Powerline Connection (PC) INTERROGATORY #1 List 1

Interrogatory

Routing and Affected Properties

What properties from amongst the Powerline Connections ownership list will Hydro One require access to? (hereinafter referred to as the "affected properties")

Response

Hydro One will require access to all affected properties for at least some of the early access activities.

Powerline Connection (PC) INTERROGATORY #2 List 1

Interrogatory

Routing and Affected Properties

When will Hydro One require access to each of the affected properties?

Response

Hydro One will require access to each of the affected properties at various times of the year due to the seasonal nature of the early access activities, in particular those related to plant and animal studies.

Powerline Connection (PC) INTERROGATORY #3 List 1

Interrogatory

Routing and Affected Properties

Will Hydro One provide at least three (3) days advanced notice of each specific entry onto each of the affected properties? If not, why not?

Response

Consistent with Staff's proposed Condition 1, Hydro One is proposing to provide 48 hours notice for a 7 day access window, during which access could occur during normal business hours.

Hydro One expects that these notice provisions would provide a reasonable balance between providing landowners with adequate notice prior to entry and providing Hydro One's employees, contractors and agents with reasonable access to the affected properties.

Hydro One is concerned that a minimum three days advance notice of each specific entry onto each of the affected properties would not provide the necessary flexibility Hydro One and its agents require to ensure early access activities are conducted in an efficient and practicable manner. Weather disruptions, for example, have the potential to disrupt planned early access activities. If a new minimum 3 day notification requirement was then required for a new entry date, this would significantly impede Hydro One's abilities in obtaining the intended information.

Powerline Connection (PC) INTERROGATORY #4 List 1

Interrogatory

Routing and Affected Properties

When will the right of entry, if granted, commence and terminate for each of the affected properties?

Response

In the event the Early Access application is approved on acceptable terms and conditions, Hydro One proposes that early access activities will commence following the issuance of the Board's Interim Order and after Hydro One carries out its program to notify landowners of the Board's decision. This will also include fulfillment of any and all pre-requisites that may be contained in a Board Order, including for example, notification requirements. Hydro One expects that the duration of the Interim Order would continue until such time as it informs the Board that all early access activity information has been collected.

Powerline Connection (PC) INTERROGATORY #5 List 1

Interrogatory

Routing and Affected Properties

Have the Terms of Reference for the Environmental Assessment (the "TOR") been completed?

Response

Draft Terms of Reference have been completed and are available for comment on the Project webpage at
http://www.hydroonenetworks.com/en/community/projects/transmission/bruce_to_milton/default.asp

Powerline Connection (PC) INTERROGATORY #6 List 1

Interrogatory

Routing and Affected Properties

If yes, please provide Powerline Connections with a copy of the TOR.

Response

The draft TOR are attached.

ENVIRONMENTAL ASSESSMENT TERMS OF REFERENCE (DRAFT)

Bruce to Milton Transmission Reinforcement Project

hydro one

ENVIRONMENTAL ASSESSMENT TERMS OF REFERENCE (DRAFT)

Bruce to Milton Transmission Reinforcement Project

July 2007

Hydro One Networks Inc.
Environmental Services and Approvals
483 Bay Street, North Tower, 13th Floor
Toronto, ON, M5G 2P5

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1. Introduction

The Bruce to Milton Transmission Reinforcement Project (Bruce to Milton Project) is one of several projects that Hydro One Networks Inc. (Hydro One) is undertaking to meet Ontario's electricity needs for the 21st century. As Ontario's population and economy continue to grow and prosper, the Province's electricity needs continue to increase. Even with aggressive Conservation and Demand Management (CDM), the Bruce to Milton Project would still be required to transmit approximately 3,000 megawatts (MW) of additional electricity from wind and nuclear generation facilities in the Bruce area to the provincial power grid including the Greater Toronto Area (GTA).

Before this project can be built, a number of approvals are required, including those from the Ontario Energy Board (OEB) under the *Ontario Energy Board Act* 1998 (*OEB Act)* and the Ontario Ministry of the Environment (MOE) under Ontario's *Environmental Assessment Act* (*EA Act*) in accordance with Ontario Regulation (O. Reg.) 116/01, the Electricity Projects Regulation. The Electricity Projects Regulation requires that this project follow the process set out in the *EA Act*. The *EA Act* requires submission of an application (consisting of a Terms of Reference (ToR) and an EA document) for approval by the Minister of Environment. (Environmental Assessment approval is required prior issuance of other project permits and approvals, see Section 2.2.)

This ToR sets out in detail the requirements for the preparation of the EA document for the Bruce to Milton Project. Hydro One will develop this project consistent with Provincial direction and all relevant legislative requirements, policies and guidelines.

This ToR is prepared in accordance with the Code of Practice: Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario, draft issued by MOE in October 2006 and final in July 2007.

1.1 Background on the Electricity Sector in Ontario

This section summarizes the background to the current project. Further details are provided

in Supporting Documentation 1 of this ToR submission.

In October 1998, the Ontario legislature enacted the *Energy Competition Act* authorizing the restructuring of Ontario Hydro with the aim of introducing competition in the wholesale and retail electricity markets in Ontario. On April 1, 1999, in accordance with the *Energy Competition Act,* Ontario Hydro was restructured principally into three separate entities: (1) Ontario Power Generation (OPG), (2) Ontario Hydro Services Company Inc., later renamed Hydro One Inc., and (3) the Independent Electricity Market Operator (IESO).

Subsequent to this restructuring of Ontario Hydro, the Ontario Power Authority (OPA) was established by the *Electricity Restructuring Act*, 2004. This statute made three changes in the institutional arrangements of the electricity sector in Ontario with respect to long-term planning. In this legislation:

- the OPA was given the mandate to develop an Integrated Power System Plan (IPSP) and address the looming supply–demand imbalance in Ontario through conservation and generation procurements. O. Reg. 276/06 designates and exempts the IPSP from the *EA Act*. Undertakings resulting from this planning process, however, are required to complete an EA if they would otherwise be required to do so;
- the Government was given the discretion to determine the future "supply mix" for the Province as a starting point for the IPSP; and
- the Ontario Energy Board (OEB) was given the authority to review and approve the IPSP. [1]

Under the *Electricity Restructuring Act*, Hydro One was assigned responsibility for the planning, design, construction, operation, and maintenance of transmission and distribution facilities in Ontario. The OPA now has the responsibility to identify the need for any new generation or transmission projects and Hydro One's role is to implement OPA transmission recommendations.

[1] OPA website – System Planning

1.2 Background on the Bruce to Milton Project

The total demand for electricity generation in Ontario is expected to continue increasing over time and is estimated to reach approximately 40,000 MW by 2027. The OPA is developing the IPSP to identify the long-term needs of the people of Ontario through generation, transmission and CDM of electrical power to the year 2027 and beyond. Even with aggressive CDM targets provided in the draft IPSP, there is still a need to install additional transmission capacity in Ontario. The OPA has reviewed various options to increase the capacity of the electricity transmission system to meet this need. The OPA process considered technical requirements, total system capacity, provincial land use policy and the overall cost to Ontario electricity consumers (see Supporting Document 1.) In regard to provincial land use policy, making use of existing infrastructure is in accordance with the Provincial Policy Statement (s 1.6.2) and, in the case of the Bruce to Milton Project, will result in a requirement for 20 percent less land in contrast to utilizing a totally new ROW.

Many of the existing generating stations in Ontario will need replacement or refurbishment during the draft IPSP planning period. As well, the Province of Ontario has developed an "Off-Coal" initiative, which accelerates the retirement of the existing coal-fired generating stations to the year 2014. These factors, combined with increasing demand, result in the need for new generating capacity. The new generation to be developed in Ontario will involve renewable and clean generation technologies including wind, hydroelectric and natural gas powered generation while emphasizing CDM. The reliance on nuclear generation is expected to remain approximately at its current level.

Transmission facilities in Ontario have not been significantly expanded since the early 1980s. Many new transmission facilities including ROW expansions will be required as the result of OPA planning recommendations for increasing clean supply of electrical generation and transmission capacity. The Bruce area is a major source of energy supply for Ontario. The OPA has stated that reinforcement of the Bruce to Milton line is urgently needed to transmit electric power from new wind generation and from Bruce Units 1 and 2, which are to be returned to service in the near future. The OPA and the IESO state that a new 500 kV line

out of the Bruce area is required as soon as possible. Due to this urgency, the EA process has been initiated ahead of the final IPSP report.

The two "laid-up" generating units, Units 1 and 2, at the Bruce A nuclear plant which Bruce Power is in the process of refurbishing are each rated at 750 MW and are scheduled to return to service in 2009. They will add 1,500 MW of base load generation to the Ontario system, which will improve the Province's reliability of supply. Coincidental with the return of the two Bruce units, Bruce Power is scheduling the outage of another unit at the Bruce A plant for extended maintenance work from 2009 to 2011. Thus, in effect, an equivalent of one Bruce unit is added between 2009 and the end of 2011, and two units thereafter.

Also, a commitment has been made for approximately 725 MW of wind generation for the Bruce area during the period up to 2011. OPA's latest studies for preparation of the IPSP identify the potential for approximately another 1,000 MW of wind generation in this area. Together, these new wind and nuclear generation resources would add up to approximately 1,500 MW by 2009, approximately 2,225 MW by 2012 and over 3,000 MW in the longer term with the addition of further potential wind development (see Supporting Documentation 1).

In addition to the OPA's request to build the new line as soon as possible, Hydro One anticipates that the in-service date for the new line could be as early as December 1, 2011. Failure to place the Bruce to Milton Project in service by December 1, 2011 may prevent available generation capacity in the Bruce area (about 2,225 MW from wind turbine and nuclear power) from being connected to the Ontario transmission grid, i.e. "stranded generation". The Ontario government would be required to pay Bruce Power $63/MWh (over $600 million per year) for power from Bruce A Units 1 and 2 after they are refurbished and returned to service. This fee will apply whether the Units are connected to the transmission grid or if they are "stranded". Similarly, the contracts for 750 MW of committed windpower would also require payment or some form of penalty regardless of whether the power can be transmitted or not.

Also, if the Bruce to Milton Project is not in service on schedule, this would prevent

installation of over 1000 MW of new wind turbine power proposed for the Bruce area for after 2012.

The loss or stranding of all the above generation would be costly and it would force continued reliance on coal-fired generation beyond the government's "Off-Coal" target date of 2014 and would result in increased reliance on power purchases from the northeast USA, much of which is based on coal-fired generation.

To meet the need, OPA initially identified a number of potential options in the draft IPSP which could potentially increase the transmission capacity between the Bruce Area and the GTA. The OPA concluded that only one option, the Bruce to Milton Project, could meet the need to provide the necessary capacity by the required in-service date. Five points of connection to the provincial grid were initially considered, including four existing transformer or switching stations (Essa TS, Milton SS, Kleinburg TS and Longwood TS). The fifth location was an undeveloped site currently identified as Crieff TS, located south of Guelph.

Upon analyzing these potential options, OPA concluded that only the Bruce to Milton Project could provide the necessary increased transmission capacity and be placed in service by December 1, 2011 (see Appendix 1).

1.3 Proponent

Hydro One has a mandate to design, build and operate the Provincial transmission network. Hydro One is the proponent for the Bruce to Milton Project and is responsible for the development of the ToR and subsequent EA document.

1.4 Purpose of the Undertaking

The purpose of the Undertaking is to increase the capacity of the Bruce to Milton line to transmit electrical power from committed and future sources in the Bruce area to the provincial grid and the GTA by December 1, 2011, or as soon as this can be achieved. This

will increase energy security and transmission grid stability for the people in the Province of Ontario.

1.5 Outline of the Terms of Reference

This ToR sets out the detailed requirements for the preparation of the EA document for the reinforcement of transmission from the Bruce area to Milton in accordance with the requirements of the *EA Act*. Once approved by the Minister of Environment, the ToR will set out the detailed requirements that must be satisfied in conducting the EA and preparing the EA documentation.

The ToR details the key issues and activities to be addressed in the EA. In addition to the introductory chapter, this ToR provides information on the following:

- EA framework (Section 2);
- overview of EA requirements for the Bruce to Milton Project (Section 3);
- purpose and description of the undertaking (Section 4);
- existing environmental conditions in the study area (Section 5);
- identification and evaluation of the alternative methods (Section 6);
- commitments and monitoring (Section 7); and
- consultation plan for the EA (Section 8).

Taken together, Sections 3 to 8 fulfill the requirements in section 6(2)(c) of the *EA Act* to set out in detail the requirements for the EA for the Bruce to Milton Project.

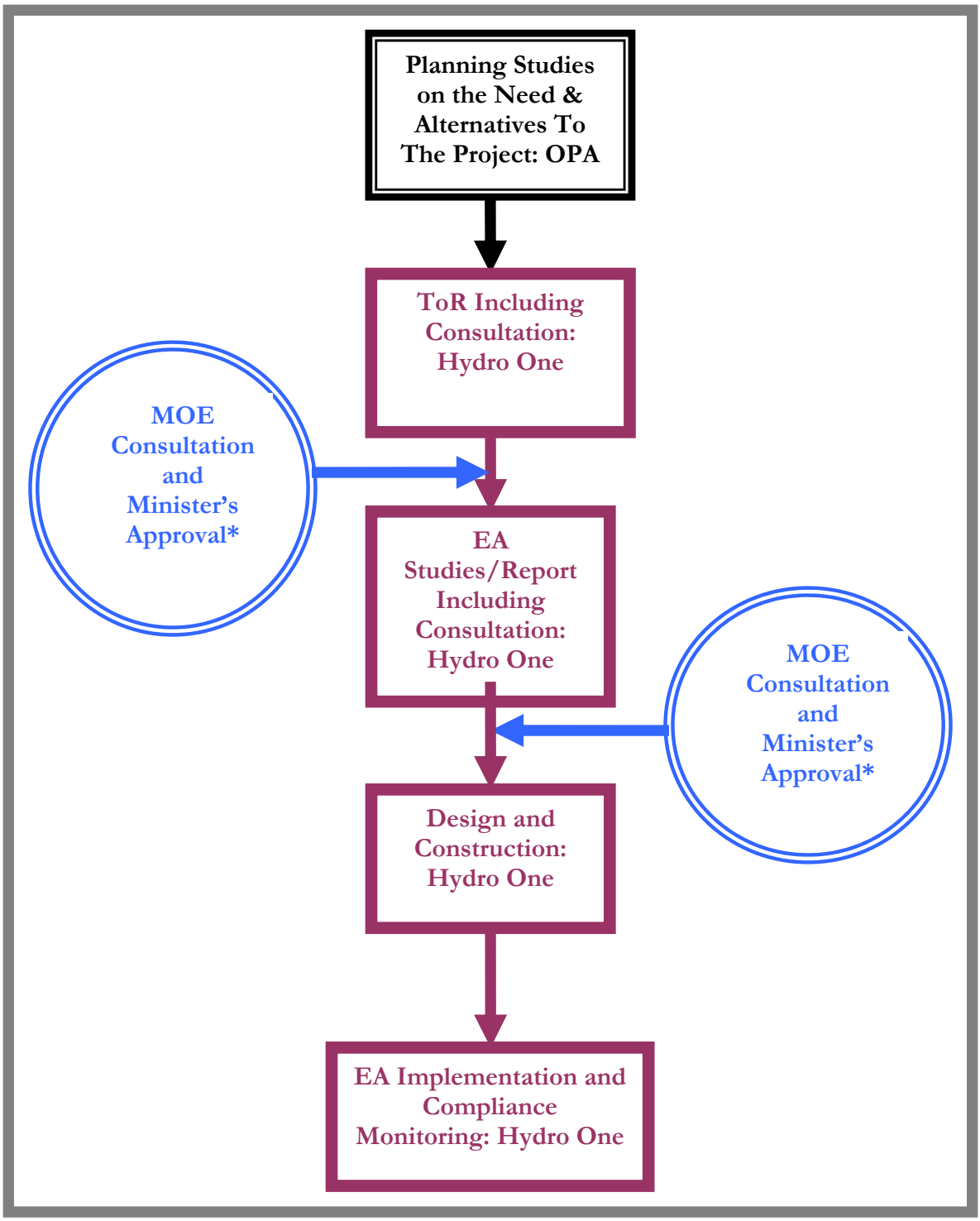
2. Environmental Assessment Framework

2.1 Ontario's Environmental Assessment Act

In Ontario, new and expanded transmission lines are subject to the *EA Act*. Ontario's Electricity Projects Regulation (O. Reg. 116/01), made under the *EA Act,* stipulates the EA requirements for electricity projects in Ontario on the basis of the project type (e.g., transmission lines, transformer stations, power generation plants, etc.) and, in the case of transmission lines, the voltage level and distance traversed. The voltage level and length of the Bruce to Milton Project requires that an application be prepared and submitted under s.5 of the *EA Act* to the Minister of the Environment for approval. There are two key documentation requirements for the application:

1. the development, submission, review and approval of the ToR; and,
2. the preparation, submission, review and approval of the EA document in accordance with the steps and methodology set out in the MOE approved ToR (Figure 2-1).

Under the *EA Act*, an EA can proceed under section 6.1(2) which requires a full assessment of "need", "alternatives to" the undertaking and "alternative methods" of carrying out the undertaking or it can proceed in accordance with subsections 6(2)(C) and 6.1(3) of the *EA Act*, which allow focusing of the EA. The need for the Bruce to Milton Project has been established by the OPA. The Undertaking is consistent with Provincial Land Use Policy and the "Off-Coal" program targets. It avoids the high cost of stranded power supplies in the Bruce area. The OPA concluded that the Bruce to Milton Project is the only practical alternative to deliver contracted power to the growing GTA. As such, this ToR is being prepared in accordance with subsections 6(2)(c) and 6.1(3) of the *EA Act*.



*Upon approval by the Cabinet and Order in Council by the Lieutenant Governor

Figure 2-1: The EA Process and Responsibility for Each Step

2.2 Other Approvals

Through consultation with the public, government agencies and various stakeholders, Hydro One will identify all necessary approvals that may be required during project planning and construction. Listed below are a number of potential approval requirements that have already been identified.

For this project, Hydro One will make best efforts to begin preparation of construction-related applications concurrent with the EA process. *EA Act* approval must precede all other approvals. However, it will be necessary to initiate some permit and approval activities or applications during the EA process. Additionally, it should be noted that some permits and approvals for construction typically rely on more detailed engineering and design information than is available during the EA process. In the latter case, Hydro One will perform studies necessary to support other approvals prior to start of construction.

2.2.1 Ontario Energy Board Act

The Bruce to Milton Project requires OEB approval. The OEB regulates Ontario's natural gas and electricity industries and is responsible for ensuring construction and operation of proposed transmission facilities are in the public interest. The OEB's role is to review a transmission project's effect on consumers with respect to prices, reliability and quality of electricity service. The OEB operates as an adjudicative tribunal and carries out its functions through oral or written public hearings. In March 2007, Hydro One filed the following two applications with the OEB related to this undertaking:

- Leave to Construct - The project is subject to "Leave to Construct" approval under section 92 of the *OEB Act.* The OEB review of Hydro One's application for Leave to Construct approval examines technical aspects and consumer protection related to a project proposal and also includes provisions for public consultation.

- Early Access to Land (Subsection 98 (1.1) of the *OEB Act*). Early access would allow Hydro One employees and representatives to access properties affected by the proposed project and undertake a limited number of activities (including biological and archaeological field studies, data collection, legal surveys and soil testing) while the section 92 approval is under consideration at OEB. This early access is required to gather seasonal data for the EA and other approvals.

Early access is required to facilitate the approval process and bring the project in-service by the required due date of December 1, 2011.

2.2.2 The Expropriation Act

Hydro One's primary intent is to negotiate easement rights with landowners, to the extent possible, for the portion of properties to be utilized for the transmission line. In some cases, it will be necessary to purchase entire properties where current uses are incompatible with a transmission corridor e.g., a permanent structure or residence under a transmission line.

Due to the number of properties involved, Hydro One intends to apply for expropriation of all properties under the *Ontario Expropriation Act*, 1990. Chapter E.26 outlines the conditions and restrictions under which a claim for expropriation can be submitted, and the rights of residents facing the claim. The expropriation plan must be approved and registered under both the *OEB Act* and the *Expropriation Act* prior to commencement of construction of the new line in 2009.

2.2.3 Canadian Environmental Assessment Act

An electricity project subject to the *EA Act* may also be subject to the *Canadian Environmental Assessment Act* (*CEA Act*).

Hydro One will provide a project description to the Canadian Environmental Assessment Agency (CEAA), and will work closely with federal authorities to provide specific details about the location and extent of the project to enable a determination of any permit or authorization requirements.

If the *CEA Act* is triggered, the harmonization process developed by CEAA and the MOE Environmental Assessment and Approvals Branch (EAAB) will be followed when practical to ensure that requirements of both levels of government are fully addressed.

2.2.4 Other Provincial Approvals and Permits

Based on current information, a number of permits, licences and approvals under provincial legislation may be required, including but not limited to, the following:

- permits under O. Reg. 42/06 "Regulation of Development, Interference with Wetlands and Alteration to Shorelines and Watercourses" and Generic Regulations from local Conservation Authorities under the *Conservation Authorities Act*;
- a Consolidated Work Permit under the *Lakes and Rivers Improvement Act* from the Ministry of Natural Resources (MNR) to undertake work on shorelands and works within a waterbody;
- approval for ownership/easement of land on which structures are built from the MNR under the *Public Lands Act*;
- permits from MNR under the *Public Lands Act* for works over beds of navigable waters;
- requirement to seal off old gas wells for public safety from the MNR Land and Water Branch under the Plugging Code,
- work permit controls, at all times of the year, for clearing within 300 m of a forest or woodland from the MNR Forest Management Branch under the *Forest Fires Prevention Act*;
- Niagara Escarpment Commission (NEC) Development Permit for the construction of new facilities within NEC lands;
- permits for application of pesticides from the MOE under the *Pesticides Act* for vegetation management during the operation phase;
- under the *Ontario Heritage Act*, an archaeological assessment(s) is required to obtain Ministry of Culture clearance;
- approval of new structures or construction that may affect existing and planned highways from the Ministry of Transportation under the *Provincial Highways Act*;

- compliance with industrial design/construction safety regulations, including filing notice of project before construction commences, of the Ontario Ministry of Labour under the *Occupational Health and Safety Act*; and
- compliance with health regulations of the Ministry of Health under the *Public Health Act*.

2.2.5 Other Relevant Provincial Policies and Legislation

Other relevant provincial policies and legislation include, but are not limited to:

- Provincial Policy Statement (Ministry of Municipal Affairs and Housing (MMAH), 2005a);
- *Endangered Species Act* (2007); and,
- *Greenbelt Act* (MMAH, 2005b).

2.2.6 Other Relevant Federal Legislation, Permits, and Policies

Other relevant federal legislation and policies include, but are not limited to:

- *Species at Risk Act;*
- *Migratory Birds Convention Act;*
- *Navigable Waters Protection Act;*
- *Fisheries Act;*
- *Aeronautics Act;* and,
- *Canadian Transportation Act*

Federal policies regarding species and habitat protection include:

- Policy on Wetland Conservation;
- Canadian Biodiversity Strategy;
- Convention on Biological Diversity; and
- Wildlife Policy for Canada.

All approvals that are necessary for the project to proceed will be outlined in the EA

document. It may not be possible to complete all required surveys prior to submission of the EA document, however Hydro One will commit to continue and complete all required surveys before construction.

