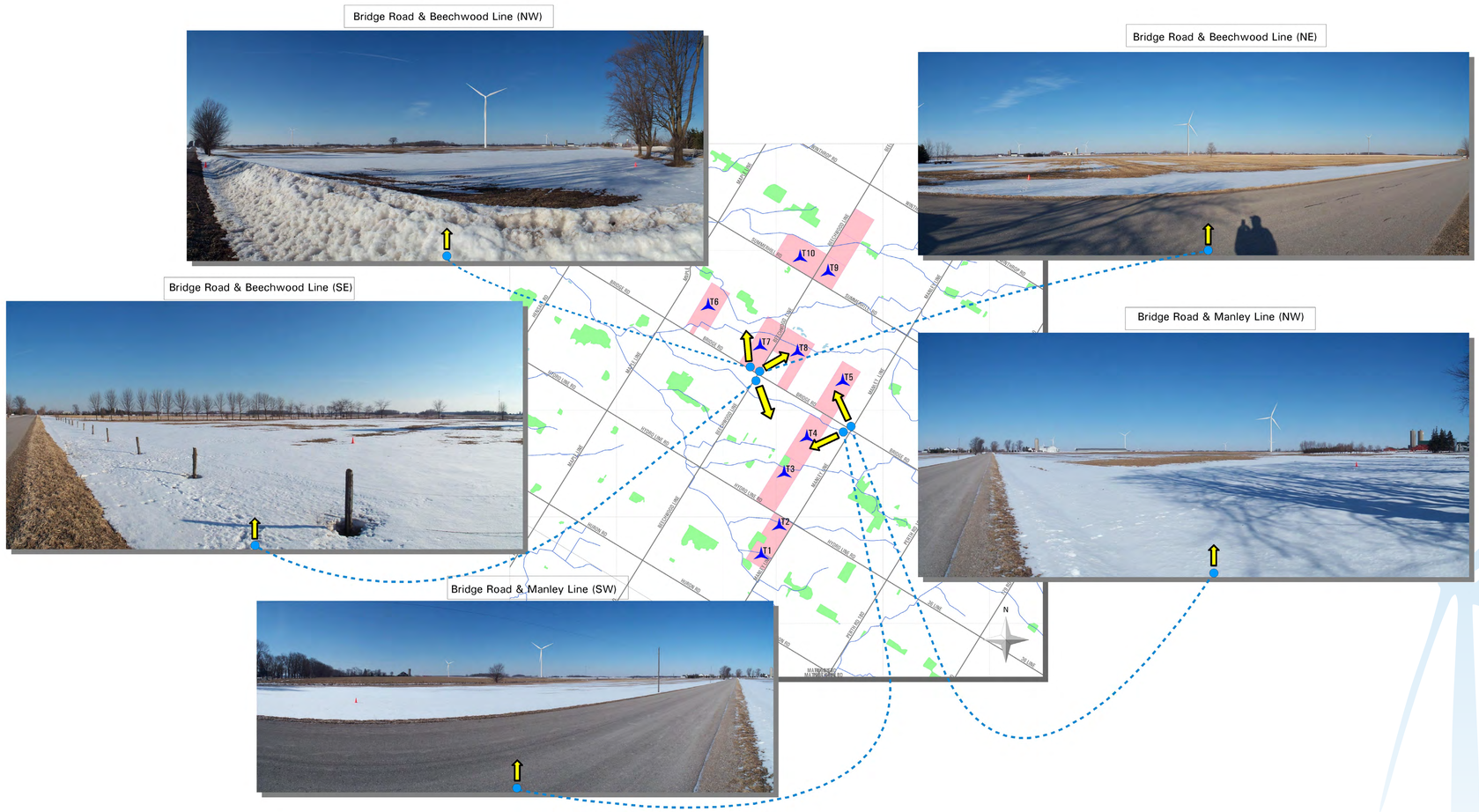
Also, five 19th and 20th century windmills were identified in the Study Area, and the team recommends these not be removed during construction and operation of the Project.



W:\active\60960649\drawing\GIS\MXD\CPR60960649_Fig4_0_SocioEc_Windproject_20120118.mxd

Visual Impact Assessment

Visual assessments were conducted during the ESR phase in 2009. While some newly proposed turbines have not been assessed, the majority have been, and the figures below give an indication of the visual impact of turbines within the Study Area.



ST. COLUMBAN ENERGY LP

Visual Impact Assessment

Summerhill Road & Maple Line

Winthrop Road & Beechwood Line

Huron Road & Manley Line

Beechwood Line & Huron Road

Renewable Energy Approval Reports

The following reports will be prepared and submitted as part of the REA application:

- Project Description Report (a Draft is already posted on the project website)
- Construction Plan Report
- Design and Operations Report, includes:
  - Preliminary Property Line Setback Assessment
  - Noise Assessment
- Decommissioning Plan Report
- Wind Turbine Specifications Report
- Natural Heritage Assessment / Environmental Impact Study
- Water Assessment / Water Body Report
- Heritage Impact Assessment
- Protected Properties Assessment
- Stage I Archaeology Assessment
- Stage II Archaeological Resources Assessment Report
- Consultation Report

All reports, with the exception of the Consultation Report, will be made available in draft form for public review and comment at least 60 days prior to the Final Public Open House. Notification of the release of the draft reports will be provided.

ST. COLUMBAN ENERGY LP

Project Schedule Overview

Ongoing consultation with government agencies and local community members, Aboriginal communities, Huron East, Howick, Morris-Turnberry and Huron County.

2011

Initiate Public REA Process – Winter 2011

Draft Project Description Report and Site Plan made available – March 2011

Undertake REA Technical Studies – throughout 2011 (supplemented with 2006-2009 ESR studies)

Draft REA Reports and Municipal Consultation Form provided to Huron East and Huron County – May 2011

Public Open House #1 – May 2011

We Are Here

2012

Public Open House #2 – January 2012

Draft REA Reports and Municipal Consultation Form provided to Huron East, Howick, Morris-Turnberry and Huron County – January 2012

Draft REA Reports to Public – February 2012

60 – day Public Review and Comment Period

Final Public Open House – late Spring 2012

REA Submission – Spring 2012

2013

30 – day Environmental Registry public review period - date determined by MOE

REA Decision – late 2012

If project approved.

Start of Construction – July 2013

Commercial Operation Date (COD) – early 2014

Repowering/Decommissioning – Approximately 20.5 years after COD

We Want Your Feedback!

Please share your questions and comments with us by filling out a questionnaire.

You can also contact the Project team by:

Email: Shawna.Peddle@stantec.com

Project Email: stcolumbanwind@vereseninc.com

Phone: **519-836-6050**

Mail: José Menendez
VP Business Development, East
St. Columban Energy LP
222-3rd Avenue SW, Suite 900
Calgary, AB T2P 0B4

Shawna Peddle
Senior Project Manager
Stantec Consulting Limited
70 Southgate Drive, Suite 1
Guelph, ON N1G 4P5

You may also visit us on the project website at:
http://www.vereseninc.com/our-business/power/wind.html

Copies of the display boards from this Public Open House and the Draft Project Description Report are available on the website.