3. Overview of the EA Requirements for the Proposed Project

The EA study will be consistent with the approach and requirements set out in the *EA Act*. Hydro One will submit the EA for review and approval to the Minister of the Environment, following an extensive consultation process. The EA will have the following components:

- statement of need for the Undertaking based on the recommendations and decisions of the OPA (need will be considered to have been determined);
- statement of the purpose for the Undertaking;
- description of the Undertaking
- description of the route
- description and rationale of alternative methods (design configurations) of carrying out the Undertaking;
- description of the environment that might reasonably be expected to be affected by the Undertaking and the alternative methods considered;
- description of the effects that might reasonably be expected to be caused to the environment as a result of the Undertaking, and the alternative methods of carrying out the Undertaking;
- description of the actions necessary or that may be reasonably expected to be necessary to prevent, change, remedy or mitigate any effects;
- description of the advantages and disadvantages of the alternative methods for the Undertaking;
- description of the public, agency and stakeholder consultations and Aboriginal engagement undertaken during the EA process;
- pre- and post- development environmental monitoring plan (as necessary); and,

- any supporting documents, maps, etc., as required under the *EA Act*.

4. Description of the Undertaking

This section presents a technical overview of the Bruce to Milton Project and defines the project study area.

4.1 Technical Overview of the Undertaking

The Undertaking is to implement of the OPA recommendation "to construct a new double-circuit 500kV line between the Bruce Power Complex and Hydro One's existing Milton SS located in the Town of Milton, to be in-service by December 1, 2011" (OPA letter to Hydro One, March 2007, Copy in Appendix A).

Hydro One proposes to construct a new line approximately 180 km long by widening the existing 500 kV/230 kV corridor from Bruce to Milton by approximately 53 to 61 m (175 to 200 feet). It will be necessary for Hydro One to obtain additional property rights, including both easement and property purchases, as necessary. Figure 4-1 shows the route of the proposed transmission line.

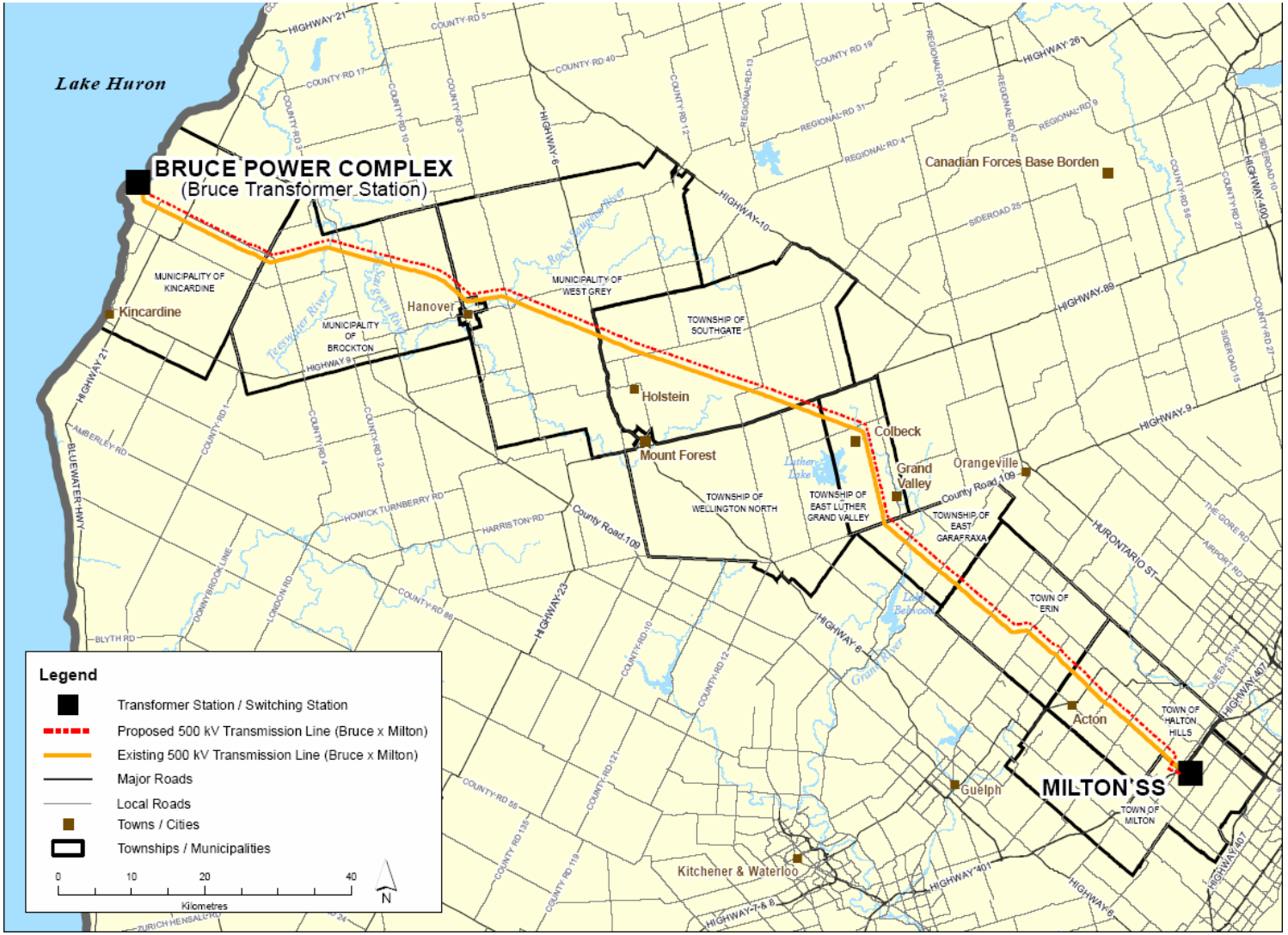


Figure 4-1: Reference Route for the Bruce to Milton Transmission Line

The north and east side of the existing ROW was determined to be the reference route, based on technical constraints including connection points, the location of existing transmission lines, need for line outages, maximization of existing property rights, minimization of crossovers and related economic considerations (see Supporting Documentation 1).

The final alignment for the expanded corridor will be determined during the EA process. Local refinements may be made by Hydro One to the reference route to mitigate potential environmental effects and address stakeholder issues, for example, Hydro One's consultation process identified two areas (Hanover and Halton Hills) where local refinements will be considered as part of the EA study. Any refinements, if required, will be made in consultation with local land owners and officials.

The proposed transmission line will be owned and operated by Hydro One, and will include the following facilities:

- a 3 km 500 kV single-circuit from the Bruce A TS to Bruce Junction (Jct) along a widened multi-line corridor within the Bruce Power Complex;
- a 3 km 500 kV single-circuit line from the Bruce B SS to Bruce Jct along the widened multi-line corridor within the Bruce Power Complex;
- a 173 km 500 kV double-circuit line from Bruce Jct to Milton SS along a widened multi-line corridor, with local refinements as appropriate;
- modifications at the Milton SS, Bruce A TS, Bruce B SS, and Bruce Jct to accommodate the new transmission line; and,
- modifications to the existing transmission circuits as required to accommodate new circuits.

Specific details on the upgrades will be provided in the EA document.

4.2 Study Area

The Bruce to Milton Project will cross through five upper tier municipalities (Bruce, Grey, Dufferin, and Wellington Counties and the Regional Municipality of Halton) and eleven

lower tier municipalities (Kincardine, Brockton, Hanover, West Grey, Southgate, Wellington North, East Luther Grand Valley, East Garafraxa, Erin, Halton Hills and Milton).

The Bruce to Milton Project will comprise a new double-circuit 500 kV line generally adjacent to and overlapping the existing transmission corridor from Bruce to Milton. To the maximum extent possible, the transmission line will make use of the widened existing ROW including lands owned by the Province immediately east of the Bruce Power Complex and north of the Milton SS.

Study area boundaries will be based on specific indicators (See Appendix B), and will be refined and finalized during the EA with input from the public, government agencies, Aboriginal Groups and other stakeholders to ensure that areas potentially affected by the Bruce to Milton Project are identified and studied. This is expected to occur early in the study process and for most indicators is typically expected to be the expanded ROW for this project. Potential effects on the natural, socio-economic, cultural, and agricultural environment in the study area will be analyzed and measures will be considered to eliminate, avoid, or mitigate negative effects or enhance positive effects.

5. Existing Environmental Conditions in the Study Area

The purpose of this section is to briefly describe the environmental baseline conditions in the study area (Section 4.2). A more comprehensive description of the baseline conditions in the study area will be provided as part of the EA.

Hydro One has filed an Early Access to Land application with the OEB to facilitate site-specific surveys that include environmental baseline information acquisition, see Section 2.2.1 for more information on Early Access. It is anticipated that the OEB will make its decision on the application in September 2007 to permit data collection for the EA. If, during consultation, reasonable requests for additional studies are received, Hydro One will consider these requests.

5.1 Natural Environment

This section describes the baseline natural environment conditions in the study area.

5.1.1 Physical Characteristics of the Study Area

The general physical characteristics of the study area will be documented as part of the EA. This section provides an overview of the physical and natural setting in the study area, and outlines the more detailed information that will be provided in the EA.

Climate

The Bruce to Milton Project traverses four Climatic Regions, as defined by Brown et al. (1974): Lake Huron-Georgian Bay, Huron Slopes, Dundalk Upland and South Slopes. The EA will provide climatic data for these four Climatic Regions, as well as mean monthly and annual temperature, precipitation and wind data for representative meteorological stations in the study area.

Air Quality

In southern Ontario, poor air quality is most often the result of high levels of ground-level ozone (O_3), the primary component of smog, and airborne particulate matter (PM). The EA document will provide 2003-2005 (and 2006 if available) ambient air quality statistics for the MOE air quality monitoring stations near or in the study area.

Sound/noise is a component of the air environment. The major sources of noise in the rural environment are road traffic and agricultural activities. The EA will characterize baseline or background noise conditions, based on published information.

Geology/Physiography

The bedrock underlying the study area consists of several southeast-to-northwest trending formations which decrease in age toward the west (Hewitt, 1972). The EA will provide mapping and a description of the geological formations traversed by the Bruce to Milton Project.

The EA also will provide a description of the effects of glaciation on southern Ontario

physiography and drift thickness based on Ontario Geological Survey mapping, as well as mapping and descriptions of the nine physiographic regions traversed by the Bruce to Milton Project.

Surface and Groundwater Hydrology

The study area crosses three drainage basins, and associated watersheds: Lake Huron, Lake Erie and Northern Lake Ontario (Chapman and Putnam, 1984). The EA will map the watersheds including their tributaries, as well as discharge and water quality data from the Water Survey of Canada, the MOE, and published Conservation Authority data.

During the fisheries surveys of watercourses designated as potential temporary crossings, hydrologic and surface water parameters will be measured and recorded on-site. Surficial sediment type will also be recorded. The hydrologic data will be provided in the post-EA applications for watercourse crossing permits from the Conservation Authorities.

The EA will also provide a description of groundwater resources including groundwater levels, yields and quality based on MOE well records and published information.

5.1.2 Environmentally Significant Areas

Provincially Significant Wetlands (PSWs), Areas of Natural and Scientific Interest (ANSIs), and Regional Environmentally Sensitive Areas (ESAs) are traversed by or proximate to the reference route. The expanded ROW and possibly access roads will also affect a number of natural areas designated by municipalities (e.g., Dwyer, 2006), Conservation Authorities and MNR.

The EA will map the environmentally significant and natural areas traversed by or proximate to the reference route. A description of each area will be provided based on the MNR Natural Heritage Information Centre (NHIC) (2007a) database, published information and site-specific studies. Boundaries will also be confirmed, as well as status, particularly for Regionally Sensitive Areas.

(Niagara Escarpment Commission and Greenbelt issues are covered in s.5.2.1.2. Existing

Land Use and Proposed Developments. Any ESA's which fall within the NEC or Greenbelt areas will be discussed as Environmental Significant Areas in the EA.)

5.1.3 Wildlife and Habitat

Lands within the study area provide agricultural, woodland, wetland and riparian habitat for wildlife. In this area, most wildlife species are habituated to human activities and are concentrated in specialized habitats.

The EA will identify the mammal, breeding bird and herpetofauna species present in the study area based on published information and available databases. Any significant or specialized wildlife habitat, e.g., deer yards, will be mapped and described.

Site-specific studies of vegetation communities along the proposed ROW will be undertaken in environmentally significant areas and designated natural areas. During the vegetation surveys, any significant or specialized wildlife habitat will be identified and any casual observations of wildlife species recorded.

The EA document will also map the general locations of species at risk (e.g. endangered and threatened species) as well as endangered and threatened species in the study area based on Environment Canada, CWS (2004) and NHIC (2007b) databases (including their identification if available), as well as known locations based on published and unpublished information and personal communications. All general locations overlapping or proximate to the reference route that would be directly affected by construction activities will be field inspected to confirm presence/absence of any species at risk (if possible) and evaluate habitat potential to support species at risk.

5.1.4 Vegetation and Forest Resources

The study area includes forested areas and woodlots. For the study area, the EA will describe and map vegetation communities and delineate plant species in ESA's, as well as natural areas, such as municipally-designated significant woodlands and significant valleylands, based on the NHIC (2007a) database, published information, and site-specific field studies.
Site-specific field studies will be undertaken in environmentally significant areas, designated

natural areas, and the route of proposed access roads, with surveys to facilitate identification of sedge and other plant species. Ecological Land Classification (ELC) systems will be used during field studies to identify and delineate vegetation communities (Lee et al, 1998).

5.1.5 Water Bodies, Fish Habitat and Aquatic Ecosystems

Most of the larger watercourses within the study area provide coldwater and warmwater fish habitat. The EA will map coldwater and warmwater watercourses, as well list fish species present in the watercourses along the proposed ROW based on MNR Field Collection Records, Conservation Authority databases and published information. Any significant fish habitat (e.g., Sanctuary Areas) will be identified and described. All watercourse locations designated as temporary crossings for access roads will be field inspected prior to construction to confirm presence/absence of fish habitat and fish species present.

5.2 Socio-economic, Cultural and Agricultural Environment

The following section describes the socio-economic, cultural, and agricultural environment in the study area.

Existing and designated land uses along the reference route will be studied e.g., settlements, land use patterns, key areas of future development, proximity to towns and villages, and land use types traversed by the line. The existing transmission line has been in place for decades and land use practices have adjusted to its presence.

5.2.1 Socio-economic Environment

5.2.1.1 Existing Land Use and Proposed Developments

The study area crosses eleven municipal boundaries, including the Municipalities of Kincardine and Brockton in Bruce County; the Town of Hanover, the Municipality of West Grey and the Township of Southgate in Grey County; the Townships of Wellington North and Erin in Wellington County; the Townships of East Luther Grand Valley and East Garafraxa in Dufferin County; and the Towns of Halton Hills and Milton in the Regional Municipality of Halton. Agriculture is the dominant land use in the rural countryside, but other land uses occur within the study area, including rural, residential, commercial,

industrial and institutional and government uses.

The EA document will map all land use designations from Official Plans and draft approved plans of all municipalities within the study area. This information will be confirmed through meetings with municipal/regional/county planners. Plans for development in these municipalities will be identified through discussions with planners and municipal officials.

5.2.1.2 Niagara Escarpment and the Greenbelt

The Niagara Escarpment has been named a World Biosphere Reserve by the United Nations Educational, Scientific and Cultural Organization (UNESCO) due to the importance of the geological features and ecology of the Escarpment. The Niagara Escarpment is known for its scenery, and is an important outdoor recreation area in the Province of Ontario. The Niagara Escarpment's size and location in the middle of the study area make it an important feature. The proposed Bruce to Milton Project crosses NEC (2005) lands designated as Escarpment Natural Area, Escarpment Protection Area, Escarpment Rural Area and Mineral Resource Extraction Area.

The study area also crosses Protected Countryside lands consisting of an Agricultural System and a Natural (Natural Heritage and Water Resource) System that have been identified by the Province of Ontario as part of the Greenbelt of the Greater Golden Horseshoe (MMAH, 2005b). These lands are under policies established for their protection and use in the *Greenbelt Act* (MMAH, 2005b). The *Greenbelt Act* and Plan were established to provide protection for the agricultural land base and the ecological features and functions of the natural areas and parklands surrounding the Greater Golden Horseshoe.

The EA will map the NEC (2005) and Greenbelt (MMAH, 2005b) designated lands crossed by or proximate to the widened ROW. A description of these lands will be provided based on information from the NEC, published information and site-specific studies.

5.2.1.3 Commercial Activities

The study area for the Bruce to Milton Project is largely rural, interspersed with small population clusters in the northern section of the ROW, including towns such as Hanover,

and larger population centres closer to the GTA, such as Halton Hills. Major existing commercial/industrial activities in the northern portions of the study area include wind and nuclear power generation. Throughout the study area, the predominant commercial activity is agricultural production, with mineral and aggregate production, retail and other commercial activities occurring on a smaller scale. The EA will document the commercial/industrial activities in the study area

5.2.1.4 Community Profile

The Bruce to Milton Project will involve the widening of an existing corridor. The EA will identify the existing and proposed residential development within 500 m of the proposed ROW through consultation with municipal planners and review of secondary sources such as municipal plans and zoning information. The EA will document the property takings and disruption to residents, businesses and social features and character of the communities along its route.

5.2.1.5 Community and Regional Infrastructure

During the EA, the project team will identify and map community infrastructure in the study area such as roads, railways, airports, major recreational trails, etc., through reconnaissance and/or from secondary sources. The project team will consult with municipal officials and utilities to obtain information on pipelines, mains, drains, etc that are within the study area.

5.2.1.6 Community Services

During the EA, the project team will identify and map community services and facilities in the study area such as educational facilities, health facilities, retirement homes, places of worship, recreational features, camp grounds, and the location and coverage of emergency services, etc.

5.2.1.7 Landscape and Visual Assessment

During the EA, the project team will prepare a description of the landscape character along the proposed ROW, identifying landscape settings and features of importance within the study area. The team will also determine the type and degree of visual effect that will likely occur. This assessment will focus on vistas valued by the public and those identified by the project team as contributing to the aesthetic character of an area (e.g., Niagara Escarpment,

ESAs and river valleys).

5.2.1.8 Traditional/Aboriginal Land Use

While there are no reserve lands which will be crossed by this project, the project will affect lands for which there are aboriginal interests and treaty rights, including traditional uses. Initially, Hydro One contacted the Ontario Secretariat for Aboriginal Affairs and the Department of Indian and Northern Affairs to identify the Aboriginal Groups (includes First Nations and Métis Groups) who may have an interest in, or may be potentially affected by the project. They advised that the Chippewas of Saugeen, the Chippewas of Nawash, Mississaugas of New Credit, Six Nations of the Grand River including both the Elected Band Council and the Haudenosaunee Six Nations Confederacy Council (Haudenosaunee), could have a potential interest in the study area and/or may be potentially affected by the project. In addition, Hydro One became aware that the Hurone Wendat could also potentially have an interest in the study area. Hydro One has also identified the following Métis Groups who may have an interest in the project: the Georgian Bay Métis Council, the Grey Owen Sound Métis Council and the Saguingue Métis Council.

The Chippewas of Saugeen and the Chippewas of Nawash (both part of the Saugeen-Ojibway Nation) reserve lands are located approximately 15 km north of the Bruce Power Complex in Bruce County. Mapping provided by these Nations to Hydro One indicates that the study area overlaps with a large portion of their traditional use territories.

The Mississaugas of New Credit are located in Hagersville. They have a land claim which covers the GTA. In addition, their traditional use territories cover the south-easterly portions of the study area.

The Six Nations of the Grand River Reserve is located near Brantford and is not directly affected by the project. However, the Haldimand Tract (six miles on either side of the Grand River, from its mouth to its source), is part of the Haudenosaunee's asserted traditional territory. In addition to this, the Haudenosaunee have, in the past, advised Hydro One of their ongoing interest in southern Ontario, owing to the NanFan (1701) Treaty.

The Hurone Wendat currently have reserve land north of Quebec City; however, they have historical ties to southern Ontario and as the Seaton decision points out, have an interest in the archaeological resources, including potential burial sites that might be discovered during construction, that may have originated with their ancestors.

Hydro One has identified the Georgian Bay Métis Council, the Saguingue Métis Council and the Grey Owen Sound Métis Council as having a potential interest in the project; however, discussions with these groups will be required to ascertain if an interest in the project area does exist and if any potential effects could be expected.

The EA will document concerns and issues raised by the Aboriginal Groups, and how Hydro One will address these concerns through consultation or in liaison with the Aboriginal Groups and appropriate agencies. The EA document will describe Aboriginal Groups, their community, their traditional uses of the land and their established and asserted claims.

5.2.2 Cultural Environment

To describe and assess potential effects on heritage resources and archaeology in the study area, the EA will draw upon the results of archaeological assessments and cultural heritage studies. Archaeology will be done in consultation with Aboriginal Groups.

A Stage I archaeological study has been completed and Stage II will be conducted. Results from these studies will be incorporated into EA decision-making and construction planning.

A background historical study will be undertaken of the municipalities along the transmission route to describe their development history and the transmission route development history. Existing cultural heritage resources conditions will be documented. Built heritage resources and cultural landscape resources that could potentially be affected by the proposed corridor will be identified. If human remains are identified during the EA study or during the construction phase of the project, Hydro One will cease work in the immediate area, notify the Ministry of Culture as required under the *Cemeteries Act* and simultaneously notify Aboriginal Groups with an interest in the area.

5.2.3 Agriculture

The EA will analyze of Statistics Canada 2001 and 2006 Census of Agriculture data for agricultural land use, number and type of farms, farm operation arrangements, agricultural systems, livestock capabilities and gross farm receipts. Agricultural land use data will be confirmed/updated and farming infrastructure will be identified by windshield and helicopter surveys. Specific farming activities and special requirements will be determined by landowner questionnaires.

The EA also will map the Canada Land Inventory (CLI) agricultural soil capability within the study area, and determine/confirm of the extent and type of artificial tile drainage and municipal drains on properties directly affected by the Bruce to Milton Project, through discussions with landowners, the OMAFRA, the OFA and readily available secondary source mapping.

6. Alternative Methods

The alternative methods that will be considered in the EA relate to minimizing or avoiding significant negative effects of the Undertaking. The EA document will provide a description and rationale for the alternative methods. The alternative methods to be considered are:

(i) localized refinements of reference route including diversion around sensitive features, location of potential crossovers of adjoining transmission lines;

(ii) design considerations:

- span length between the towers to avoid environmental features, where required;
- tower height to avoid environmental features, where required;
- access road specifics, including alignment, location, retention after construction is complete, if required, etc.;
- construction methods and timing to minimize potential effects on the natural environment and farming operations; and,

- tower design and placement of towers for specific applications to minimize aesthetic effects on the local public and the travelling public or disturbances to farming operations.

Hydro One will evaluate of each alternative method considering avoidance, minimization or prevention of significant negative environmental effects and enhancement of positive effects where practical. For the purposes of the EA, the term "environment" reflects the definition in the *EA Act*, which includes natural, socio-economic, cultural and agricultural features.

During the EA, reasons to refine the ROW alignment in localized areas may be identified, as given in (i) above. Hydro One will consult on these refinements and will apply the Reasoned Argument Method to conduct the evaluation.

Hydro One will seek opportunities to enhance those environmental components which may have been affected during the course of the project including e.g., re-establishing habitat for terrestrial or aquatic species or implementing tree planting and replacement programs.

Hydro One will seek to provide employment and economic benefits as much as practical to the local communities along the ROW during the course of constructing the project.

6.1 Evaluation of Alternative Methods

During the EA, opportunities for refinement of the ROW alignment in specific localized areas may be identified, as in Section 6.(i) above. In some circumstances, it may be possible to do so to reduce social-economic or environmental effects. Hydro One will consult on these refinements and will apply the Reasoned Argument Method to conduct the evaluation.

All other alternative methods, in Section 6.(ii), will be evaluated with input from individual landowners or review agencies, such as the MNR and Conservation Authorities.

Published secondary source data for the evaluation of alternative methods, such as aerial photos and GIS data, will be obtained from agencies and municipal Official Plans. This

information will be supplemented, as required, by primary data collected from interest groups, agencies, utilities, members of the public, ministries, Aboriginal Groups and field surveys, as appropriate.

These following general principles will be applied by Hydro One during the EA in the evaluation of alternative methods:

- utilizing existing infrastructure efficiently and effectively to reduce or mitigate significant negative effects on natural, social and economic features (minimizing the amount of affected land);
- minimizing significant negative effects on existing and designated land uses;
- minimizing significant negative effects on agricultural lands and operations;
- avoiding or minimizing significant negative effects on natural systems, with particular emphasis on natural features, functions and communities;
- minimizing significant negative effects on built-up areas that generally provide a focus for cultural, recreational, social and economic activities; and,
- minimizing significant negative potential effects on affected farmers and landowners.
- maximizing opportunities to enhance positive effects on the environment (natural socio-environment, cultural and agricultural).

These principles for evaluating alternative methods are intended to minimize significant environmental effects. Refinements to the project design will occur throughout project planning in conjunction with discussions with property owners, Aboriginal Groups, businesses, agencies and other stakeholders as appropriate.

6.2 Evaluation Methods

6.2.1 Reference Route Alignment

Data will be collected and mapped for environmental features within the study area to identify the preferred location for the final route alignment. Effects will be described qualitatively or quantitatively according to the preliminary list of criteria and indicators shown in Table 6-1 and *Appendix B*. These criteria are intended to assist in determining the

overall effect of the ROW alignment on the natural, socio-economic, cultural and agricultural environment and to develop appropriate mitigation measures. These evaluation criteria and indicators may be subject to refinement and modification during the EA based on study findings and provincial policy. Cost and technical criteria will also be considered in this process.

The project team will highlight specific areas where the reference route could be refined to reduce or eliminate negative local area effects. The evaluation (using the Reasoned Argument Method) will then examine the differences in significant net effects associated with local alignment configurations. The project team after consultation with landowners, agencies, municipalities, First Nations, and interest groups may refine the reference alignment. The decision-making process will be clearly documented and presented for stakeholders' comment, to ensure issues and concerns have been considered.

6.2.2 Design Considerations

The project will enhance safety and security of electrical supply in the Province and design considerations will be evaluated consistent with this purpose. Alternative methods involving span length, tower height, alignment of access roads, timing of construction and tower design will be evaluated based on site-specific environmental and technical considerations and landowner and review agency input. The criteria and principles defined above will also be used to evaluate design considerations. Changes to project design will be made to accommodate landowner concerns if it is practicable to do so without negatively affecting other landowners, environmental features or significantly negatively affecting overall project costs. Hydro One will document landowner issues, how these decisions were made, and the results.

6.3 Effects Evaluation and Mitigation Measures

Table 6.1 identifies the environmental and technical aspects that will be considered in the evaluation of potential environmental effects for the route alignment and design method. The development of criteria and indicators for the effects evaluation have been developed utilizing the general principles detailed in Section 6.1. A more detailed description of the

environmental features criteria and indicators is provided in *Appendix B*.

Table 6-1: Environmental and Technical Considerations During Project Planning

COMPONENT	FEATURES/CONSIDERATIONS
Natural Environment	• Wetlands, Areas of Natural and Scientific Interest (ANSIs) • Species at Risk (Endangered or Threatened) • Water bodies, fisheries and aquatic ecosystems • Forests, woodlots, vegetation
Socio-economic Environment	• Existing and approved land uses (reference to OP) • Approved developments • Commercial activities • Mineral and aggregate resources • Community profile (including effects to landowners) • Community services • Community infrastructure • Landscape and visual assessment • Greenbelt and Niagara Escarpment lands • Traditional/Aboriginal Land Use
Cultural environment	• Historical • Archaeological • Heritage and cultural sites and landscapes • Parks • Conservation areas • Recreational facilities
Agricultural lands	• Agricultural soil capability • Crop and livestock production • Agricultural capability • Agricultural infrastructure, including tile drainage • Agricultural land use
Technical and cost considerations	Safety and adherence to design standards: • Compatibility with the transmission network

COMPONENT	FEATURES/CONSIDERATIONS
	• Utilization of existing infrastructure corridors (e.g., roads and ROWs) • Minimize changes in transmission line directional heading (angles) • Shortest length of line • Soil stability for transmission towers • Suitable terrain • Good access for line maintenance • Minimizing other transmission circuit crossings (especially 500 kV lines) • Minimizing effects on other utilities (e.g., pipelines, railways)

Mitigation measures will be developed to incorporate relevant technical guidelines and standards to minimize any significant negative effects of construction and operation. Appropriate technical and economically feasible mitigation measures will be developed for specific characteristics and sensitivities of the environmental features and the related significance (e.g., magnitude, duration, certainty) of the potential effect. The EA will recommend pre- and post-operational monitoring programs designed to verify effects prediction, the effectiveness of mitigation measures and the need for any remedial measures, should they be necessary.

6.3.1 Evaluation of Effects on the Natural Environment

As indicated in Section 4.1, the proposed Bruce to Milton Project adds a new double-circuit 500 kV transmission line utilizing available rights and additional easement requirements along the Hydro One ROW from the Bruce Power Complex to the Milton SS. Maximization of the use of the existing ROW will reduce potential negative effects on environmental features i.e., by reducing land requirements for width of the ROW by about 20%.

Construction activities associated with the Bruce to Milton Project that may have an effect on the natural environment include:

- brushing, clearing and grading;
- construction of access roads including stream crossings;
- delivery of equipment and materials;
- auguring and pouring tower foundations;
- delivery, assembly and installation of new towers;
- stringing of conductors; and,
- rehabilitation/restoration.

Potential significant negative effects of the proposed undertaking on the natural environment, e.g., soils, surface water and groundwater resources, vegetation, wildlife, fisheries resources and environmentally significant areas, will be assessed and appropriate mitigation/remedial measures will be recommended to reduce or eliminate those effects.

Potential effects due to construction are as follows: soil compaction and erosion; loss of vegetation from clearing and associated loss of wildlife habitat; displacement of wildlife or effects to nesting birds and species at risk; incidental spills of oil, gasoline and other chemicals; water quality and fish habitat degradation due to temporary stream crossings; and degradation of environmentally significant areas. Agricultural infrastructure can be affected by changes to site drainage.

Potential effects due to operation are related to maintenance access and vegetation management (approximately 7-year cycles).

To reduce or eliminate potential significant negative environmental effects associated with the construction and operation of the proposed facilities, proven environmentally sound guidelines and best management practices (BMPs) will be implemented using:

- "Environmental Guidelines for the Construction and Maintenance of Transmission Facilities" (Hydro One, 2007);
- "Guidelines for Culvert Installations in Wetlands" (Mulamoottil, 1987);

- "Ontario Operational Statement, Habitat Management Program, Overhead Line Construction" (DFO, 2007a);
- "Ontario Operational Statement, Habitat Management Program, Maintenance of Riparian Vegetation in Existing Rights-of-Way" (DFO, 2007b);
- "Ontario Operational Statement, Habitat Management Program, Culvert Maintenance" (DFO, 2007c);
- "Guidelines for Evaluating Construction Activities Impacting on Water Resources" (Persaud and Jaagumagi, 1995);
- "Utility Vegetation Management" (Cieslewicz and Novembri, 2004); and
- "Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities" (Cheminfo, 2005).

In addition, all other relevant environmental requirements and policies will be identified and taken into account in the EA, e.g., NEC (2005), MMAH (2005a,b) and Conservation Authority plans and policies (e.g., GRCA, 2003; Saugeen Conservation, 2005).

Hydro One will assign an environmental specialist to support construction and to advise on environmental requirements. Pre-construction monitoring will be completed to delineate boundaries of natural features, flag the limits of work areas, and identify stick nests for removal prior to breeding bird season. Construction-phase monitoring will be undertaken to confirm compliance, to ensure that mitigation is implemented according to plan and is effective, and to ensure appropriate post-construction restoration is carried out.

As a standard requirement, Hydro One will prepare "Environmental Specifications" for the Bruce to Milton Project which will detail how project environmental protection will be achieved by describing all project commitments, government legislation, Hydro One policy and special mitigation procedures to be implemented. The Environmental Specifications will take into account the environmental guidelines and BMPs listed above to control the effect that the Bruce to Milton Project may have on the environment. It will also take into account commitments made during the EA and conditions of approval for licences and permits.

The Environmental Specifications will delineate appropriate construction procedures and associated mitigation measures for:

- brushing and clearing;
- access road construction and removal;
- construction noise and nuisance dust control;
- erosion and sediment control;
- watercourse crossings;
- environmentally significant areas;
- site cleanup and restoration to pre-construction conditions;
- spills and spill reporting; and
- waste management practices.

As indicated in Sections 4.1 and 5.1, the widened ROW would cross a number of environmentally significant areas. Some of these may be avoided in the Bruce to Milton Project by alignment of access roads off-ROW and/or by tower placement on either side of the environmentally significant area. Pre-construction surveys of these areas will be completed to:

- identify vegetation communities and inventory flora directly affected;
- clearly identify and flag the limits of working areas, adjacent to important environmental features;
- identify flow regime across the working area at wetland locations and flag preferred surface water control zones as required:
- identify any stick nests for removal prior to the breeding season; and
- clearly mark the limits of vegetation clearing.

As indicated in Section 5, all known and general species at risk locations in the study area will be ground-truthed to confirm presence/absence of any species at risk (if possible) and/or evaluate habitat potential to support species at risk. Protection/mitigation measures would be developed, as necessary, including alignment of access roads or transmission towers,

transplantation, and/or habitat compensation. When possible, selected cutting will be timed to avoid the breeding bird season. Otherwise a bird nesting survey will be undertaken to identify, prior to construction, the presence of any migratory bird nests.

In addition to the implementation of appropriate construction procedures and associated mitigation measures for site cleanup and restoration to pre-construction conditions, Hydro One will identify opportunities for habitat enhancement in environmentally significant areas.

Finally, an "Environmental Emergency Preparedness and Response Plan" will be prepared prior to the start of any field construction work. The plan will clearly identify project-specific emergency contacts and accountabilities.

6.3.2 Evaluation of Effects on the Socio-economic Environment

Social impacts can be positive or negative; and can occur at various units of social order: individuals, businesses, communities, economic sectors; however, the overall objective of the Bruce to Milton Project is to provide an overall benefit to the Province of Ontario. The goal of the social impact assessment is to predict and understand the effects of the project on those who live, work and play where the actual physical project activities occur. Key indicators for this study are:

- displacements of business, property and residents;
- displacements of social features (institutional, recreational, etc);
- disruption to business, property and residents;
- disruption of social features;
- community and neighbourhood effects (Community character, cohesion, function)
- changes to land use patterns, including existing and planned development
- displacement or disruption to farm infrastructure and type;
- displacement or disruption to mineral and aggregates resources;
- displacement or disruption to cultural resources;
- displacement or disruption to community services and infrastructure;
- disruption to traditional/Aboriginal land use; and,

- changes to the existing landscape and visual character.

Data Collection

Social information will be collected from the following sources:

- Secondary published sources;
- Windshield surveys;
- PIC comments and input;
- Stakeholder consultation (to be defined as project planning progresses but may include municipalities, social features, ratepayer groups, business community, agricultural community); and
- Consultation with affected community residents.

The social impact assessment will include:

- An assessment of the socio-economic character and profile of the area potentially affected by the project;
- An evaluation of the alternatives including identification of issues and concerns;
- The identification and assessment of effects on the socio-economic environment by indicator; and
- The identification of protective or mitigation measures.

Potential effects of the proposed undertaking on the socio-economic features identified will be assessed and appropriate mitigation/remedial measures will be recommended to reduce or eliminate the significant negative effects.

The project may have potential effects on businesses, community services, infrastructure and facilities. It may also affect potential development plans in those communities. Construction activities associated with the Bruce to Milton Project will also be assessed at a broad level due to the potential to displace and affect access to properties, businesses and

community features. Other potential effects due to construction that will be considered are road diversions/detours, and nuisance effects such as dust and noise during construction activities.

The assessment of effects will be based on data collected from primary and secondary sources. A broad assessment of potential socio-economic considerations of the alternative methods both during and after construction on existing land use, potential development, businesses and community features shall be prepared and will identify proposed mitigation measures. To assist in providing a description of the environment, the EA document will provide supporting technical studies, surveys and environmental inventories to collect the following types of information within the study area and in the vicinity of the ROW:

- description of land use;
- development characteristics and patterns;
- inventory of community services and facilities;
- business characteristics and access considerations; and,
- landscape and visual assessment.

To reduce or eliminate potential significant environmental effects associated with the construction and operation of the proposed facilities, proven environmentally sound guidelines and best management practices (BMPs) will be implemented.

6.3.2.1 Effects on Traditional/Aboriginal Land Use

Aboriginal groups may have an interest in a project in addition to or apart from any potential effects on aboriginal interests and treaty rights. Through discussions with Aboriginal Groups, Hydro One will attempt to determine the extent and nature of any interests in the project as well as any potential effects on Aboriginal interests and treaty rights. Both the Saugeen Ojibway Nation and Six Nations of the Grand River (including both the Elected Band Council and the Haudenosaunee) have expressed an interest in project archaeological activities as well as effects on the natural environment. It is not clear at this time the extent

of any potential effects on aboriginal interests and treaty rights for these groups or any of the others which have been identified for engagement in the project area.

Hydro One is currently negotiating a consultation protocol with the Saugeen Ojibway Nation and the Six Nations of the Grand River (including both the Elected Band Council and the Haudenosaunee) which includes providing resource capacity to gain information on traditional values as they relate to the project, specifically in the fields of archaeology and ecology.

6.3.2.2 Effects on the Cultural Environment

The study area consists mainly of previously disturbed lands, as it is largely situated adjacent to an existing transmission line ROW. Expanding the ROW for the Bruce to Milton Project could potentially have effects on:

- areas of archaeological potential;
- built heritage and cultural landscape;
- churches and cemeteries;
- recreational trails;
- waterways;
- conservation areas;
- camp grounds; and,
- other cultural uses.

To assess the potential effects of the Bruce to Milton Project on heritage, archaeology and cultural resources, the EA will draw upon the results of a Stage 1 archaeological study (and future archaeological work, as required) and cultural and heritage assessments. Information and data will also be obtained from Municipal Heritage Groups, heritage planners, Aboriginal Groups, secondary source information, and discussions during the consultation process.

6.3.2.3 Effects on the Agricultural Environment

Hydro One will consult with the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) and the Ontario Federation of Agriculture (OFA) and farmers regarding effects on the agricultural environment.

Construction and pre-construction (including archaeological assessments and surveying) activities associated with the Bruce to Milton Project that may have an effect on the agricultural environment include:

- brushing and clearing;
- construction of access roads;
- delivery of equipment and materials;
- auguring and pouring foundations;
- delivery, assembly and installation of new towers;
- stringing of conductors; and
- soil and drainage restoration.

Potential effects of the proposed undertaking on the agricultural environment, e.g., artificial drainage systems, surface and subsurface improvements, agricultural structures (farms, laneways, etc.), agricultural capability of the land (surface and subsurface soil characteristics), removal of land from active production through placement of towers, surface water and groundwater resources, etc., will be assessed and appropriate mitigation/remedial measures will be recommended to reduce or eliminate potentially significant effects.

Potential effects due to construction may include fugitive dust, noise emissions, topsoil/subsoil mixing, damage to drainage systems, soil compaction and erosion, crop clearing, incidental spills of oil, gasoline and other liquids, degradation of water quality, and degradation of soil productivity.

To reduce or eliminate potential significant agricultural effects, construction and operation of the proposed facilities would be subject to proven environmentally sound guidelines and

BMPs. In addition, all other relevant requirements and policies will be identified and taken into account in the EA.

As indicated in Section 6.3.1, Hydro One will prepare an "Environmental Specifications" document for the Bruce to Milton Project. The Environmental Specifications will take into account standard environmental guidelines and BMPs to ensure that the Bruce to Milton Project will have minimal effect on the agricultural environment. All Hydro One staff and their Contractors will follow these Specifications for the Bruce to Milton Project.

Pre-construction surveys of agricultural lands to be affected by the Bruce to Milton Project will be completed to identify extent and type of agricultural operations; and clearly identify and flag the limits of working areas, with consideration for adjacent agricultural operations, tile drainage systems and soil.

6.4 Other Issues

6.4.1 Property Values

During the consultation process, landowners have raised the issue of potential effects on property values. Contacts have been initiated with all landowners who will be directly affected by the project crossing their property and compensation will be provided. In a situation where existing residential and major farm buildings are located in the proposed widened corridor, options include "buyout" of the total holding or, in a limited number of situations, relocation of buildings when deemed appropriate. For all other properties which are directly affected by the proposed ROW widening, independent appraisals will be conducted and landowners will be offered 75% of market value for the area of the proposed widened corridor. Hydro One will ensure that all affected landowners will be treated in a fair and consistent manner.

6.4.2 Electric and Magnetic Fields

Electric and magnetic fields (EMF) are invisible lines of force produced by the flow of electricity in a wire or electrical device. The strength of these fields rapidly weakens away from their source. Everyone is exposed daily to EMF from many sources, including

household wiring, power lines and appliances.

Hydro One recognizes the public concerns over potential health effects from exposure to EMF and takes seriously its responsibility to understand, appropriately address and communicate the scientific data/developments on this issue. Therefore, Hydro One will:

- continue to communicate accurate and timely information to its employees and customers;
- continue to provide, upon request, EMF measurement services at no cost to direct customers of Hydro One and individuals and/or organizations whose property is adjacent to Hydro One distribution and/or transmission facilities;
- monitor worldwide scientific research, judicial decisions and regulatory requirements relating to EMF, and make necessary adjustments to its policies, programs and practices;
- support collaborative research; and,
- consider EMF research when sitting, designing, and communicating about new and upgraded facilities and when operating its facilities.

6.4.3 Cost and Technical Considerations

The total cost of the project is estimated to be $635 million, which includes an allowance for contingencies, the assessment of which is based on past experience of Hydro One and addresses a number of risks such as:

- system safety and reliability;
- constructability analysis;
- line outages to enable connections for the new line;
- availability of tower and infrastructure materials;
- timely regulatory and agency approvals;
- material differences or design changes arising from the EA or other approvals;
- design changes to accommodate requirements from Alternative Methods analysis;
- land costs variability;

- poor or contaminated soil conditions;
- unexpected site drainage requirements;
- adverse weather conditions; and
- conflicts with other utility ROW that intersect or parallel the proposed facilities.

Issues that could potentially affect project construction and implementation costs will be addressed as part of the EA.

7. Commitments and Monitoring

Hydro One is committed to environmental protection and responsible environmental management. This project will be carried out in compliance with environmental legislation, corporate policies, Best Management Practices, and corporate environmental procedures. Facilities will be designed, constructed and operated in a manner that makes efficient use of resources, prevents pollution and reduces environmental effects to the extent that is reasonably achievable. Hydro One strives for the continual improvement in its management system, processes, activities and services. Therefore Hydro One will:

- identify, assess and manage potentially significant environmental risks and integrate environmental considerations into decisions,
- identify, anticipate and report potential potentially significant environmental effects in accordance with reporting protocols. The emphasis will be on prevention of environmental incidents and significant negative effects,
- train employees and contractors so that they understand their roles, responsibilities and Hydro One's environmental requirements and have the skills, knowledge and resources necessary to perform their duties,
- promote continual improvement by setting environmental objectives and targets, monitoring performance and taking corrective and preventive actions when required,
- work cooperatively with governments, customers, suppliers and other stakeholders to develop programs that contribute to the achievement of Hydro One's environmental objectives and targets, and

- support the investigation and use of new methods of environmental protection that will help achieve Hydro One's business objectives.

The Hydro One Environmental Policy and Environmental Commitment form the overarching foundations for commitments made in this EA.

Environmental Specifications will be prepared to guide project construction. An environmental specialist will be assigned to support and monitor construction activities. As noted, pre- and post-operational studies will be carried out to confirm project compliance, the accuracy of environmental effects predictions, the effectiveness of mitigation measures and the need for any remedial action.

7.1 EA Document Preparation and Submission

In accordance with the discussions above, the EA will document need, the purpose for the undertaking, alternative methods and their rationale, consultation undertaken, a description of and rationale for the Undertaking, environmental baseline, environmental effects and proposed mitigation measures associated with the Undertaking, commitments to compliance monitoring, and future commitments to be satisfied at subsequent design stages. Further information will be included if warranted. The EA will also provide an executive summary.

In addition to the EA, reference reports will be prepared at appropriate stages of the EA to document technical work that is undertaken to support the decision-making process.

A draft EA will be made available to the public, federal and provincial government agencies, municipalities and Aboriginal Groups for review prior to formal submission to the MOE. The documentation will be available at government offices, public libraries and on the project web site.

Subsequent to the pre-submission review and consideration of any comments received, the EA will be formally submitted to the MOE for an approval decision.

The EA will provide a comprehensive list of all commitments made during the study to guide future environmental work and consultation as well as effects and compliance monitoring. All monitoring will be consistent with MOE requirements.

7.2 Project Effects Monitoring

During the later stages of the EA process, a monitoring program will be developed. The program (to be included in the EA) will describe the project environmental management system that will ensure compliance with the commitments set out in this assessment plus other environmental requirements (e.g., terms and conditions of EA approval and other legislation).

Pre- and post-operational monitoring will identify actual effects, assess the effectiveness of the mitigation/restoration/enhancement measures to reduce or eliminate these effects, and evaluate the need for any additional action to ensure commitment realization.

Appropriate commitments to compliance monitoring will be reflected in study documentation. The duration of the monitoring and follow-up programs will vary and will depend on the conditions of permits and approvals granted by regulatory agencies.

7.3 EA Process Monitoring

During the planning and design processes, compliance with EA process commitments will be reviewed prior to project implementation. External notification and consultations will be consistent with EA commitments.

8. Record of Consultation

8.1 Consultation Plan for the ToR

A draft Record of Consultation for preparation of this ToR is available as Supporting Document #2. This Record describes the consultation tools utilized, and includes a

summary of the issues and concerns raised during the consultation activities, the response to these issues and how concerns were considered in the development of the ToR.

8.2 Consultation Plan for the EA

The *EA Act* s. 5.1 requires consultation to be undertaken during the preparation of an EA. The various consultation activities that will take place during the preparation of the EA need to be outlined in the ToR, and should include consultation with:

- the general public;
- the government review team; and
- people who declared an interest in the proposed undertaking during the ToR stage.

This Consultation Plan outlines the general consultation methods proposed for the EA including:

- a description of the plan objectives;
- identification of who will be consulted and the methods to be used to obtain input from interested persons;
- the delineation of key decision-making milestones during the preparation of the EA where consultation will occur; and
- provision of an issues resolution strategy.

The objectives of the consultation plan are to:

- consult with all potentially affected and interested stakeholders;
- provide sufficient information in a user-friendly format;
- provide opportunities for input before decisions are made;
- provide appropriate, flexible and convenient opportunities for consultation that meet the needs of stakeholders;
- be responsive by listening to comments, giving them careful consideration, making changes where appropriate and providing a rationale where no change is made;

- document the consultation program as well as the issues raised by stakeholders and provide written responses to key issues; and
- evaluate the effectiveness of the program on an ongoing basis and make changes for improvement.

8.2.1 Stakeholder Identification

There are a wide range of project interests and stakeholders. The following stakeholders will be consulted:

- owners and occupants (tenants) of property within the ROW of the proposed transmission line;
- residents within 500 m of the ROW;
- non-government organizations and groups with an interest in the project;
- agencies with an interest in the project including the Government Review Team; and
- municipalities affected by the project.

In addition to the specific consultation activities planned for each group (public and agency), several on-going consultation activities have been initiated and will continue throughout the EA process. The following on-going consultation activities are planned for the project:

- **Web Site** – The web site will continue to be updated throughout the EA process and will offer visitors the opportunity to comment on the proposal. The purpose of the web site is to provide a widely accessible venue for a large number of stakeholders to obtain and download a wide range of information in a timely manner throughout the life of the project. However, internet access is not universally available and thus, alternative options for obtaining information will be available.

- **Hot-Line** – The project hot-line, 1-877-345-6799, will provide 24 hour voice mail access throughout the life of the project. This will give stakeholders another opportunity to leave comments or request information regarding the project.

- **Frequently Asked Questions (FAQs)** – A list of FAQs has been posted to the

project web site and will be updated periodically to reflect new issues and concerns

- **Media** – Media will be provided with project information, including a letter, contact card, newsletter, FAQs and technical briefings if needed.

- **Documents Distributed and Posted in Public Places** – Draft and final EA documents will be distributed to agencies, key interest groups, and municipal officials and staff of affected communities. Hydro One will make documents available at local libraries and at municipal offices for review by members of the public. Documents will also be available for download from the project web site for those with internet access.

8.3 Public Consultation Plan

This section of the ToR presents consultation activities that are planned for the EA.

8.3.1 Public Consultation Plan and Methods

Figure 8.1 identifies the key decision-points in the project and the proposed consultation activities for each. Specific consultation activities are described below.

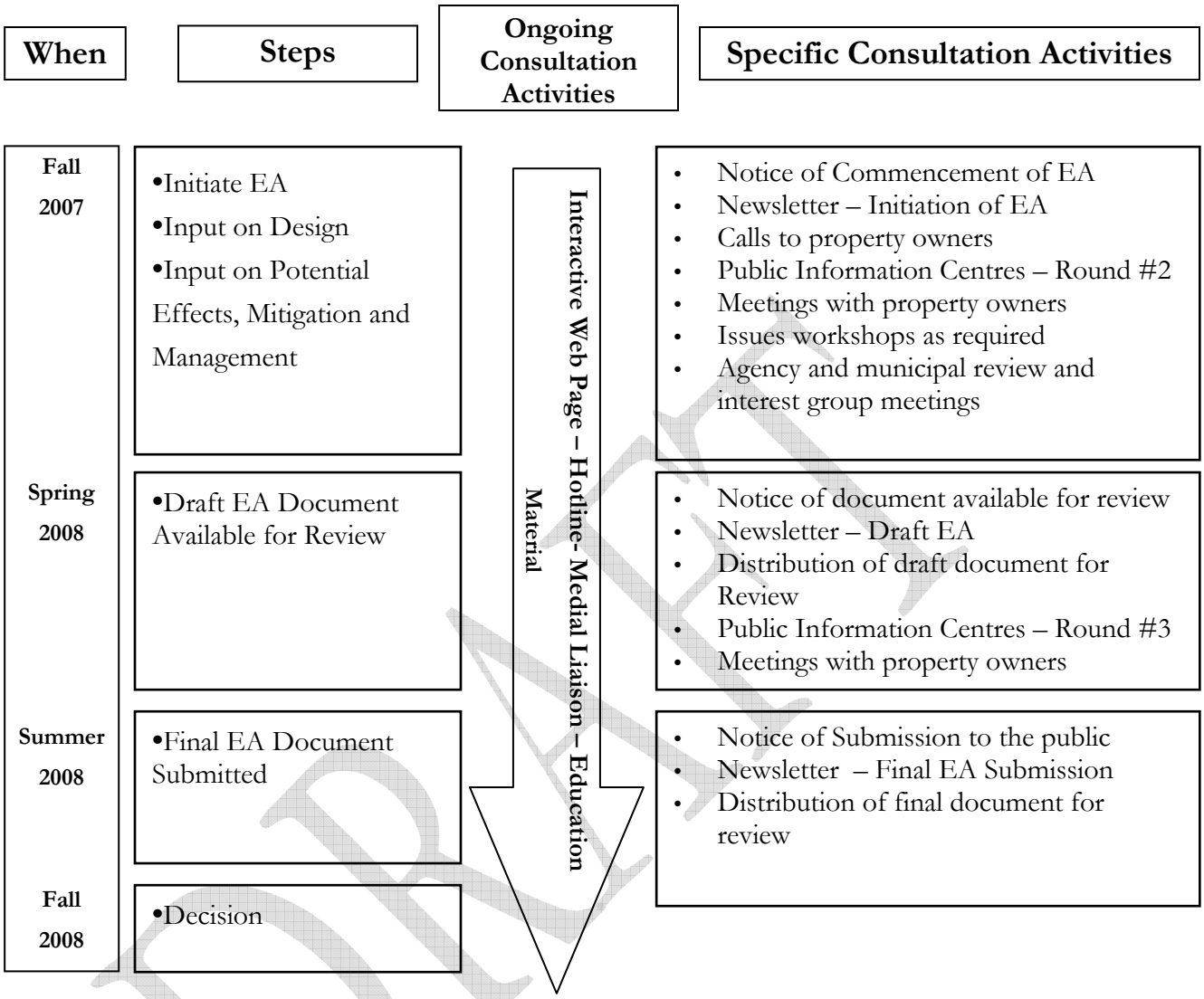


Figure 8-1: Key Decision Points during the EA

- **Notice of Commencement of EA** – After ToR approval the Notice will announce the initiation of the EA. The Notice will be published in local newspapers, and include a brief explanation of the project, key contact information and notification of upcoming PICs. This activity is a mandatory requirement of the EA process.

- **Newsletter** – Newsletters will continue to be produced at each key decision point to keep stakeholders up to date on the progress of the EA. Newsletters will be made

available on the project web site and will be mailed to directly affected property owners (within ROW) and within 500 m of the ROW and others on the mailing list. Approximately 20,000 newsletters will be produced and distributed via addressed mail to property owners within the ROW and via unaddressed ad mail to properties within 500 m of the ROW. Newsletters to be produced during the EA phase of the project are as follows:

- Initiation of the EA – providing information on upcoming public consultation activities including the second round of PIC; details on the EA phase of the EA process; and information on how the public can comment and get involved in the process,
- Draft EA Document – providing information on the third round of PICs where the draft document can be reviewed and how to comment and participate in the process, and
- Final Submission of the EA – providing information on where the final document is available for review; how to comment and participate in the process; and what to expect if the EA is approved.

- **Issues Workshops** – Workshops provide an opportunity for interested members of the public to assist in the EA process. Workshops may be held as appropriate with property owners to confirm and develop design alternatives, apply evaluation criteria and establish the relative importance of criteria. If specific issues are identified during the EA process, workshops may be utilized to address the issues.

- **Public Information Centres (PICs)** – The purpose of the PICs will be to provide an opportunity for face-to-face discussion among affected property owners, interested individuals and the project team. Two series of up to seven PICs are proposed during the EA; one during the EA preparation, and another once the draft EA document is available for review. Each of the two series of PICs will be held in up to seven different locations along the corridor recognizing the large size of the study area and the diversity of interests. Comment Forms will be distributed at the PICs to acquire responses to specific questions and to allow an opportunity for participants to provide

further comments on the proposal. PIC panels and any handouts available at the PICs will also be posted on the project web site for review by those unable to attend the PICs. The first series of EA PICs will be scheduled shortly after the EA is initiated. This series of PICs will allow members of the public to provide input on design (towers design and location, access road location and construction), mitigation and effect management. The second series will provide an overview of the draft EA document.

- **Meetings with Property Owners** – Property agents and EA team members will meet with directly affected property owners where environmental effects have been identified to provide updated information on the project, identify issues and discuss the property acquisition process. This will provide another opportunity for affected property owners to meet face-to-face with project staff and identify any outstanding issues and concerns. Property owners will also be notified directly of upcoming PICs and that the draft EA document is available for review through a mailing. The mailings will include a project newsletter informing effected landowners of dates and locations of scheduled PICs and where and when they can review the draft EA document.

- **Interest Group Meetings** – Meetings will be held with agencies and key interest groups to identify issues and discuss options for resolution of issues at EA initiation and as issues arise during the EA process. In addition, agencies and key interest groups may request meetings with the project team during the EA process. Agencies and key interest groups will also be provided with a copy of the draft EA document for review. Project staff will call these groups to set up meetings to review the draft document and to identify any outstanding or emerging issues. Input from these meetings will be incorporated into the draft document before it is finalized.

- **Public Notice of Submission of EA to MOE** – Hydro One will notify affected property owners and others on the mailing list by mail, and residents and businesses within 500 m of the corridor by ad mail that the EA document has been submitted to

the Minister of the Environment for approval. The Notice will be published in local newspapers along the route. The Notice will also indicate:

- that a government and public review has been initiated and the length of the minimum review period; and
- the date that comments are to be submitted to the MOE EAAB contact.

8.4 Aboriginal Groups Engagement Plan

The courts have established that the constitutional duty to consult rests with the Crown. However, government can delegate some of the procedural aspects of the duty to consult upon project proponents. Also, government may coordinate consultation activities of agencies and proponents. Project proponents are obliged under the *EA Act* to consult with all interested parties. In addition the public consultation process is also open to the Aboriginal Groups.

Hydro One recognizes the importance of engaging the First Nations and the Métis regarding the Bruce to Milton Project. As noted earlier, there are no reserve lands directly affected (crossed) by the Bruce to Milton Project; however, six First Nations and three Métis Groups were identified as having a potential interest in the project: the Chippewas of Nawash, the Chippewas of Saugeen (together the Saugeen Ojibway Nation), the Six Nations of the Grand River including both the Elected Band Council and the Haudenosaunee Six Nations Confederacy Council (Haudenosaunee), the Mississaugas of New Credit, the Hurone Wendat, the Georgian Bay Métis Council, the Grey Owen Sound Métis Council and the Saguingue Métis Council. Groups Hydro One's engagement process for Aboriginal Groups is designed to provide relevant information on the project to the Aboriginal Groups in a timely manner and to respond to and consider issues, concerns or questions raised by the Aboriginal Groups in a clear and transparent manner throughout the completion of the regulatory approval processes (e.g., the EA process). Engagement with Aboriginal Groups will:

- provide project-related information, including ensuring that all publicly available information is also made available to the Aboriginal Groups;

- seek relevant information from the Aboriginal Groups that may be applicable to the ROW, including information on aboriginal interests and treaty rights including archaeological sites, and sacred sites and burial grounds;
- offer information centers or meetings with Aboriginal Groups to provide project-related information and to address any concerns, issues or questions about the project;
- provide information, where requested, on the OEB regulatory process and the EA process regarding the project;
- give consideration to all issues and concerns raised by Aboriginal Groups and to how the project may affect these interests,
- consider any potentially affected interests, and clearly communicate the results; and,
- record all forms of engagement with Aboriginal Groups, including the creation of a list of concerns and issues raised regarding the project and Hydro One's responses.

Hydro One has provided information to Aboriginal Groups identified as having a potential interest in the Bruce to Milton Project. For a summary of activities and results from engagement of Aboriginal Groups to date, please see Results of Aboriginal Engagement in Supporting Documentation 2.

Hydro One has provided draft engagement protocols to the Saugeen Ojibway Nation, the Six Nations Elected Band Council and the Haudenosaunee. Meetings will be held to further discuss these protocols.

Hydro One has offered to meet with all Aboriginal Groups identified or who have expressed an interest in the project. Hydro One will continue to offer to meet and will continue to circulate information packages and notifications to these groups throughout project.

Meetings and communications are continuing as part of the project planning process.

8.5 Agencies Consultation Plan

The purpose of the agency consultation is to:

- identify concerns and collect information related to the project;
- identify aboriginal concerns and issues related to the Project, and where appropriate, proposed mitigation or responses directly to the relevant Crown representatives/agencies.
- identify relevant guidelines, policies and standards;
- facilitate the development of a list of all required approvals, licences or permits; and
- list all possible commitments/obligations and responsibilities to the proponent.

Following the Notice of Commencement of the EA, an agency consultation package will be sent to all agency stakeholders from the federal, provincial and municipal governments and conservation authorities soliciting their input and feedback on the Hydro One initiative. The consultation package will include a letter describing the project, a map of the project area and a feedback form for completion. Follow-up communications will occur with those agencies that request further meetings/involvement to discuss their input. The feedback forms would capture general comments, while the meetings if necessary would allow probing of specific issues in greater detail.

Other agency consultation activities are as follows:

- **Newsletter** – Newsletters will be made available on the project web site and will be mailed to all agency stakeholders. Proposed contents of each newsletter are described under Section 8.3.1, Public Consultation Plan and Methods.

- **Issues Workshops** – Workshops may be held as appropriate with agencies, interest groups and municipal staff to confirm and develop design alternatives, apply evaluation criteria and establish the relative importance of criteria. If specific issues are identified during the EA process, workshops may be utilized to address the issues.

- **Municipal Advisory Group (MAG) –** If it is determined that there is sufficient interest on the part of the municipalities, a MAG will be formed and will meet during the draft EA document preparation and review phases of the process. Members will receive briefings on the project and will be notified of key issues and how they have been addressed. They will also have an opportunity to provide further advice on the process and notify project staff of any other outstanding issues they may have identified.

- **Notice of Submission of EA to MOE** – Hydro One will notify agencies by mail that it has submitted the EA to the Minister of Environment for approval.

Aside from the arranged meetings/interviews, agency consultations will also dovetail with PIC events as avenues for further input to the process. Engagement with the various stakeholders is expected to be ongoing throughout the EA and into the project implementation process. All agency submissions and meetings will be documented and included in the Record of Consultation.

8.6 Documentation and Issues Resolution Strategy

All comments and input received throughout the EA from the public and review agencies will be documented in a summary table and included in the EA document. The summary table will provide a response to each issue. Where resolution of issues has not been possible, this will be noted along with a record of all attempts to resolve the issue. Hydro One will develop an issues resolution strategy for the EA. EA supporting documentation will also include a detailed Record of Consultation containing detailed records of comments received, and materials distributed in a format matching that for the ToR.

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Acronyms

ANSI	Area of Natural and Scientific Interest
BMP	Best Management Practices
CEAA	Canadian Environmental Assessment Agency
CEA Act	*Canadian Environmental Assessment Act*
CLI	Canada Land Inventory
COSSARO	Committee on the Status of Species at Risk in Ontario
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
DFO	Department of Fisheries and Oceans
EA	Environmental Assessment
EA Act	*Ontario Environmental Assessment Act*
EAAB	Environmental Assessment and Approvals Branch (MOE)
ELC	Ecological Land Classification
EMF	Electric and Magnetic Fields
ESA	Regional Environmentally Sensitive Areas
GIS	Geographic Information Systems
GTA	Greater Toronto Area
HADD	Harmful Alteration Disruption or Destruction of fish habitat
Hydro One	Hydro One Networks Inc.
IESO	Independent Electricity System Operator
IPSP	Integrated Power Systems Plan
MOE	Ontario Ministry of the Environment
MNR	Ontario Ministry of Natural Resources
NWPA	*Navigable Waters Protection Act*
NEC	Niagara Escarpment Commission
NHIC	Natural Heritage Information Centre
NPCC	Northeast Power Coordinating Council Inc.
OEA	Ontario Energy Association
OEB	Ontario Energy Board

OEB Act	*Ontario Energy Board Act*
OFA	Ontario Federation of Agriculture
OMAFRA	Ontario Ministry of Agriculture, Food and Rural Affairs
OPA	Ontario Power Authority
OPG	Ontario Power Generation
O. Reg.	Ontario Regulation
PIC	Public Information Centre
PPS	Provincial Policy Statement
PSW	Provincially Significant Wetland
ROW	Right-of-Way
SS	Switching Station
ToR	Terms of Reference
TS	Transformer Station
UNESCO	United Nations Educational Scientific and Cultural Organization

Abbreviations

km	Kilometres
kV	Kilovolts
m	Metre
MW	Megawatts-electric

Glossary

Aboriginal Groups	The *Constitution Act*, 1982 specifies that Aboriginal peoples include Indian, Inuit and Métis peoples of Canada.
Alternative Design	Alternative ways of designing or carrying out the preferred solution.
Alternative Methods	Alternative methods of carrying out the proposed undertaking are different ways of doing the same activity. Alternative methods could include consideration of one or more of the following: alternative technologies; alternative methods of applying specific technologies; alternative sites for a proposed undertaking; alternative design methods; and, alternative methods of operating any facilities associated with a proposed undertaking.
Alternatives	Both alternative methods and alternatives to a proposed undertaking.
Alternatives To	Alternatives to the proposed undertaking are functionally different ways of approaching and dealing with a problem or opportunity.
Application	An application for approval to proceed with an undertaking under subsection 5(1) of the *Environmental Assessment Act*.
Commitment	Represents a guarantee from a proponent about a certain course of action, that is, "I will do this, at this time, in this way." Proponents acknowledge these guarantees by documenting obligations and responsibilities, which they agree to follow, in environmental assessment documentation (terms of reference and environmental assessment). Once the Minister and Cabinet approve an application, the commitments within the document are often made legally binding as a condition of approval.
Consultation	A two-way communication process to involve interested persons in the planning, implementation and monitoring of a proposed undertaking.
Do Nothing Alternative	An alternative that is typically included in the evaluation of alternatives that identifies the implications of doing nothing to address the problem

	or opportunity that has been identified.
Environment	The *Environmental Assessment Act* defines environment to mean: (a) Air, land or water; (b) Plant and animal life, including human life; © The social, economic and cultural conditions that influence the life of humans or a community; (d) Any building, structure, machine or other device or thing made by humans; (e) Any solid, liquid, gas, odour, heat, sound, vibration or radiation resulting directly or indirectly from human activities; or, (f) Any part or combination of the foregoing and the interrelationships between any two or more of them.
Environmental Assessment	Environmental assessment is a study, which assesses the potential environmental effects (positive or negative) of a proposal. Key components of an environmental assessment include consultation with government agencies and the public; consideration and evaluation of alternatives; and, the management of potential environmental effects.
Environmental Assessment Act	The *Environmental Assessment Act* (and amendments and regulations thereto) is a provincial statute that sets out a planning and decision-making process to evaluate the potential environmental effects of a proposed undertaking. Proponents wishing to proceed with an undertaking must document their planning and decision-making process and submit the results from their environmental assessment to the Minister for approval.
Environmental Effect	The effect that a proposed undertaking or its alternatives has or could potentially have on the environment, either positive or negative, direct or indirect, short- or long-term.
Environmentally Significant Areas (ESAs)	Natural areas that have a significant natural resource value and/or important ecological function and are also susceptible to disturbance by human activities. Under the Class Environmental Assessment for Management Board Secretariat/Ontario Realty Corporation Activities, ESAs include: class 1, 2 and 3 wetlands, Areas of Natural and Scientific Interest,

	ESAs identified by municipalities and conservation authorities, certain land designations under the Niagara Escarpment Plan, habitats of threatened, rare and endangered species, and groundwater recharge sites.
Individual Environmental Assessment	An environmental assessment requiring the submission of a document for approval by the Minister, pursuant to subsections 6(1) and 6(2) of the *EA Act* and which is neither exempt from the *EA Act* nor covered by a Class EA approval.
Interested Persons	Individuals or organizations with an interest in a particular undertaking.
Land Use Planning	Includes identifying problems, defining objectives, collecting information, analysing alternatives, and determining a course of action for the use(s) of land within a geographical area.
Mitigation	To moderate (a quality or condition) in force or intensity; to alleviate.
Native Species	Organisms that occur naturally in a particular area instead of being introduced, directly or indirectly, by human activity.
Niagara Escarpment	Ontario's Niagara Escarpment is a provincially and internationally significant geological landform. The Escarpment is a forested ridge travelling 725 km from Queenston, near Niagara Falls, to Tobermory, at the tip of the Bruce Peninsula.
Noise	Unwanted sound.
Policy	A program, plan or objective and includes guidelines or criteria to be used in making decisions about the issuance, amendment or revocation of instruments.
Proponent	According to the *Ontario Environmental Assessment Act*, a person who carries out or proposes to carry out an undertaking, or is the owner or person having charge, management or control of an undertaking.
Provincial Policy Statement (PPS)	The PPS is issued under the *Planning Act* and sets out policies on matters such as economic development, land use patterns, infrastructure, protection of agricultural lands and natural heritage.
Provincially Significant Wetland	As defined in the Provincial Policy Statement, 1996, wetlands are lands that are seasonally or permanently covered by shallow water, as well as lands where the water table is close to or at the surface. The four

	major types of wetlands are swamps, marshes, bogs and fens. A wetland is identified as provincially significant by the Ministry of Natural Resources using evaluation procedures established by the province, as amended from time to time.
Public	The general public, individual members of the public who may be affected by or have an interest in a project and special interest groups.
Published Notice	A notice published in a local newspaper having general circulation in the area of the project.
Record of Consultation	A document submitted with the proposed terms of reference that describes the consultation carried out during the preparation of the terms of reference and the results of that consultation.
Review Agencies	Government agencies, ministries or public authorities or bodies whose mandates require them to have jurisdiction over matters affected or potentially affected by projects planned under EAA. This includes municipalities other than the proponent.
Route	When referring to the Bruce to Milton transmission line: the alignment which is generally adjacent to the existing 500 kV/230 kV transmission line, allowing for local refinements to be determined through the EA process.
Species at Risk	An extirpated, threatened or endangered species or a species of special concern.
Supporting Documentation	Documentation that is submitted to the Ministry of Environment, in addition to the proposed Terms of Reference, which provides further information on issues discussed in the proposed Terms of Reference.
Tile Drains	Underground perforated pipes, installed under crop fields to remove excess water from soils. Collected drainage water is channelled through ditches to waterways.
Undertaking	An enterprise, activity or a proposal, plan, or program that a proponent initiates or proposes to initiate.

Appendices

Appendix A:
OPA's Letters to Hydro One

Ontario Power Authority™

December 22, 2006

Ms. Laura Formusa
Acting CEO, Hydro One
483 Bay Street
Toronto, ON
M5G 2C9

Mr. Paul Murphy
CEO, IESO
Station A, Box 4474
Toronto, ON
M5W 4E5

Mr. Duncan Hawthorne
President & CEO, Bruce Power
177 Tie Road
PO Box 3000, B0602
Tiverton, ON
N0G 2T0

Dear Sirs/Madam:

Re: Transmission from Bruce Area

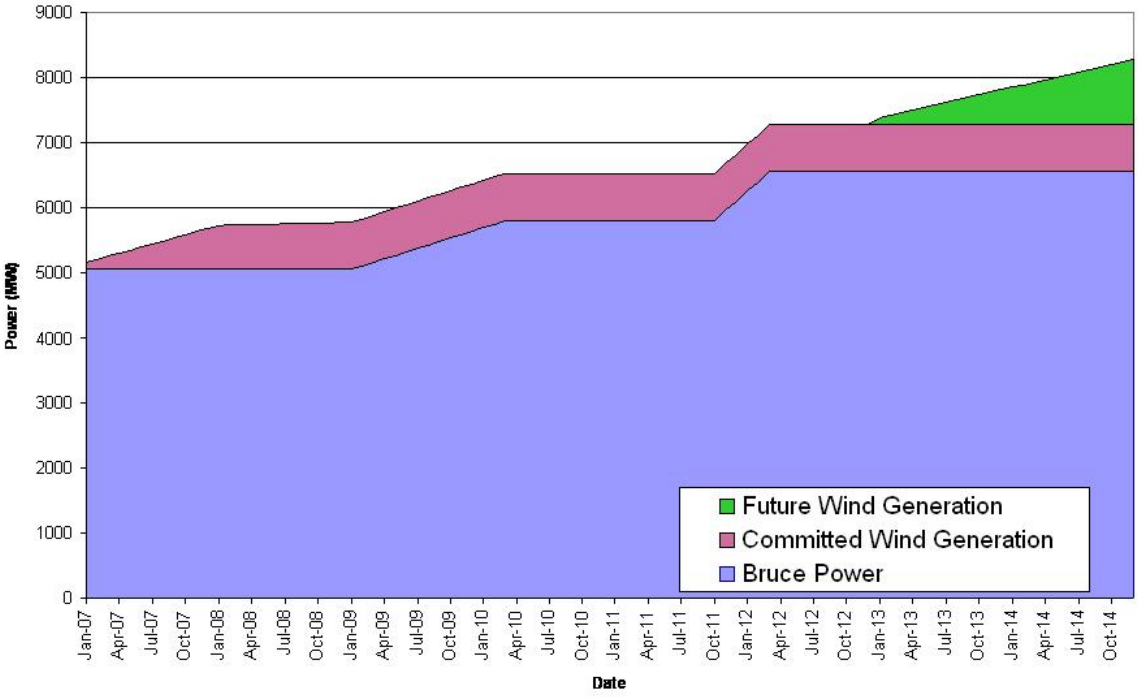
The OPA is writing, in keeping with its mandate to plan the electricity system in Ontario and support the goal of ensuring adequate, reliable and secure electricity supply in Ontario, to bring a matter of concern to the OPA to your attention. The OPA believes that action must be urgently taken to ensure that there is adequate system capacity to permit all available generation in the Bruce area to be transmitted. The OPA's analysis of this matter is found in section 2.3.6 of the OPA's Discussion Paper 5 on Transmission, issued as part of OPA's stakeholder process on the IPSP. This Paper was released on November 13, 2006 and was discussed as part of a workshop on the IPSP held by the OPA on November 22-24, 2006.

Summary of OPA Analysis:

As you are aware, Bruce Power is refurbishing and returning to service the two "laid-up" generating units, Units 1 and 2, at the Bruce A nuclear plant. These units, each rated at 725 MW, are scheduled to be returned to service in 2009. They will add 1450 MW of base load generation to the Ontario system, which will improve the province's reliability of supply. Coincidental to the return of the two Bruce units, Bruce Power is scheduling the outage of other units at the Bruce A plant for extended maintenance work from 2009 to 2011. Thus, in effect, an equivalent of one Bruce unit is added between 2009 and the end of 2011, and two units thereafter.

Additionally, about 725 MW of wind generation has been committed for the Bruce area. Our latest studies done for preparation of the Integrated Power System Plan identify a potential for another 1000 MW or more of wind generation that could be developed in this area. Together, these new resources add to about 1500 MW by 2009, about 2250 MW by 2012, and over 3000 MW in the longer term. The generation increases in the Bruce area between now and 2012, and the possible amount to 2014 are shown in Figure 1.

Figure 1 - Bruce Area Generation



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The existing transmission system that transmits power from the Bruce area to the Greater Toronto Area (GTA) was last expanded around 1990 and has sufficient capacity for the existing generation there now, namely 4 units at Bruce B and two units at Bruce A, with a combined output of about 5060 MW. There is some additional capacity to incorporate the committed wind generation in the Bruce area once the critical sections of two of the Bruce 230 kV circuits, between Hanover and Orangeville, have been uprated and additional static or dynamic shunt reactive sources installed at the Middleport, Orangeville and Detweiler stations. OPA staff has discussed these system reinforcements with Hydro One and IESO staff. Hydro One is currently assessing the extent of the work required to uprate the 230 kV circuits. The OPA recommends that this uprating work should proceed immediately to enable an in-service date of mid 2009. The OPA also recommends that project development work for the addition of static or dynamic

shunt reactive sources be commenced in accordance with any requirements that may be established by the IESO or the OPA.

As stated in the OPA's Transmission Discussion Paper #5, a new 500 kV line from the Bruce area to the GTA is required to address the long term transfer capability requirements out of the Bruce area. However, following the determination of the optimum route, expected approval timelines for a project of this magnitude will not enable the required in-service date of 2009 to be met. Therefore, further measures are required beyond the immediate transmission enhancements described above to bridge the two year gap between the return to service of the Bruce Units 1 and 2 in 2009 and the expected in-service date of late 2011 for the new 500 kV line.

Staff of the OPA and the IESO have worked together in the past year to identify and assess interim measures for increasing the transfer capability between Bruce and the GTA. The interim measures that were found to be the most effective are:

- generation rejection (GR) of up to 1500 MW (two Bruce units or one Bruce unit and wind generation), and

- subject to confirmation from the due diligence study noted below, 30% series compensation of the Bruce to Longwood and Longwood to Nanticoke 500 kV circuits.

The IESO has assessed these interim measures. Their results show that the immediate enhancements combined with GR, which can be placed in service in 2009, will allow the output from seven Bruce units and committed wind generation to be transmitted. Thirty percent (30 %) series compensation may be used as a stop-gap measure to further expand transmission capability to accommodate eight Bruce units if approvals for the new 500 kV line are unduly delayed.

The interim measures are not alternatives to the long-term solution since they increase the risk to the security and reliability of the power system. The use of GR as an interim measure until a more permanent solution is in place is subject to NPCC approval. With regard to the use of series compensation, a new technology for Ontario, for increasing the transmission capability out of Bruce, Hydro One Networks has expressed concern regarding the system and equipment risks. The OPA appreciates this concern and will retain third party experts to undertake a due diligence study to assess the suitability and risks associated with the use of series compensation for this application. Staff of Hydro One Networks and the OPA have drafted a document that addresses the scope of technical issues and concerns to be covered by this study. The process to retain an appropriate consultant has commenced.

Conclusion:

We recommend that:

- Hydro One Networks proceeds as quickly as possible with the work to upgrade the Hanover x Orangeville 230 kV circuits and install static or dynamic shunt reactive sources as identified by the IESO or the OPA, and
- Hydro One Networks, IESO and Bruce Power proceed as quickly as possible with the work to install generation rejection for the Bruce generation.

Further, the OPA is committed to undertaking the due diligence study on series compensation as quickly as possible. OPA staff will attempt to assist you in providing any other information that you may require on these matters.

If you have any questions, I would be happy to discuss them with you.

acting for
Jan Carr
CEO, OPA

cc. Howard Wetston, Chair of OEB

Ontario Power Authority

120 Adelaide Street West
Suite 1600
Toronto, Ontario M5H 1T1

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March 23, 2007

Ms. Laura Formusa
President and CEO (Acting)
Hydro One Inc.
483 Bay Street
Toronto, ON
M5G 2P5

Dear Laura:

Re: A New Transmission Line from the Bruce Area to the Greater Toronto Area

The purpose of this letter is to urge Hydro One Networks Inc. to initiate the activities necessary to construct a new double-circuit 500 kV line between the Bruce Nuclear Power Complex and Hydro One's existing Milton switching station located in the Town of Milton in the western part of the Greater Toronto Area (GTA) for in-service by December 1, 2011. These activities include, but are not limited to, seeking and acquiring required permits, regulatory and environmental approvals, and conducting engineering work and prudent purchase of materials needed to meet the required in-service date.

Our letter to you, Mr. Paul Murphy of the IESO, and Mr. Duncan Hawthorne of Bruce Power, dated December 22, 2006, provided the background, basis and rationale for the need for a long-term solution to reinforce the transmission system out of the Bruce area. The OPA has determined that this long-term solution is a new 500 kV line from the Bruce area to the GTA.

Recognizing that the time needed to complete a project of this magnitude would not meet the timing required to fully tap into additional generation capacity available in the Bruce area, the December 2006 letter recommended that a set of near-term and interim measures should also proceed as soon as possible. These measures are expected to provide the required increase in transmission capability to permit the available power in the Bruce area to be transmitted to Ontario load centres until a long-term solution is in place.

The long-term solution for reinforcing the Bruce transmission must (a) meet the need to deliver the existing, committed and forecast renewable and other resources in the Bruce area in a safe, reliable and cost-effective manner, and (b) be consistent with Ontario's land use policy. The need and rationale for this line are discussed in more detail in the OPA's Transmission Discussion Paper #5 and Discussion Paper #7, the OPA's preliminary IPSP, which were presented to stakeholders in the OPA's Integrated Power System Plan (IPSP) Stakeholder Workshop held in Toronto last November 22 to 24.

Existing resources in the Bruce area total about 5,000 MW. The committed resources will increase the total to about 6,500 MW between 2009 and 2012, and to 7,300 MW after 2012. The OPA, in the development of the IPSP, also identified the potential for another 1,000 MW of renewable generating resources in the Bruce area. Thus, the long-term solution must be able to increase the transmission capability of the Bruce system from today's 5,000 MW level to about 8,300 MW. From this perspective, the only technically acceptable and practical solution is a new 500 kV double-circuit line from the Bruce area directly to the GTA.

.... 2

Provincial land use policy requires that existing transmission corridors be utilized to the extent possible for new transmission lines. This policy narrows the transmission options to two alternatives – from Bruce to Milton or from Bruce to Essa via Orangeville, as shown in Figure 1.

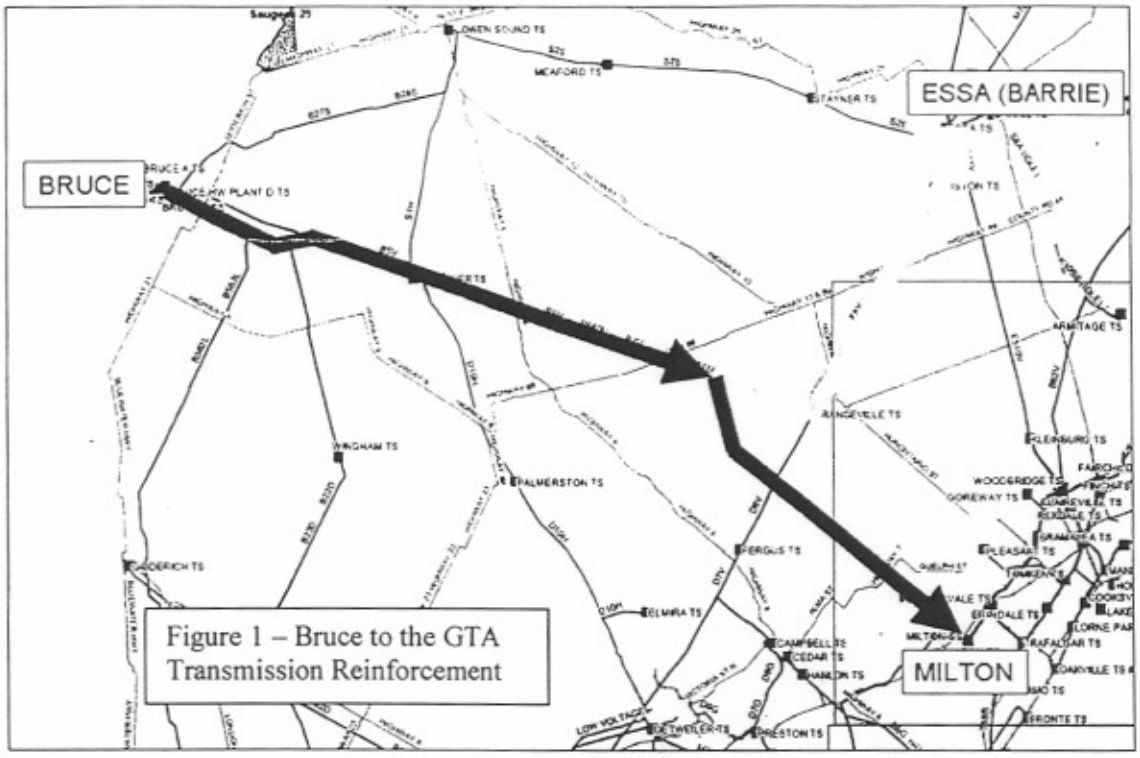

Figure 1 – Bruce to the GTA Transmission Reinforcement

In the past months, OPA, Hydro One, and IESO staff assessed the technical impacts of the two options - Bruce to Milton, and Bruce to Essa. These studies revealed:

- the Bruce to Essa option increases transmission capacity to deliver committed future generation in the Bruce area, including approximately 700 MW of renewable energy capacity. However it does not accommodate the additional 1,000 MW of forecast renewable generating resources, and

- the Bruce to Milton option offers greater capability to deliver future, renewable, generation developments in the Bruce area. Furthermore, unlike the Bruce to Essa option, it does not consume transmission capacity of the Essa (Barrie) to Claireville (GTA) transmission path that is required to accommodate future renewable generation developments north of Barrie.

The feedback from the OPA's IPSP stakeholder workshop has been generally positive concerning the Bruce transmission proposal. Most participants concurred that the transmission capability out of Bruce should be reinforced, particularly to permit the development of renewable generation potential in the Bruce area. Some also commented that, if the new transmission is built, it should have sufficient capability to deliver the existing, committed and future generation in the area. As well, the transmission capability between Barrie and the GTA should be preserved for generation developments north of Barrie.

Since early December 2006, OPA and Hydro One staff have consulted with regional/municipal planners in communities that are impacted by the proposed Bruce to Milton line. In total, eleven municipalities, four counties and one region were contacted. During those consultations, OPA and Hydro One staff explained the need for the line and the rationale for routing the new line within a widened existing Bruce to Milton corridor.

Conclusion:

We have concluded that the Bruce to Milton option is the only transmission alternative that meets the overall need to transmit the existing and committed generation in the Bruce area, to facilitate the development of future resources both in the Bruce area and north of Barrie, to be consistent with provincial land use policy; and to reflect the general support to date from stakeholders for a long-term solution within a widened existing transmission corridor.

We believe that it is crucial that implementation work on the Bruce to Milton transmission line project proceed as quickly as possible. This project was included in the OPA's preliminary IPSP. Although this project is consistent with the IPSP, we do not believe that it can await the outcome of the IPSP proceeding if it is to meet the earliest possible in-service date, which Hydro One staff have indicated is December 1, 2011. If you choose to proceed with this project as the project proponent, you will have the support of the OPA in the regulatory process for this project.

Please feel free to contact us should you require any clarification or additional information.

Yours truly,

Jan Carr
Chief Executive Officer

cc Howard Wetston, Chair - OEB
Paul Murphy, CEO - IESO

Appendix B:
List of Criteria and Indicators

Environment	Features Considered	Indicators	Rationale for Selection of Indicator	Data Source
Natural Environment	Environmentally significant areas	Area of Provincially Significant Wetlands Crossed	Provincial designation Potential for short and long-term effects on wetland habitats	MNR, NHIC
		Area of Provincially Significant ANSIs Crossed	Provincial designation Potential for short and long-term effects on natural features	NHIC
		Number of species at risk (COSSARO and COSEWIC)	Provincial designation Potential for short and long-term effects on species at risk habitat	NHIC
		Area of Non-provincially Significant and/or Unevaluated Wetlands Crossed	Potential for short and long-term effects on wetland habitats	NHIC
	Potential effects on forest resources	Number of woodlots > 2 Ha crossed	Potential for short and long-term effects on woodlots	MNR Municipalities (where significant woodlots have been identified)
		Area of woodlots > 2 Ha crossed	Potential for short and long-term effects on woodlots	MNR

Environment	Features Considered	Indicators	Rationale for Selection of Indicator	Data Source
	Water bodies, fish habitat and aquatic ecosystems	Number of coldwater streams crossed	Provincial designation Potential for short and long-term effects on fisheries resources and habitat	MNR
		Total number of streams crossed	Potential for short and long-term effects on fisheries resources and habitat	MNR
Socio-economic Environment	Existing land use	Existing uses and types	Potential for conflict with existing land uses	Municipal planning and zoning information
	Approved development	Sub-division and development plans	Potential for conflict with sub-division and development plans	
	Commercial activities	Types of business activities	Potential to disrupt or displace businesses	Local Departments of Economic Development
		Tourism related activities	Potential to disrupt or displace tourist attractions	
	Mineral and aggregate resources	Area of mines within the ROW (Ha)	Potential effects may occur on mining operations	MNDM
		Area of pits/quarries within the ROW (Ha)	Potential effects may occur on pits/quarries operation	
	Community profile	Number of potential property removals (buyouts)	Hydro One Policy prohibits homes or family residences from being located within the proposed ROW	GIS shape files, Site Visits

Environment	Features Considered	Indicators	Rationale for Selection of Indicator	Data Source
		Number of potential diagonal severances of properties	Diagonal crossings are considered more disruptive because they limit other uses of land	
		Number of potentially affected properties	Crossings of properties are disruptive to family residences and businesses	
	Community services	Number of health care facilities	Potential for project to disrupt or displace facilities	Local health department
		Number of educational facilities	Potential for project to disrupt or displace educational facilities	School boards and local road maps
		Number of places of worship	Potential for project to disrupt or displace places of worship	Local road mapping, site visits
		Number of other important community facilities	Potential for project to disrupt or displace facilities.	
	Community infrastructure	Number of natural gas pipelines	Potential effects on utility pipelines operations and maintenance	Utility companies
		Number of roads crossed	Potential effects on the driving public, aesthetic and visual	GIS shape files

Environment	Features Considered	Indicators	Rationale for Selection of Indicator	Data Source
		Number of railways crossed (segments)	Potential effects can occur on railway lands and crossings due to the ROW towers, span and overhead clearance	
		Number of airports within 3.2 km of the ROW centerline	Transport Canada requirements for distance separation between transmission routes and runways	Local municipalities, private airport operators
	Landscape and visual assessment	Number of residences, farm residences within 0.8 km from the ROW. Number of trails, waterways, and roads crossed	Proximity of the ROW to residents and recreational users (of scenic landscapes/features) could potentially affect viewer expectations in the vicinity of the lines.	MNR NEC Conservation Authorities Municipalities Heritage Advisory Committees Site visits
		Area of land crossed in the Greenbelt	Provincial designation Potential for short and long-term effects	
		Area and type of land crossed in the Niagara Escarpment	Provincial designation Potential for short and long-term effects	

Environment	Features Considered	Indicators	Rationale for Selection of Indicator	Data Source
Cultural Environment	Built Heritage Resources (BHR)	• Buildings and/or structures of 40 years or older in age. • Building or structures recognized by one or more levels of government, e.g., listed, designated, or included on a register of heritage properties, or commemorative plaque.	Identify built heritage resources of cultural interest or value requiring protection from displacement and/or disruption effects.	• Windshield survey • Municipal Heritage Committees (MHC) • Municipal heritage lists/registers and designations under the *OHA*. • Provincial and federal registers of heritage properties. • Local or regional historical societies or heritage groups • Historical mapping • Secondary sources

Environment	Features Considered	Indicators	Rationale for Selection of Indicator	Data Source
	Cultural Heritage Landscapes (CHL)	• Cultural heritage landscapes of 40 years or older in age. • Landscapes recognized by one or more levels of government, e.g., listed, designated, or included on a register of heritage properties, or commemorative plaque	Identify cultural heritage landscapes of cultural interest or value requiring protection from displacement and/or disruption effects.	• Windshield survey • Municipal Heritage Committees • Provincial and federal registers of heritage properties Local or regional historical societies or heritage groups • Historical mapping • Secondary sources
	Archaeological sites	Area with high archaeological potential under the ROW (Ha)	Identify areas requiring protection due to their important archaeological value	Stage 1 Archaeological Study
	Parks	Number of local parks	Identify and protect natural recreational features	MNR
		Area of local parks		

Environment	Features Considered	Indicators	Rationale for Selection of Indicator	Data Source
		Number and area of conservation areas		
		Number of recreational facilities		
	Conservation areas	Number of trails (segments)	Identify natural areas and ecosystems within the ROW to measure potential effects on use of these facilities	MNR, and Conservation Authorities
	Recreational facilities (camp ground, park, sport field, golf course)	Area of Class 1, 2 and 3 agricultural land within the ROW (Ha)	Identify and protect natural recreational features	MNR and Conservation Authorities, Municipalities, Site visits
		Distance of Class 1, 2, and 3 agricultural lands crossed (Km)		
Agricultural Environment	Class of land	Area of Class 1, 2 and 3 land within the ROW.	Provincial Policy requires that use of Class 1, 2 3 lands for ROW be avoided as much as possible	OMAFRA

Environment	Features Considered	Indicators	Rationale for Selection of Indicator	Data Source
	Tile drains	Area of tile drained land (Ha) Systematic Random	Agricultural drainage could be potentially affected by the ROW	
	Specialty Crops	Area of specialty crop land within the ROW	Specialty crops could potentially be affected by the ROW	Field surveys

SUPPORTING DOCUMENTATION
RECORD OF CONSULTATION
(DRAFT)

Bruce to Milton
Transmission Reinforcement Project

SUPPORTING DOCUMENTATION
RECORD OF CONSULTATION
(DRAFT)

Bruce to Milton
Transmission Reinforcement Project

July 2007

Hydro One Networks Inc.
Environmental Services and Approvals
483 Bay Street, North Tower, 13th Floor
Toronto, ON, M5G 2P5

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1.0 INTRODUCTION

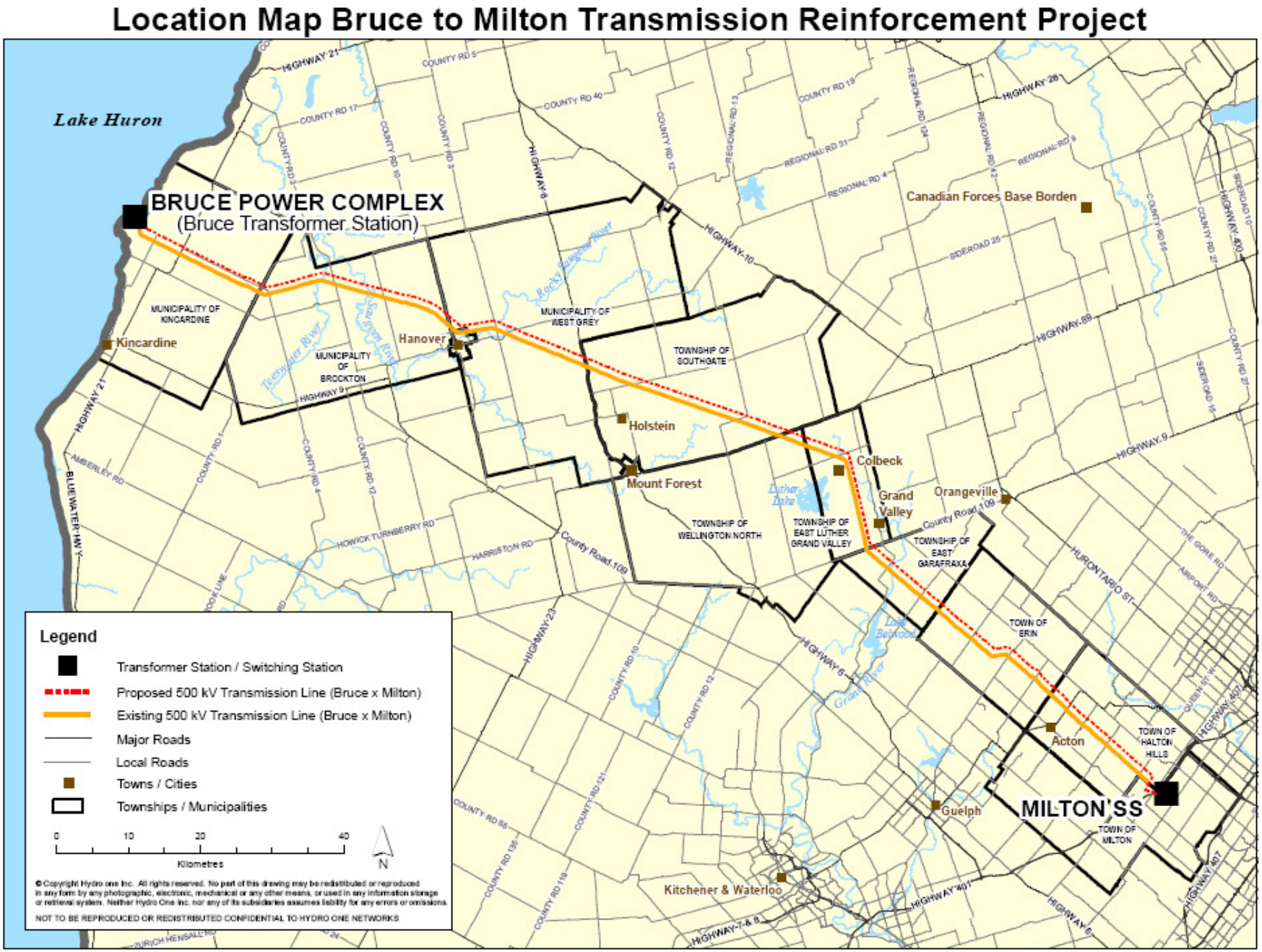
This supporting document represents the Record of Consultation for the Terms of Reference (ToR) process. The information is prepared as required by section 6.3 of the *EA Act*.

Consultation is an integral component of the preparation of the Environmental Assessment (EA) for the Bruce to Milton Transmission Reinforcement Project. As outlined in the ToR, this record consist of two primary sections, the first section describes consultation activities undertaken as part of the ToR, the second section describes the results of these consultation activities including comments and concerns identified and how the proponent responded to and considered these comments and concerns in the development of the ToR. A description of the Aboriginal Groups engagement activities undertaken during the development of the ToR is also presented in this record.

1.1 Overview of Project

Hydro One Networks has initiated an EA and submitted an application to the Ontario Energy Board to construct a 180 kilometre double-circuit 500 kV transmission line from Bruce Power Complex near Kincardine to Hydro One's switching station in Milton. The proposed project will cross five upper tier municipalities (Bruce, Grey, Dufferin, and Wellington Counties and the Regional Municipality of Halton) and 11 lower tier municipalities (Kincardine, Brockton, Hanover, West Grey, Southgate, Wellington North, East Luther Grand Valley, East Garafraxa, Erin, Halton Hills and Milton). Figure 1.1 presents a map of the study area.

Figure 1.1 Map of Study Area



2.0 CONSULTATION ACTIVITIES

This section of the Record describes consultation activities that have already taken place leading to preparation of the Draft ToR. Consultation activities will continue throughout the Draft ToR review period and the results of this consultation will be presented in the Proposed ToR formally submitted to the Ministry of the Environment. Summaries of the feedback obtained through all consultation activities are presented in tables 4.1 to 4.3.

In addition to proceeding through the EA process, Hydro One has also submitted applications to the Ontario Energy Board seeking approval under Section 92 of the Ontario Energy Board Act (OEB Act), "Leave to Construct", and for approval under Subsection Section 98 (1.1) of the OEB Act, "Early Access to Land". These approvals are being pursued concurrently with the EA process. As part of the OEB approval process, interested stakeholders are invited to request status as intervenor or observer and may make motions to the OEB. Because the OEB and EA processes are proceeding concurrently, Hydro One decided to incorporate EA-related comments made to the OEB into the EA process. This was aimed at ensuring all EA-related comments were considered in the EA process, whether made as part of the EA itself or the OEB process, and provided a one-window approach to commenting on the two processes.

Table 4.4 summarizes the EA-related issues and comments received through the OEB process. Responses to these issues will be addressed during the OEB hearings process. If the OEB process does not resolve these issues, Hydro One will work to provide responses to these EA-related issues.

2.1 Stakeholder Identification

There is a wide range of interests and stakeholders associated with the proposed project including but not limited to:

- residents within the right-of-way (ROW) of the proposed transmission line;
- residents within 500 m of the ROW;
- non-government organizations and groups with an interest in the project;
- provincial and federal agencies with an interest in the project including the Government Review Team; and
- municipalities affected by the project.

The list of stakeholders consulted is dynamic and the initial list will expand to incorporate new stakeholders identified during the course of the project. *Appendix A* includes provincial agencies, municipalities, conservation authorities and interest groups contacted to date.

On March 26, 2007, the Ontario Power Authority and Hydro One issued news releases (*Appendix B*) to announce the start of the Bruce to Milton Transmission Reinforcement Project. This marked the official start of public communications phase of this project. Advance notice of the project launch was provided to key municipal officials including those in the affected municipalities, counties and region.

2.2 Notice of Commencement of Terms of Reference

Commencement of the ToR was published in local newspapers during the weeks of April 16, 23 and 30, 2007, and included a brief explanation of project, key contact information, and information on dates and locations on upcoming Public Information Centres (PICs). A copy of the notice is presented in *Appendix C*. A copy of the Notice was sent to directly-affected property owners and other stakeholders on March 26. The purpose of this Notice was to alert interested stakeholders in the area that the EA had begun and where they could go to obtain further information and actively participate in the EA process.

2.3 Newsletter

Copies of the project newsletter (see *Appendix D*) were mailed to directly affected residents and business, as well as agencies, municipalities during the week of March 26, 2006. The newsletter included an overview of the project, approvals needed and the processes involved, information for affected landowners, and notice of upcoming PICs and other opportunities to participate in the process. Landowners within 500 meters of the reference corridor received the newsletter through unaddressed admail distributed the week of April 16, 2007 (Table 2.1).

Table 2.1 Unaddressed Admail Distribution of Newsletter

Delivery Installation (Secondary)	**Delivery Mode** (General Delivery – GD, Lock Boxes – LB, Rural Route – RR)	**Total Number Delivered**
Milton	GD, LB, RR 4 and 5, and SS 3, 6 and 7	2,854
Georgetown	LB and RR 2 and 3	1,083
Limehouse	RR 1	278
Acton	LB and RR 2, 3 and 4	1,103
Hillsburgh	LB and RR 1 and 2	852
Guelph	RR 1	125
Orton	RR 1, 2 and 3	529
Belwood	GD and RR 4	197
Grand Valley	LB and RR 2, 3 and 4	1,547
Conn	RR 1, 2 and 3	243
Dundalk	LB and RR 2 and 5	985
Mount Forest	LB and RR 1 and 2	797
Holstein	GD and RR 1 and 2	364
Durham	LB and RR 3 and 4	1,939
Hanover	LB and RR 1 and 3	1,127
Walkerton	GD, LB and RR 1, 2 and 4	2,694
Elmwood	LB and RR 1 and 2	535
Cargill	LB and RR 1 and 2	304
Paisley	GD, LB and RR 1 and 2	628
Tiverton	LB and RR 1, 2 and 3	1,286
Total		**19,470**

2.4 Web Site

A web site was developed to provide easy access to project information and documentation. Web-based comment ability was also provided as a means to collect input from visitors to the web site and contact information for the project mailing list. Information available on the web site includes:

- Project introduction;
- Notices of Commencement (of the Terms of Reference);
- Newsletters;
- Background reports;
- Links;
- Fact Sheets;
- Frequently Asked Questions;
- Contact information;
- Information on opportunities and mechanisms to provide input; and,
- Ontario Energy Board documents and links.

2.5 Hot-Line and Email

Hydro One established a toll-free Project Hotline (1-877-345-6799 or locally 416-345-6799), and the Hotline is staffed by Hydro One Corporate Communications during regular business hours, with an option to leave messages on a 24/7 basis. The Hotline has provided a very effective means of opening the communication channels with landowners and other interested stakeholders. The calls have been documented, and where staff were not able to provide a response, action items were directed to subject matter experts within the Company. These individuals would follow-up with a phone call, in writing and in some cases in person to address the expressed concerns.

Approximately, 150 calls were received on the Hotline between March 26 and June 30. The great majority of calls (75%) were from affected property owners, and the majority of questions and discussions have focused on land matters, e.g. compensation, property value impacts, potential impacts on family or business activities, as well as questions about the EA and OEB processes.

Communications materials also promoted the use of email, fax and regular mail to submit comments on the project and to be added to the project mailing list. Information gathered through phone calls, emails, faxes, and letters has been compiled and presented in tables 4.1, 4.2 and 4.3. This information will inform both the OEB and EA processes.

2.6 Property Owner Meetings

Property owners were initially notified of the project through a letter that was sent to all directly affected properties along the corridor at the time the project was announced. The letters were included in a package that provided further information on the project (including a project newsletter) and informed affected landowners of dates and locations of scheduled PICs. Property owners were notified that the reference route crosses their

land and that a Hydro One property agent would be contacting them and visit with them. Property agent meetings with property owners will allow agents to provide information on the project, answer questions and identify key issues held by property owners.

2.7 Agency Consultation

A summary of the meetings and correspondence with agencies is presented in table 4.2

Municipalities

Leading up to the announcement of the project, Hydro One met with many senior municipal officials including Chief Administrative Officers, planning directors and other senior staff of affected municipalities to introduce the project. The following preliminary meetings were held:

December 4, 2006 – Municipality of Kincardine
December 4, 2006 – Town of Hanover
December 4, 2006 – County of Bruce
December 4, 2006 – Municipality of Brockton
December 13, 2006 – County of Grey and Township of Southgate
December 14, 2006 – Township of Wellington North
December 14, 2006 – Municipality of West Grey
January 9, 2007 – Township of East Luther Grand Valley
January 9, 2007 – County of Dufferin
January 9, 2007 – Town of Erin
January 11, 2007 – Township of East Garafraxa
January 17, 2007 – Town of Milton
January 22, 2007 – Regional Municipality of Halton
January 31, 2007 – County of Wellington
January 31, 2007 – Town of Halton Hills

The mayors and Members of Provincial Parliament (MPPs) of the affected communities received information packages, a large study area map and the project newsletter on March 27th. Hydro One and OPA staff also met with MPPs, at their request, on April 17 and May 16, 2007, to provide a project overview and answer questions. These meetings included MPPs or their representatives from the following ridings:

- Bruce – Grey – Owen Sound
- Waterloo – Wellington
- Halton
- Burlington

The key issue raised at these meetings was impact on property owners (e.g. compensation, property acquisition, timing, and rights under expropriation). Hydro One will continue to keep elected officials updated on these matters.

Hydro One and OPA staff were also invited to a number of Council meetings to provide an overview of the project. These included the Township of East Garafraxa on April 10, the Municipality of West Grey on April 16, 2007, and the Township of East Luther Grand Valley on June 12. Hydro One staff also met with the Mayor and a Councilor from the

Municipality of Brockton on June 12. Land matters and the impact of the project on property owners were the primary focus of these meetings. A presentation was also made to Town of Erin Council on March 21, 2007, prior to the project being formally announced.

At the East Garafraxa Council meeting, there were approximately 20 local residents and business owners present. The Mayor allowed questions from the audience and the focus was on:

- Property value impacts and compensation issues
- Impact on Orton Park
- Electric and magnetic fields (EMFs)
- Impact on agricultural activities
- Potential for a third transmission line

Following the Council meeting, Hydro One and OPA staff continued discussions with a smaller group of landowners and committed to post responses to their questions on the project website under the FAQ section. Hydro One also encouraged residents to attend a public information centre so that more detailed discussions could occur.

Provincial and Federal Agencies
Hydro One and its consultants have convened meetings with the following organizations to collect date and identify issues and concerns:

December 11, 2006 – Niagara Escarpment Commission
May 9, 2007 – Credit Valley Conservation Authority (attended meeting with the Regional Municipality of Halton)
May 9, 2007 – Halton Region Conservation Authority (attended meeting with the Regional Municipality of Halton)
January 25, 2007 – Canadian Environmental Assessment Agency
February 22, 2007 – Ministry of Agriculture Food and Rural Affairs
March 8, 2007 (Teleconference) – Ministry of Natural Resources
May 1, 2007 – Saugeen Valley Conservation Authority
June 4, 2007 – Grand River Conservation Authority

2.8 Interest Group Consultation

The Hydro One project team has contacted specific interest groups that will likely be affected by the project. Local organizations including community associations representing environmental, energy and agricultural interests were identified as interests groups (see *Appendix A)*. These interest groups were first contacted thorough initial contact letters sent during the week of March 26, 2007.

Meetings were conducted with two interest groups: The Ontario Federation of Agriculture on April 27, 2007; and the Orton Community Association on May 28, 2007. Correspondence was received from several interest groups, either directly to Hydro One or indirectly to Hydro One through correspondence to the Ontario Energy Board. Table 4.3 presents a summary of the interest groups meetings and issues discussed at these meetings. Table 4.4 summarizes information submitted to the OEB but related to EA issues.

2.9 Public Information Centres (PICs)

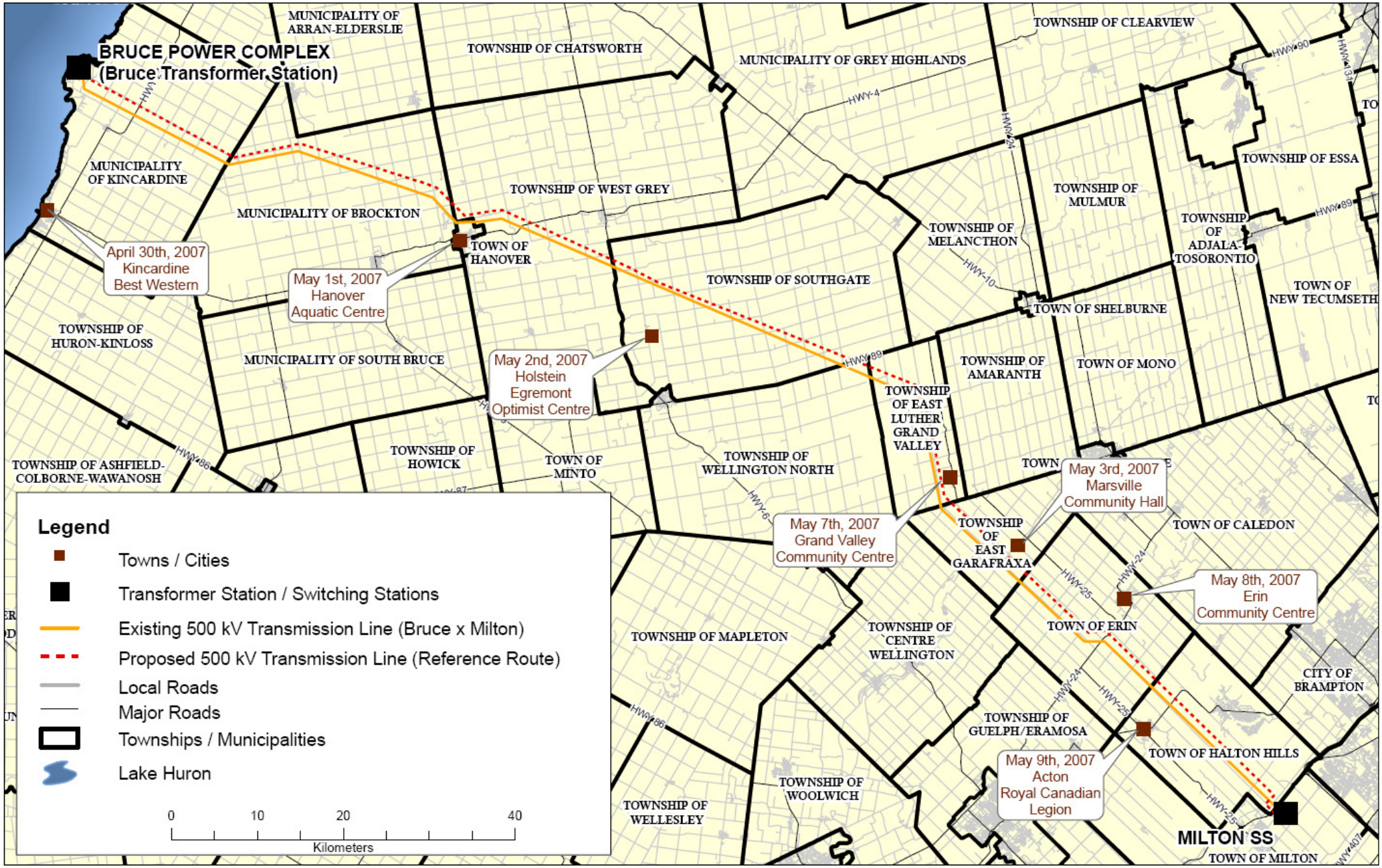
Several PICs were held during the preparation of the ToR, a description of the PICs, attendance and a summary of issues/comments are presented below:

2.9.1 PIC Locations

Public Information Centres (PICs) were scheduled in seven communities along the route: Kincardine, Hanover, Holstein, Grand Valley, Marsville, Erin and Acton (Figure 2.1). Locations were selected based on number of factors, such as:

- Distance from the reference route;
- Number of directly affected properties in the area;
- Reasonable driving distance between the various locations; and
- Size and availability of appropriate facilities to host the event.

Figure 2.1 Map of PIC Locations



2.9.2 PIC Notification

Notice of Commencement of the EA ToR (*Appendix C*) was published as a full-page advertisement in local community newspapers along the route (Table 2.2). Members of the public, landowners, government agencies, Aboriginal Groups, and interest groups were invited to attend the PICs. A letter announcing the study and a project newsletter, listing the location and times for the PICs were mailed to affected property owners the week of March 26, 2007. The project newsletter (see *Appendix D*), which included notice of the upcoming PICs, was distributed to landowners located within 500 metres of the corridor through unaddressed admail during the week of April 16, 2006.

Table 2.2 Notice of Commencement and PIC Ad Runs

Media	Running Dates
Owen Sound Sun Times	April 19 and April 24, 2007
Kincardine Independent	April 18, 2007
Kincardine News	April 18 and 25, 2007
Shoreline Beacon	April 18 and 25, 2007
Walkerton Herald-Times	April 18 and 25, 2007
Hanover Post	April 20 and 27, 2007
Dundalk Herald	April 18 and 25, 2007
Mount Forest Confederate	April 18 and 25, 2007
Orangeville Banner	April 20 and 27, 2007
Orangeville Citizen	April 19 and 26, 2007
Grand Valley Star	April 26, 2007
Wellington Advertiser	April 20 and 27, 2007
Erin Advocate	April 25 and May 2, 2007
Georgetown/Acton Independent & Free Press	April 25 and May 4, 2007
Milton Canadian Champion	April 24, 2007
Acton New Tanner	April 26, 2007

2.9.3 PIC Summary

The PICs were organized in an open house format and were held from 4:00 p.m. to 8:00 p.m. No formal presentations were made, but one-on-one interaction was encouraged among attendees and the project team, which included representatives from Hydro One, the Ontario Power Authority (OPA) and consultants assisting with the project. Subject matter experts on the team were available to answer questions covering a wide range of topics including property acquisition and compensation, the need and selection of the route, construction, operations, EA and OEB regulatory processes and environmental effects.

Display panels (see *Appendix E*) providing information on the project background, current conditions, need and alternatives, key issues, OEB and EA processes, and EA Terms of Reference were set up around the room with staff available to answer questions. Large aerial photos showing affected properties and the expanded corridor associated with the reference route were displayed on tables and were a useful resource for landowners who wanted to discuss their particular property with Hydro One staff.

All attendees were greeted at the entrance to the PIC and were asked to sign-in. Staff at the registration desk provided attendees with a copy of the Hydro One and OPA newsletters and a comment form (*Appendix E*) and asked attendees if they would like to speak to Hydro One staff with expertise in specific areas. Particular attention was paid to affected landowners and priority was placed on ensuring that these individuals were introduced to appropriate Hydro One staff so that their questions were addressed.

Prior to each PIC, municipal officials were invited to attend a one-hour PIC Preview. The intent was to provide municipal representatives with an overview of the project and an opportunity to discuss any issues with the project team, to enable them to participate more fully in the public portion of the PIC. Municipal representatives attended both the previews and the regularly scheduled sessions and almost all the affected communities were represented (i.e. Hanover, Brockton, Southgate, West Grey, East Luther Grand Valley, East Garafraxa, Erin and Halton Hills). Municipal officials raised a number of issues which Hydro One is addressing as part of the EA process. These issues are summarized below:

- Fair treatment of affected property owners
- Impact on planned commercial development
- Impact on municipal property tax assessment resulting from removal of houses or major farm buildings along the widened transmission corridor
- Need for more details on how to participate in the OEB and EA processes
- Expropriation of properties/land rights vs. negotiation with property owners
- Impacts on Orton Park located in the Township of East Garafraxa
- Woodlot impacts and reforestation policy

Table 2.3 summarizes attendance at each public information centre as well as the number of comment forms submitted. Over 500 people attended the PICs; and while the majority were affected property owners, other participants included Ontario Federation of Agriculture (OFA) representatives, elected municipal officials and staff, Orton Community Association members, a Métis group representative, wind energy representatives, real estate agents, legal counsel for affected landowners, media and the general public.

Table 2.3 PIC – Overall Attendance

Date	PIC Location	Attendance		Comment Forms	
		Total	Property Owners (Percentage)	Total Submitted	Submission Percentage
April 30, 2007	Kincardine	26	27%	4	15%
May 1, 2007	Hanover	151	69%	29	19%
May 2, 2007	Holstein	75	68%	22	29%
May 3, 2007	Marsville	134	19%	22 (incl. 4 letters)	16%
May 7, 2007	Grand Valley	51	59%	7	14%
May 8, 2007	Erin	43	60%	4	10%
May 9, 2007	Acton	45	49%	7	16%
Comment Forms submitted after the PICs				5	
Total		**529**	**51%**	**100**	**18%**

Table 2.4 summarizes attendance by landowners of affected properties at each PIC. Affected properties are those which the proposed widened corridor crosses. In the case of most properties, Hydro One intends to acquire an easement; but in a limited number of cases, Hydro One is seeking to purchase the property outright ("buyouts") since there is a home or major farm building within the widened corridor.

Prior to the PICs, Hydro One contacted all property owners who were potential buyouts to encourage them to attend the PIC and discuss their preliminary issues and concerns. At the end of the seven PICs, Hydro One had made contact and begun the dialogue with over 50% of all affected property owners and approximately 88% of the potential buyouts. The PICs provided an excellent opportunity for staff to learn about specific property owner concerns regarding issues such as compensation, unique environmental features and impacts, business and lifestyle impacts. Hydro One plans to contact all owners who did not attend the PICs to ensure they have sufficient project information and provide a property agent contact and answer any preliminary inquiries.

Table 2.4 PIC – Affected Property Owner and Buyout Attendance

Municipality (Total Number of Properties)	Property Status	# of Properties	Properties With at Least One Owner Attending PICs	% of potentially Affected Property Owners Attending PICs
Kincardine*	Affected	14	1	7%
	Buyout	0	0	-
Brockton	Affected	64	35	55%
	Buyout	7	6	86%
Hanover	Affected	16	12	75%
	Buyout	2	2	100%
West Grey	Affected	64	38	59%
	Buyout	7	5	71%
Southgate	Affected	73	41	56%
	Buyout	7	7	100%
Wellington North	Affected	7	3	43%
	Buyout	1	1	100%
East Luther Grand Valley	Affected	29	20	69%
	Buyout	3	3	100%
East Garafraxa	Affected	26	12	46%
	Buyout	0	0	-
Erin	Affected	47	24	51%
	Buyout	1	1	100%
Halton Hills	Affected	44	12	27%
	Buyout	5	3	60%
Milton	Affected	2	0	0%
	Buyout	0	0	-
TOTAL	Affected	**386**	**198**	**51%**
	Buyout	**32**	**28**	**88%**

* Majority of properties owned by Management Board Secretariat.

At the majority of PICs, property impacts were the key issue. As a result, residents tended to speak to project staff on a one-on-one basis to discuss their particular situation. This was the trend for all but the Marsville, PIC, which was attended by over 100 members of the Orton community. The Orton Community Association members expressed their concern about the impact of the proposed transmission line on Orton Park. After initial discussions between the president of the Orton Community Association and senior Hydro One staff, an agreement was reached to form a joint committee to explore options to address community

concerns regarding the future of the park. The first meeting of this joint committee occurred on May 28, 2007, and future meetings are being scheduled.

Comments received during the PICs from the public, agencies, and interest groups will be posted subsequently.

3.0 ABORIGINAL GROUPS ENGAGEMENT ACTIVITIES

Hydro One recognizes the importance to engage with First Nations and the Métis regarding the Bruce to Milton Project. there is no reserve land directly affected by the Bruce to Milton Project; however, six First Nations and three Métis Groups were identified as having a potential interest in the project: the Chippewas of Nawash, the Chippewas of Saugeen (together the Saugeen Ojibway Nation), the Six Nations of the Grand River including both the Elected Band Council and the Haudenosaunee Six Nations Confederacy Council (Haudenosaunee), the Mississaugas of New Credit, the Hurone Wendat, the Georgian Bay Métis Council, the Grey Owen Sound Métis Council and the Saguingue Métis Council.

Hydro One's engagement process for Aboriginal Groups is designed to provide relevant information on the project to the Aboriginal Groups in a timely manner and to respond to and consider issues, concerns or questions raised by the Aboriginal Groups in a clear and transparent manner throughout the completion of the regulatory approval processes. Engagement with Aboriginal Groups will:

- provide project-related information, including ensuring that all publicly available information is also made available to the Aboriginal Groups;
- seek relevant information from the Aboriginal Groups that may be applicable to the ROW, including information on aboriginal interests and treaty rights including archaeological sites, and sacred sites and burial grounds;
- offer information centers or meetings with Aboriginal Groups to provide project-related information and to address any concerns, issues or questions about the project;
- provide information, where requested, on the OEB regulatory process and the EA process regarding the project;
- give consideration to all issues and concerns raised by Aboriginal Groups and to how the project may affect these interests,
- consider any potentially affected interests, and clearly communicate the results; and,
- record all forms of engagement with Aboriginal Groups, including the creation of a list of concerns and issues raised regarding the project and Hydro One's responses.

3.1 Engagement Activities

Engagement activities included email and phone communication, meetings and providing information packages to Aboriginal Groups thought to have a potential interest in the Bruce to Milton Project (as identified above).

Engagement activities began in December 2006, with phone calls to the Six Nations Elected Band Council and the Haudenosaunee Six Nations Confederacy Council, and in January 2007 with phone calls to the Chippewas of Nawash and the Chippewas of Saugeen. These phone calls introduced the project and offered meetings to provide more information on the project. Table 3.1 presents a summary of Aboriginal Groups engagement activities to date.

Engagement activities included communication through phone calls and or letters with all the identified First Nations and Métis groups. During the weeks of March 5 and March 12, calls were placed to all Aboriginal Groups identified to date with the exception of the Grey Owen Sound Métis Council, whose contact information was difficult to track down. A subsequent call was place to the Grey Owen Sound Métis Council on March 28, as soon as corrected contact information was available. The purpose of these calls was to introduce the project and an offer to meet was made at that time. Some meetings have occurred to date, while others are planned. These communications and meetings will continue as part of the project planning process. Issues and concerns identified through the process as well as Hydro One's response to these issues and concerns will be documented as part of the EA document.

Meetings have been held with the Saugeen Ojibway Nation and the Haudenosaunee Six Nations Confederacy Council. Meetings are being planned with Six Nations Elected Band Council.

Additionally, Hydro One has begun discussions with both the Saugeen Ojibway Nation and the Haudenosaunee on consultation protocols. Hydro One has provided a draft to Saugeen Ojibway Nation which they are presently considering. On May 25, Hydro One met with the Saugeen Ojibway First Nation to discuss the protocol agreement as well as terms and conditions under which they and Hydro One will work to address issues during project planning. Hydro One also initiated discussion with the Saugeen Ojibway consultants hired to participate on behalf of the First Nation regarding archaeology and biology and met with them on June 27, 2007. A discussion on a funding arrangement enabling Saugeen Ojibway First Nation involvement in the EA was also held at this time. On June 28, a follow up call was made from the Saugeen Ojibway First Nation to Hydro One to further discuss aboriginal and treaty rights, the duty to consult, and the need to submit a project description to the Canadian Environmental Assessment Agency.

Hydro One has also provided a draft of a consultation protocol to the Haudenosaunee, who in return, provided a different version of a consultation protocol to Hydro One. On July 5th, Hydro One met with the Six Nations Confederacy. The purpose of the meeting was to further discuss the protocol agreement and the terms and conditions which the parties will work to address concerns re: the Bruce to Milton. More meetings are required to further discuss these protocols.

Since the areas of interest for the Six Nations and the Saugeen Ojibway Nation overlap, Hydro One has suggested that a joint meeting would be advantageous for all involved. To date it has not been possible to arrange a joint meeting.

Hydro One will continue to offer to meet and will continue to circulate information packages and notifications to the Aboriginal Groups.

Table 3.1 Details of Aboriginal Groups Engagement Activities to Date

Dates Contacted	Aboriginal Groups Contacted	Activity	Issues Identified	Response
December 2006	Haudenosaunee Six Nations Confederacy Council and Six Nations of the Grand River Elected Band Council	Phone calls Project Introduction/offer to meet	NA	NA
January 2007	Chippewas of Nawash First Nation and Chippewas of Saugeen First Nation	Phone calls Project Introduction/offer to meet	NA	NA
January 16, 2007	Haudenosaunee Six Nations Confederacy Council	Meeting	Want Hydro One to agree to master agreement/principles on how we will work together with the Confederacy on Tx projects. Agreement deals with archeological, biodiversity, hunting, economic participation	Agreement is being developed
January 30, 2007	Chippewas of Nawash First Nation and Chippewas of Saugeen First Nation	Meeting	• Consultation approach and duty to consult • Lack of OPA consultation with First Nations in the IPSP • Appreciate early contact; this will provide a good opportunity to develop an effective consultation approach	
Weeks of March 5 and March 12, 2007	All identified to date (exception Grey Owen Sound Métis Council	Phone Call	NA	NA
March 28	Grey Owen Sound Métis Council	Phone Call	NA	NA
March 28, 2007	Chief LaForme, Mississaugas of the New Credit First Nation	Project Contact Letters		
March 28, 2007	Chief MacNaughton, Six	Project Contact		

Dates Contacted	Aboriginal Groups Contacted	Activity	Issues Identified	Response
	Nations of the Grand River	Letters		
March 28, 2007	Chief D.M. General, Six Nations of the Grand River	Project Contact Letters		
March 28, 2007	Grand Chief Gros-Louis Max, Huronne-Wendat Nation	Project Contact Letters		
March 28, 2007	Chief Nadjiwan, Chippewas of Nawash Unceded First Nation	Project Contact Letters		
March 28, 2007	Jim McLay, President, Saguingue Métis Council	Project Contact Letters		
March 28, 2007	Eldon Bardie, President, Georgian Bay Métis	Project Contact Letters		
March 28, 2007	Chief Kahgee, Saugeen First Nation	Project Contact Letters		
March 30, 2007	Grey Owen Sound Métis	Phone Call		
March 30, 2007	Chippewas of Nawash First Nation and Chippewas of Saugeen First Nation and Envrionmental Officer of Saugeen and Nawash First Nations	Meeting		
April 2, 2007	Peter Coture, Interim President, Grey Owen Sound Métis Council	Added to contact list and sent a Project Contact Letter		
April 20, 2007	Chippewas of Nawash First Nation and Chippewas of Saugeen First Nation and Envrionmental Officer of Saugeen and Nawash First Nations	Meeting		
May 23, 2007	Chief LaForme, Mississaugas of the New Credit First Nation	Project Contact Letters		

Dates Contacted	Aboriginal Groups Contacted	Activity	Issues Identified	Response
May 25, 2007	Chippewas of Nawash First Nation and Chippewas of Saugeen First Nation and Envrionmental Officer of Saugeen and Nawash First Nations	Meeting		
June 27, 2007	Saugeen Ojibway First Nation and consultatnts hired to participate on their behalf	Meeting		
June 28, 2007	Saugeen Ojibway First Nation	Phone call to Hydro One	Concern re government's duty to consult/applicability of *CEA Act* to project	Hydro One will submit a project description to CEA Agency for their determination of applicability of *CEA Act*.
June 28, 2007	Saugeen Ojibway First Nation	Email follow up to June 27 meeting and June 28 phone call		
July 5, 2007	Six Nations Confederacy	Meeting		

4.0 RESULTS OF CONSULTATION ACTIVITIES

Summaries of public, agency and interest group comments and Hydro One responses will be posted subsequently.

APPENDIX A

List of External Agencies, Aboriginal Peoples and Interest Groups

Bruce to Milton Transmission Reinforcement Project EA
List of Agencies

First Name	Surname	Title	Department	Organization	Address	City	Province	Postal Code	E-mail
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Paul	Emerson	Chief Administrative Officer		Grand River Conservation Authority	400 Clyde Road, P.O. Box 729	Cambridge	Ontario	N1R 5W6	pemerson@grandriver.ca
Jim	Woods	Manager of Conservation Area Operations		Grand River Conservation Authority	400 Clyde Road, P.O. Box 729	Cambridge	Ontario	N1R 5W6	jwoods@grandriver.ca
Gary	Murphy	Manager, Environmental Advisory Services (Planning)	Environmental Advisory Services (Planning)	Credit Valley Conservation Authority	1255 Old Derry Road	Mississauga	Ontario	L5N 6R4	gmurphy@creditvalleycons.com
Kathy	Brown	Planning & Permits		Grand River Conservation Authority	400 Clyde Road, P.O. Box 729	Cambridge	Ontario	N1R 5W6	kbrown@grandriver.ca
Gary	Senior	Manager, Environmental Planning & Regulations	Environmental Planning and Regulations	Saugeen Valley Conservation Authority	R.R.#1	Hanover	Ontario	N4N 3B8	g.senior@svca.on.ca
Clifford	Frank	A/Regional Director, Civil Aviation - Ontario	Civil Aviation	Transport Canada	4900 Yonge Street, Suite 300	Toronto	Ontario	M2N 6A5	FRANKC@tc.gc.ca
Louise	Knox	Director	Ontario Regional Office	Canadian Environmental Assessment Agency	55 St. Clair Avenue, Room 907	Toronto	Ontario	M4T 1M2	Louise.Knox@ceaa-acee.gc.ca
Ken	Brant	District Manager, Southern District	Habitat Management Program	Fisheries and Oceans Canada	201 North Front Street, Suite 703	Sarnia	Ontario	N7T 8B1	brantk@dfo-mpo.gc.ca
Rob	Dobos	Head, Assessment	Ontario Region	Environment Canada	867 Lakeshore Road West, P.O. Box 5050	Burlington	Ontario	L7R 4A6	rob.dobos@ec.gc.ca
Kitty	Ma	Environment Assessment Coordinator	Safe Environment Program	Health Canada	2301 Midland Avenue	Toronto	Ontario	M1P 4R7	kitty_ma@hc-sc.gc.ca
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Donna	Mundie	Land Use Policy Specialist, Resources - Env. & Land Use Policy	Agricultural Land Use	Ministry of Agriculture, Food and Rural Affairs	1 Stone Rd W, 3rd Flr	Guelph	Ontario	N1G4Y2	donna.mundie@ontario.ca
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Bruce to Milton Transmission Reinforcement Project EA
List of Agencies

First Name	Surname	Title	Department	Organization	Address	City	Province	Postal Code	E-mail
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Bruce to Milton Transmission Reinforcement Project EA
List of Agencies

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Barry	Silver	Senior Policy Advisor	Policy and Relations Branch	Ontario Secretariat for Aboriginal Affairs	720 Bay Street, 4th Floor	Toronto	Ontario	M5G 2K1	barry.silver@osaa.gov.on.ca
Richard C.	Saunders	Director	Negotiations Branch	Ontario Secretariat for Aboriginal Affairs	720 Bay Street, 4th Floor	Toronto	Ontario	M5G 2K1	richard.c.saunders@osaa.gov.on.ca
Michael S.	Wolczyk	Manager	Marketing and Planning	Go Transit	20 Bay Street, Suite 600	Toronto	Ontario	M5J 2W3	michaelw@gotransit.com
Steve	Hounsell	Senior Advisor	Sustainable Development	Ontario Power Generation	H19 F02, 700 University Ave	Toronto	Ontario	M5G 1X6	steve.hounsell@opg.com
Dick	Hibma	Chair		Conservation Ontario	120 Bayview Parkway, Box 11	Newmarket	Ontario	L3Y 4W3	info@conservation-ontario.on.ca
Steven	Mitchell	O.A.A., Architect - Pupil Accommodation Unit	Business Services Branch	Ministry of Education	21st Floor, Mowat Block, 900 Bay Street	Toronto	Ontario	M7A 1L2	steven.mitchell@edu.gov.on.ca
Nick	Munaretto	Manager (Acting)	Facilities, Emergency Management and Security Branch	Ministry of Community Safety and Correctional Services	25 Grosvenor Street, 17th Floor	Toronto	Ontario	M7A 1Y6	nick.munaretto@jus.gov.on.ca or nick.munaretto@ontario.ca
Sheryl	Bennett	Senior Officer	Accommodations Services Section	Ontario Provincial Police	777 Memorial Avenue, 1st Floor	Orillia	Ontario	L3V 7V3	sheryl.bennett@jus.gov.on.ca
Al	Squires	Superintendent, Bureau Commander	Operational Policy and Support	Ontario Provincial Police	777 Memorial Avenue, 1st Floor	Orillia	Ontario	L3V 7V3	n/a
Fernando	Traficante	Director	Sector Competitiveness Branch	Ministry of Economic Development and Trade	900 Bay Street, 7th Floor, Hearst Block	Toronto	Ontario	M7A 2E1	fernando.traficante@eoi.gov.on.ca
Gregory	Wootton	Director	Investment Branch	Ministry of Economic Development and Trade	900 Bay Street, 7th Floor, Hearst Block	Toronto	Ontario	M7A 2E1	gregory.wootton@ontario.ca
Fred	Ruf	Acting Head-Food & Safety, Safe Water & Env.Health & Toxicology Unit	Public Health Branch	Ministry of Health and Long-term Care	8th Floor, 5700 Yonge Street	Toronto	Ontario	M2M 4K5	fred.ruf@moh.gov.on.ca
Joan	Van Kralingen	Manager, Policy Analysis and Development	Corporate Policy Secretariat	Ministry of Northern Development and Mines	Rm 5630, Whitney Block, 99 Wellesley St. W	Toronto	Ontario	M7A 1C3	n/a
Kevin	French	Director	Universities Branch	Ministry of Training, Colleges and Universities	Mowat Block, 7th Floor, 900 Bay St.	Toronto	Ontario	M7A 1L2	n/a
Paul	Lacoste	Manager, Engineering and Environmental Services	Rail Infrastructure Directorate	Canadian Transportation Agency	Terrasses de la Chaudière 15 Eddy Street	Gatineau	Quebec	K1A 0N9	paul.lacoste@cta-otc.gc.ca
Anton	Pojasok	General Manager	Environment and Cultural Heritage Group	Ontario Realty Corporation	11th Floor, Ferguson Block, Queen's Park, 77 Wellesley Street	Toronto	Ontario	M7A 2G3	anton.pojasok@orc.gov.on.ca

Bruce to Milton Transmission Reinforcement Project EA
Elected Officials

Last Name	First Name	Title	Riding	Address	City	Province	P. Code	Telephone	Fax	Email
Chudleigh	Ted	MPP (Con)	Halton	192 Main Street East, Suite 100	Milton	ON	L9T 1N8	905-878-1729	905-878-5144	ted_chudleigh@pc.ola.org ted_chudleigh@ontla.ola.org
Chong	Michael D.	MP (Con)	Wellington-Halton Hills	200 St. Patrick Street East, Suite 5	Fergus	ON	N1M 1M4	519-843-7344	519-843-3760	Chong.M@parl.gc.ca
Turner	Garth	MP (Independent)	Halton	86 Main Street East	Milton	ON	L9T 1N3	905-693-0166	905-693-0704	Turner.G@parl.gc.ca; garth@garth.ca

Bruce to Milton Transmission Reinforcement Project EA
List of Municipalities

	A	B	C	D	E	F	G	H
1	**First Name**	**Last Name**	**Title**	**Municipality**	**Address 1**	**Address 2**	**Prov**	**P. Code**
2	Mitch	Twolan	Warden	County of Bruce	30 Park Street, P.O. Box 70	Walkerton	ON	N0G 2V0
3	Wayne	Jameison	CAO	County of Bruce	30 Park Street, P.O. Box 70	Walkerton	ON	N0G 2V0
4	Bettyanne	Cobean	Clerk	County of Bruce	30 Park Street, P.O. Box 70	Walkerton	ON	N0G 2V0
5	Chris	La Forest	Director, Planning	County of Bruce	30 Park Street, P.O. Box 70	Walkerton	ON	N0G 2V0
6	Larry	Kraemer	Mayor	Municipality of Kincardine	1475 Concession 5, R.R. 5	Kincardine	ON	N2Z 2X6
7	John	deRosenroll	CAO	Municipality of Kincardine	1475 Concession 5, R.R. 5	Kincardine	ON	N2Z 2X6
8	Donna	McDougall	Clerk	Municipality of Kincardine	1475 Concession 5, R.R. 5	Kincardine	ON	N2Z 2X6
9	Michele	Barr	Planning & Building C	Municipality of Kincardine	1475 Concession 5, R.R. 5	Kincardine	ON	N2Z 2X6
10	Charlie	Bagnato	Mayor	Municipality of Brockton	100 Scott Street	Walkerton	ON	N0G 2V0
11	Richard	Radford	CAO/Clerk	Municipality of Brockton	100 Scott Street	Walkerton	ON	N0G 2V0
12	Bob	Pringle	Warden	County of Grey	595 9th Avenue East	Owen Sound	ON	N4K 3E3
13	Gary	Wood	CAO	County of Grey	595 9th Avenue East	Owen Sound	ON	N4K 3E3
14	Sharon	Vokes	Clerk	County of Grey	595 9th Avenue East	Owen Sound	ON	N4K 3E3
15	Janice	McDonald	Director, Planning & I	County of Grey	595 9th Avenue East	Owen Sound	ON	N4K 3E3
16	Kathi	Maskell	Mayor	Town of Hanover	341 10th Street	Hanover	ON	N4N 1P5
17	William	Roberts	CAO/Clerk	Town of Hanover	341 10th Street	Hanover	ON	N4N 1P5
18	Don	Thedford	Planning Administrato	Town of Hanover	341 10th Street	Hanover	ON	N4N 1P5
19	Kevin	Eccles	Mayor	Municipality of West Grey	402813 Grey Road, R.R. 2	Durham	ON	N0G 1R0
20	Mark	Turner	Deputy Clerk/Planner	Municipality of West Grey	402813 Grey Road, R.R. 2	Durham	ON	N0G 1R0
21	Christine	Shewchuk	CAO/Clerk	Municipality of West Grey	402813 Grey Road, R.R. 2	Durham	ON	N0G 1R0
22	Don	Lewis	Mayor	Township of Southgate	R.R. 1, 185667 Grey Road 9	Dundalk	ON	N0C 1B0
23	Doug	Kopp	Chief Building Officia	Township of Southgate	R.R. 1, 185667 Grey Road 9	Dundalk	ON	N0C 1B0
24	Don	Seim	Administrator/Clerk	Township of Southgate	R.R. 1, 185667 Grey Road 9	Dundalk	ON	N0C 1B0
25	John	Green	Warden	County of Wellington	74 Woolwich Street	Guelph	ON	N1H 3T9
26	Scott	Wilson	CAO	County of Wellington	74 Woolwich Street	Guelph	ON	N1H 3T9
27	Donna	Van Wyck	Clerk	County of Wellington	74 Woolwich Street	Guelph	ON	N1H 3T9
28	Gary	Cousins	Director, Planning & I	County of Wellington	74 Woolwich Street	Guelph	ON	N1H 3T9
29	Mike	Broomhead	Mayor	Township of Wellington North	Box 125, 7490 Sideroad 7 West	Kenilworth	ON	N0G 2E0
30	Harold	Knox	Chief Building Inspec	Township of Wellington North	Box 125, 7490 Sideroad 7 West	Kenilworth	ON	N0G 2E0
31	Lorraine	Heinbuch	CAO	Township of Wellington North	Box 125, 7490 Sideroad 7 West	Kenilworth	ON	N0G 2E0
32	John	Oosterhof	Warden	County of Dufferin	51 Zina Street	Orangeville	ON	L9W 1E5

Bruce to Milton Transmission Reinforcement Project EA
List of Municipalities

	A	B	C	D	E	F	G	H
33	Linda	Dean	CAO/Clerk	County of Dufferin	51 Zina Street	Orangeville	ON	L9W 1E5
34	John	Oosterhof	Mayor	Township of East Luther Grand V	5 Main Street North	Grand Valley	ON	L0N 1G0
35	Jane M.	Wilson	CAO/Clerk-Treasurer	Township of East Luther Grand V	5 Main Street North	Grand Valley	ON	L0N 1G0
36	Jack	Cruttenden	Planner	Township of East Luther Grand V	5 Main Street North	Grand Valley	ON	L0N 1G0
37	Allen	Taylor	Mayor	Township of East Garafraxa	374028 6th Line, Amaranth,RR #3	Orton	ON	L0N 1N0
38	Susan	Stone	CAO/Clerk-Treasurer	Township of East Garafraxa	374028 6th Line, Amaranth,RR #3	Orton	ON	L0N 1N0
39	Tracey	Alkinson	Planner	Township of East Garafraxa	374028 6th Line, Amaranth,RR #3	Orton	ON	L0N 1N0
40	Rod	Finnie	Mayor	Town of Erin	5864 Wellington Road 24, RR#2	Hillsburgh	ON	N0B 1Z0
41	Sally	Stull	Planner	Town of Erin	5864 Wellington Road 24, RR#2	Hillsburgh	ON	N0B 1Z0
42	Kathryn	Ironmonger	Clerk	Town of Erin	5864 Wellington Road 24, RR#2	Hillsburgh	ON	N0B 1Z0
43	Lisa	Hass	Town manager	Town of Erin	5864 Wellington Road 24, RR#2	Hillsburgh	ON	N0B 1Z0
44	Gary	Carr	Chairman	Halton Region	1151 Bronte Road	Oakville	ON	L6M 3L1
45	Jane	MacCaskill	Acting CAO	Halton Region	1151 Bronte Road	Oakville	ON	L6M 3L1
46	**Jason L.**	Scott	Senior Environmental	Planner	1151 Bronte Road	Oakville	ON	L6M 3L1
47	Peter	Crockett	Commissioner Planni	Halton Region	1151 Bronte Road	Oakville	ON	L6M 3L1
48	Rick	Bonnette	Mayor	Town of Halton Hills	1 Halton Hills Drive	Halton Hills	ON	L7G 5G2
49	Bruce	MacLean	Director of Planning	Town of Halton Hills	1 Halton Hills Drive	Halton Hills	ON	L7G 5G2
50	Adam	Farr	Planner, Manager of	Town of Halton Hills	1 Halton Hills Drive	Halton Hills	ON	L7G 5G2
51	Dennis	Perlin	CAO	Town of Halton Hills	1 Halton Hills Drive	Halton Hills	ON	L7G 5G2
52	Gordon	Krantz	Mayor	Town of Milton	43 Brown Street	Milton	ON	L9T 5H2
53	Mel	Iovio	Director of Planning	Town of Milton	43 Brown Street	Milton	ON	L9T 5H2
54	Troy	McHarg	Clerk	Town of Milton	43 Brown Street	Milton	ON	L9T 5H2
55	Mario	Belvedere	CAO	Town of Milton	43 Brown Street	Milton	ON	L9T 5H2
56								
57								

Bruce to Milton Transmission Reinforcement Project EA
List of First Nations

Organization	First Name	Surname	Title	Address	Address - City	Postal Code
Mississaugas of New Credit First Nations	Bryan	LaForme	Chief	2789 Mississauga Road, R.R. #6,	Hagersville, ON	N0A 1H0
Six Nations Confederacy	Allan	MacNaughton	Chief	Middleport Plaza, 1110 Highway # 54, R.R. #2	Caledonia, ON	N3W 2G9
Six Nations of the Grand River Territory	David M.	General	Chief	1695 Chiefswood Road, P.O. Box 5000	Ohsweken, ON	N0A 1M0
Grey Owen Sound Metis Council	Peter	Couture	Interim President	380 9th Street East	Owen Sound, ON	N4K 1P1
Saguingue Métis Council	Jim	McLay	President	Box 1582	Port Elgin, ON	N0H 2C0
Georgian Bay Métis Council	Ron	Lepage	President	RR 2, Box 50, 9170 County Rd. W., Unit 301	Midland, ON	L4R 4K4
Chippewas of Nawash Unceded First Nations	Paul	Nadjiwan	Chief	Lakeshore Boulevard, R. R. # 5	Wairton, ON	N0H 2T0
Saugeen First Nations	Randall	Kahgee Jnr	Chief	Fire #6493, R. R. # 1, Highway # 21	Southampton, ON	N0H 2L0
Huronne-Wendat Nation	Gros-Louis	Max	Grand Chief	255 Place Chief Michel Laveau	Wendake, QC	G0A 4V0
Georgian Bay Metis	Eldon	Bardie	President	R. R. # 2, Box 50, 9170 County Road West, Unit 301	Owen Sound, ON	L4R 4K4

Bruce to Milton Transmission Reinforcement Project EA
List of Interest Groups

Name	Title	Interest Group	Mailing List	Telephone	Email
		Birds Studies Canada	P.O. Box 160 Port Rowan, ON N0E 1M0		
		Bruce County Farmers' Association			
		Bruce Peninsula Environment Group			
Beth Kummling	Executive Director	Bruce Trail Association	PO Box 857 Hamilton, ON L8N 3N9		
		Christian Farmers' Association (Christian Farmers' Federation of Ontario)	7660 Mill Rd., RR 4 Guelph, ON N1H 6J1		
		Coalition On the Niagara Escarpment (CONE)	Box 389 Acton, ON L7J 2M6		
		Conservation Haltom	2596 Britannia Road West, RR 2 Milton, ON L9T 2X6		
		Credit River Conservation Authority	1255 Old Derry Road Mississauga, ON L5N 6R4		
James Cassell	Chairperson	Don't Assault Rural Environments	RR #4 13389 Torbram Road Caledon East, ON L0N1E0		
		Energy Action Haltom	2180 Sixth Line Oakville, ON L6H 3N1		
		Environmental Defense	317 Adelaide Street West Suite 705 Toronto, ON M5V 1P9		
		Friends of Saugeen Shores			friendssaugeensh@bmts.com
		Grand River Conservation Authority	400 Clyde Road, PO Box 729 Cambridge, Ontario N1R 5W6		
		Greenpeace	Main office 250 Dundas St. W, Suite 605 Toronto, ON M5T 2Z5		
Paul Dankowich		Halton Environmental Network	148 Kerr Street Oakville, ON L6K 3A7		
		Halton/North Peel Naturalist Club	Box 115 Georgetown, ON L7G 4T1		
		Halton Regional Environmental Advisory Committee	Regional Municipality of Halton Ecological and Environmental Advisory Committee 1151 Bronte Road Oakville, ON L6M 3L1		
Jim Ginn		Huron Perth Chapter of the Ontario Woodlot Association	R. R. # 2 Clinton, ON N0M 1L0		

		Huron Stewardship Council	Box 819, 100 Don Street Clinton, ON N0M 1L0		
		Milton Rural Residents Association	5408 Derry Road Milton, ON L9T 2X6		
Marion Watkins	Secretary	National Farmers' Union (Ontario Region)	9874 Canoe Lake Road, R. R. # 2 Godfrey, ON K0H 1T0		
		Niagara Escarpment Commission	Thornbury Office Niagara Escarpment Commission 99 King Street East, Thornbury, ON N0H 2P0		
Liz Benneian	President	Oakville Green	76 Inverhuron Trail Oakville, ON L6H 5Z7		
Jack Gibbons	Chair	Ontario Clean Air Alliance	Ontario Clean Air Alliance 625 Church Street, Suite 402 Toronto, ON M4Y 2G1		
Shane T. Pospisil	President and CEO	Ontario Energy Association	77 Bloor Street West, Suite 1104 Toronto, ON M5S 1M2	(416) 961-2339 ext. 227	spospisil@energyontario.ca
		Ontario Federation of Agriculture	Ontario AgriCentre 100 Stone Road West, Suite 206 Guelph, ON N1G 5L3		
		Ontario Greenbelt Alliance	317 Adelaide Street West, Suite 705 Toronto, ON M5V 1P9		
		Ontario Nature	Head Office 366 Adelaide Street West, Suite 201 Toronto, ON M5V 1R9		
		Ontario Parks (MNR)	300 Water Street, P.O. Box 7000 Peterborough, ON K9J 8M5		
Peter White	Environmental & Resources Manager	Ontario Stone, Sand & Gravel Association	365 Brunel Road, Unit 2 Mississauga, ON L4Z 1Z5	T: 905-507-0711 F: 905-507-0717	
Myrna Donaldson	President	Orton Community Association	R.R. #1 Orton, ON L0N 1N0	T: 519-855-6398	
		Owen Sound Field Naturalists	Box 401 Owen Sound, ON N4K 5P7		
		Pembina Institute	164 Wellington Street Gatineau, Quebec J8X 2J4		
		Pollution Probe	Toronto Office 625 Church Street Suite 402 Toronto, ON M4Y 2G1		
		POWER (Protect Our Water and Environmental Resources)	P.O. Box 192 Georgetown, Ontario L7G 4T1		
		Protecting Escarpment Rural Land	40572 Upper Brant Postal Outlet Burlington, ON L7P 4W1		

		Saugeen Field Naturalists	P.O. Box 20156 Hanover, ON N4N 3T1		
		Saugeen Valley Conservation Authority	R.R. # 1 Hanover, ON N4N 3B8		
		Sierra Club (Ontario Chapter)	24 Mercer Street Toronto, ON M5V 1H3		
		Sierra Legal Defense Fund	30 St. Patrick Street, Suite 900 Toronto, ON M5T 3A3		
		TEAC (Halton Hills Town Environmental Advisory Committee)	Town Environmental Advisory Committee Clerk's Department 1 Halton Hills Drive Halton Hills, ON L7G 5G2		
Robert Barlow c.c. William Allison		5th Line Business Group	General Delivery 10416 22nd Side Road Limehouse, ON L0P 1H0 c.c R.R. #3 10739 15th Side Road Georgetown, ON L7G 4S6	Barlow T: 905-873-7552 F: 905-702-0430 Allison T: 905-877-9219	barlow@hummingbirdwireless.ca
Dave & Anne Clifford		5th Line Business Group (other members)	10417 22nd Side Road Limehouse, Ontario Canada L0P 1H0	T: 905-873-6162 F: 905-873-0693	accent@hummingbirdwireless.ca
Steven Joyce		5th Line Business Group (other members)	1222 5th Line Limehouse, Ontario Canada L0P 1H0	T: 905-873-0001 F: 905-873-0004	steven.j@mac.com
John Hofing		5th Line Business Group (other members)	1817 17th Side Road Georgetown, Ontario Canada L7G 4S6	T: 905-873-1490	jayhoo@aztech-net.com
Robert McClure		5th Line Business Group (other members)	RR#5 9308 10 Side Road Milton, Ontario L9T 2X9	T: 905-876-7081	clurehaven@hotmail.com
Vivien & Ralph Cunningham		5th Line Business Group (other members)	RR#1 11908th 5th Line Limehouse, Ontario Canada L0P 1H0	T: 905-877-6885 F: 905-877-6208	vcumm@sympatico.ca
		5th Line Area Residents (not a group name)	Halton Hills		
		10/4 Ratepayers Group	Halton Hills 10th Sideroad/4th Line area		

APPENDIX B

Initial contact letters to Property Owners, External Agencies, Aboriginal Peoples, Interest Groups and the general public (News Releases).

John Landowner
123 Anystreet
Anytown, ON A1A 1A1

Lot X Con Y
East Luther

March 26, 2007

Dear Resident:

I am writing to let you know that Hydro One Networks (Hydro One) plans to expand the existing transmission system from Bruce County to the Town of Milton to accommodate 3,000 megawatts of emission-free power coming online in the Bruce area by 2011. The new transmission line will travel from the shores of Lake Huron to the Orangeville area and then south to the Town of Milton. We are contacting you because your property may be affected.

Why is this Project Needed?

The Ontario Power Authority (OPA), a statutory agency responsible for power planning for the province, has determined the need, route and timing of the new transmission line. By the end of 2011, about 3,000 megawatts of additional emission-free electricity is expected to be produced in the Bruce area from new wind generation and the return-to-service of two units at the Bruce Power facility on Lake Huron.

To provide the necessary transmission capability to bring this power from the Bruce area to Ontario's electricity consumers, the OPA has recommended that Hydro One construct the 500 kV line adjacent to the existing line from the Bruce Power facility to Hydro One's Milton Switching Station, a distance of approximately 180 kilometres. Hydro One is Ontario's largest electricity transmitter and is responsible for obtaining all necessary approvals to allow construction and operation of the line.

The Scale of the Project

To accommodate the new line, the existing transmission corridor from Bruce to Milton will need to be widened by approximately 53 to 61 metres (175–200 feet), as shown on the attached map. Widening the transmission corridor makes it necessary for Hydro One to obtain additional easement rights and, in a limited number of cases, purchase properties.

What is the Approvals Process?

The project will require both *Environmental Assessment Act* (EA) and *Ontario Energy Board Act* approvals. Hydro One will undertake the EA and Ontario Energy Board (OEB) approval processes concurrently in order to meet the earliest in-service date for this line of late 2011. Environmental impacts will be addressed in the EA process.

We are currently starting the first step in the EA, which involves the preparation of an EA Terms of Reference. This will outline the information to be considered in the assessment process.

The OEB is responsible for ensuring that construction and operation of the proposed new transmission line is in the public interest. In carrying out this mandate, the OEB must consider the impacts the project may have upon consumers with respect to prices, as well as matters that concern the reliability and quality of electricity service.

At the end of March, Hydro One will file two applications with the OEB. The first application is for the approval to construct and operate the line. The second application requests OEB approval to allow Hydro One employees and representatives access to properties along the proposed line to undertake a limited number of activities (including field and legal surveys, and soil testing) during 2007.

Working with You

We are committed to working closely with you throughout the OEB and Environmental Assessment approvals process to address any concerns you may have about this project. We are committed to engaging you early in the process and keeping you informed directly, as well as through regular project updates online and through regular newsletters (see newsletter attached).

Hydro One will also hold several Public Information Centres (PICs) in affected communities this spring where representatives will be on hand to provide more project details and answer questions. We encourage you to attend the PIC closest to you. Please check the enclosed newsletter for dates and times.

Hydro One will be contacting you as a landowner to discuss the project and to answer your specific questions.

In the meantime, if you have any questions, please contact Enza Cancilla, Manager, Public Affairs or Carrie-Lynn Ognibene, Senior Advisor, Community Relations at 1-877-345-6799, or visit our website at: www.HydroOneNetworks.com/BrucetoMilton.

Sincerely,

Gary Schneider
Project Manager

Enc.

Hydro One Networks Inc.

483 Bay Street
6597
North Tower, 13th Floor
Toronto, Ontario, M5G 2P5
www.HydroOneNetworks.com

Tel: (416) 345

Fax: (416) 345 6919

April 16, 2007

Jane DeVito
Environmental Planner - Milton / Puslinch Areas
Planning Department
Halton Region Conservation Authority
2596 Britannia Road West, R.R. #2
Milton, Ontario
L9T 2X6

RE: Bruce to Milton Transmission Reinforcement Project

Dear Ms. DeVito:

This letter is to inform you that Hydro One Networks Inc. (Hydro One) has initiated an Environmental Assessment (EA) for proposed transmission facilities required to enhance system efficiency and reliability in Southwestern Ontario.

This project would provide an alignment for delivery of power from two refurbished units at the Bruce Nuclear Power Complex, as well as committed and forecasted power from wind generating units in the Bruce area. The undertaking will reinforce and expand the existing 500 kV right-of-way from the Bruce Nuclear Power Complex along a direct path running approximately 178 km to the Milton Switching Station (see map). The study area crosses the Counties of Bruce, Grey, Dufferin, and Wellington and Regional Municipality of Halton.

This project is subject to the requirements of Ontario's *Environmental Assessment Act* and Regulation 116/01, as an Individual Environmental Assessment (EA) for transmission lines. The EA will examine the potential effects, mitigation measures and range of alternative methods along the Bruce to Milton transmission route. All mitigation and control plan activities will follow Hydro One's Environmental Guidelines for Construction and Maintenance of Transmission Facilities. SENES Consultants Limited, Dillon Consulting Limited and Stantec Consulting Ltd. have been retained to assist Hydro One in preparing the Environmental Assessment Report.

We would like to determine the interest of your group in this proposed undertaking. Please complete and return the Fax Back Form (attached) indicating the appropriate contact person. We would be pleased to arrange a meeting to gather input/feedback and discuss with you the areas of interest and/or concern regarding this project. Our consultant with SENES Consultants Limited will be in touch with you over the next couple of weeks to discuss your interest and gather relevant information for this project.

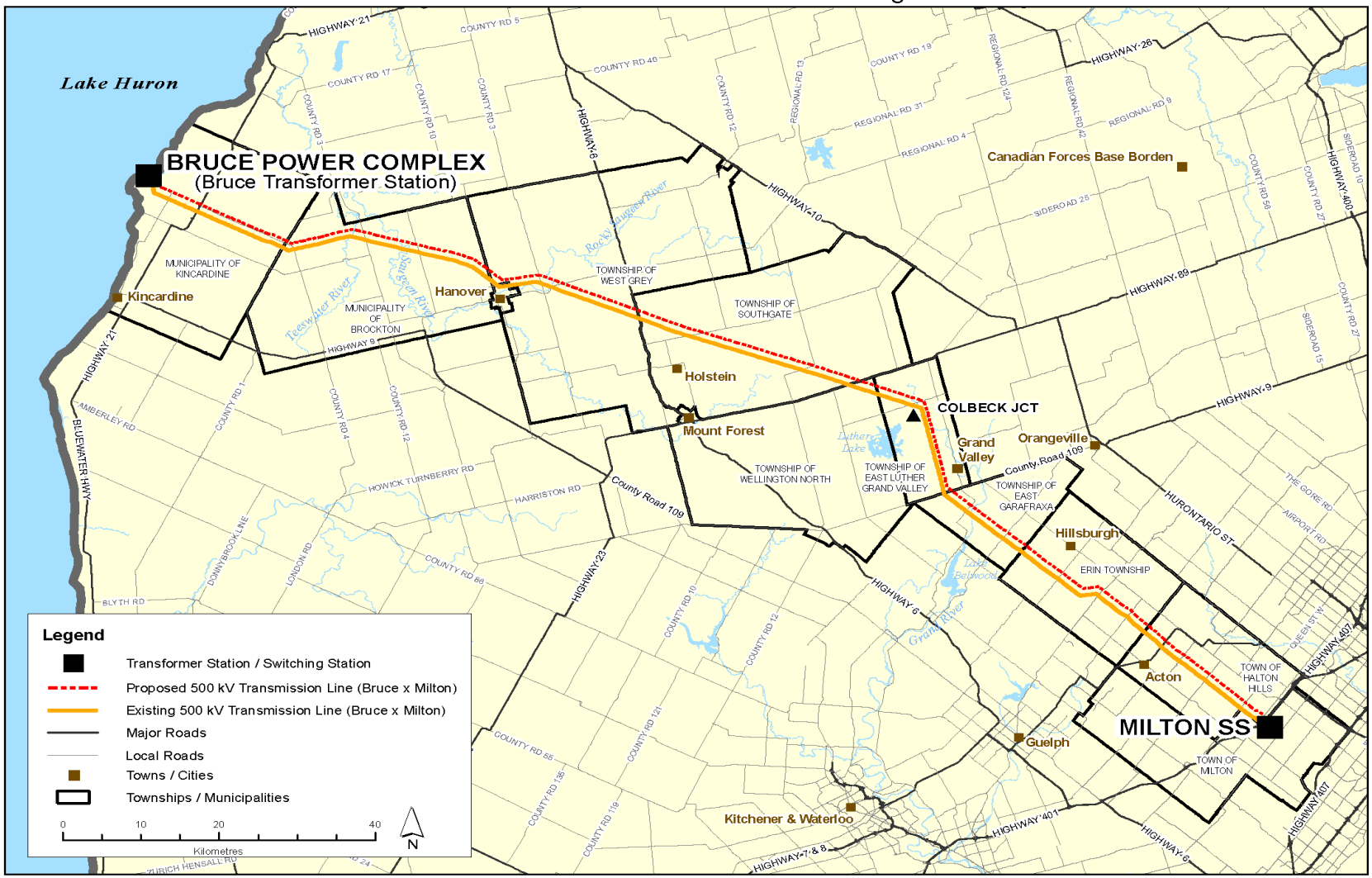
If you have any questions regarding this project please feel free to contact me at (416) 345-6597, or Carol Ann Jessup at (416) 345-5368. Further information can also be found at our website http://www.hydroonenetworks.com/en/community/projects/transmission/bruce_to_milton/default.asp

Sincerely,

Brian McCormick, Manager
Environmental Services & Approvals

Location Map Bruce - Milton Reinforcement Project

Bruce Transformer Station to Milton Switching Station



FAX BACK FORM

To: Carol Ann Jessop, Hydro One Networks Inc. Date: _____

Fax: (416) 345-6919

RE: Bruce to Milton Transmission Reinforcement Project

Contact Name: _____

Position Title: _____

Department: _____

Municipality/Agency: _____

Address: _____

_____

Phone: _____

Fax: _____

Email: _____

Please indicate the appropriate response:

___ We are interested in providing input regarding this study.

___ We are not interested in providing input regarding this study but would like to be kept on Hydro One's mailing list.

___ Please take us off Hydro One's mailing list for this study.

Your areas of interest or concern/preliminary comments:

Please provide the information of additional contact persons. (Attach additional sheets if required.)

Any questions may be directed to Carol Ann Jessop, Environmental Planner, at (416) 345-5368

March 28, 2007

Mississaugas of the New Credit First Nation
Chief Bryan LaForme
2789 Mississauga Road, R.R. #6
HAGERSVILLE, Ontario N0A 1H0

Re: Bruce to Milton Transmission Project

Dear Chief LaForme:

Further to our earlier discussions with Margaret Salt on this project, Hydro One Networks (Hydro One) would like to inform you about plans to build and operate a new transmission line. The proposed line will travel from the shores of Lake Huron to the Orangeville area and then south to the Town of Milton adjacent to an existing transmission line. We are contacting you because your First Nation may have an interest in this project.

Why is this Project Needed?

The Ontario Power Authority (OPA), a statutory agency responsible for developing a long-term integrated power system plan for the province, has determined the need, route and timing of the new transmission line. By the end of 2011, about 3,000 megawatts of additional emission-free electricity is expected to be produced in the Bruce area from new wind generation and the return-to-service of two units at the Bruce Power facility on Lake Huron.

To provide the necessary transmission capability to transmit this power from the Bruce area to Ontario's electricity consumers, the OPA has recommended that Hydro One construct the 500 kV line adjacent to the existing line from the Bruce Power facility (Bruce) to Hydro One's Milton Switching Station (Milton), a distance of approximately 180 kilometres. Hydro One is Ontario's largest electricity transmitter and is responsible for obtaining all necessary approvals to allow construction and operation of the line.

First Nations Engagement

In May, Hydro One will be holding several public information centres in affected non-Aboriginal communities along the route. We welcome your participation at one of these sessions where you will have an opportunity to learn more about the project, provide input and discuss any issues or concerns with our project team. Please check the attached newsletter for the dates and time for the PIC nearest to you.

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Sincerely,

INFORMATION COPY ONLY
ORIGINAL SIGNED BY

Mike Sheehan
Vice-President, Facilities & Real Estate
Corporate & Regulatory Affairs

Enc.

Cc: Margaret Salt

March 28, 2007

Chippewas of Nawash Unceded First Nation
Chief Paul Nadjiwan
Lakeshore Blvd. R.R. #5
WIARTON, Ontario N0H 2T0

Re: Bruce to Milton Transmission Project

Dear Chief Nadjiwan:

Further to our earlier discussions on this project, Hydro One Networks (Hydro One) would like to inform you about plans to build and operate a new transmission line. The proposed line will travel from the shores of Lake Huron to the Orangeville area and then south to the Town of Milton adjacent to an existing transmission line. We are contacting you because your First Nation may have an interest in this project.

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Sincerely,

INFORMATION COPY ONLY
ORIGINAL SIGNED BY

Mike Sheehan
Vice-President, Facilities & Real Estate
Corporate & Regulatory Affairs

Enc.

March 28, 2007

Saguingue Metis Council
Mr. Jim McLay, President
Box 1582
PORT ELGIN, Ontario N0H 2C0

Re: Bruce to Milton Transmission Project

Dear Mr. McLay:

Further to the recent telephone call with Carol Anne Jessup of our office, Hydro One Networks (Hydro One) would like to inform you about plans to build and operate a new transmission line. The proposed line will travel from the shores of Lake Huron to the Orangeville area and then south to the Town of Milton adjacent to an existing transmission line. We are contacting you because your Métis group may have an interest in this project.

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Sincerely,

INFORMATION COPY ONLY
ORIGINAL SIGNED BY

Mike Sheehan
Vice-President, Facilities & Real Estate
Corporate & Regulatory Affairs

Enc.

April 2, 2007

Grey Owen Sound Metis Council
Mr. Peter Coture, Interim President
380 Ninth Street, East
OWEN SOUND, Ontario N4K 1P1

Re: Bruce to Milton Transmission Project

Dear Mr. Coture:

Further to our discussion with Diane Owen, Hydro One Networks (Hydro One) would like to inform you about plans to build and operate a new transmission line. The proposed line will travel from the shores of Lake Huron to the Orangeville area and then south to the Town of Milton adjacent to an existing transmission line. We are contacting you because your Métis group may have an interest in this project.

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Sincerely,
Information Copy Original
Signed by

Mike Sheehan
Vice-President, Facilities & Real Estate
Corporate & Regulatory Affairs

Enc.

Cc: Diane Owen

March 28, 2007

Georgian Bay Metis
Mr. Eldon Bardie, President
R.R. #2, Box 50, 9170 County Road West, Unit 301
MIDLAND, Ontario L4R 4K4

Re: Bruce to Milton Transmission Project

Dear Mr. Bardie:

Further to the recent telephone call from Carol Anne Jessup to Angela LeSaux, Hydro One Networks (Hydro One) would like to inform you about plans to build and operate a new transmission line. The proposed line will travel from the shores of Lake Huron to the Orangeville area and then south to the Town of Milton adjacent to an existing transmission line. We are contacting you because your Métis group may have an interest in this project.

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Sincerely,

INFORMATION COPY ONLY
ORIGINAL SIGNED BY

Mike Sheehan
Vice-President, Facilities & Real Estate
Corporate & Regulatory Affairs

Enc.

Cc: Angela LeSaux

March 28, 2007

Six Nations of the Grand River
Chief D.M. General
1695 Chiefswood Road, P.O. Box 5000
OHSWEKEN, Ontario N0A 1M0

Re: Bruce to Milton Transmission Project

Dear Chief General:

Further to our earlier discussions with Jo-Anne Greene on this project, Hydro One Networks (Hydro One) would like to inform you about plans to build and operate a new transmission line. The proposed line will travel from the shores of Lake Huron to the Orangeville area and then south to the Town of Milton adjacent to an existing transmission line. We are contacting you because your First Nation may have an interest in this project.

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Sincerely,

INFORMATION COPY ONLY
ORIGINAL SIGNED BY

Mike Sheehan
Vice-President, Facilities & Real Estate
Corporate & Regulatory Affairs

Enc.

Cc: Jo-Anne Greene

Bcc: Peter Gregg- TCT15, Gary Schneider - TCT15, Enza Cancilla - TCT08, RobThomson - R32
Carol Anne Jessup – TCT13, Brian McCormick – TCT13, Gail Brearley – R32

March 28, 2007

Huronne-Wendat Nation
Grand Chief Gros-Louis Max
255 Place Chief Michel Laveau
WENDAKE, Quebec G0A 4V0

Re: Bruce to Milton Transmission Project

Dear Grand Chief Gros-Louis Max:

Further to our earlier telephone call to your Band Administrator, Hydro One Networks (Hydro One) would like to inform you about plans to build and operate a new transmission line. The proposed line will travel from the shores of Lake Huron to the Orangeville area and then south to the Town of Milton adjacent to an existing transmission line. We are contacting you because you may have an interest in this project.

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INFORMATION COPY ONLY
ORIGINAL SIGNED BY

Mike Sheehan
Vice-President, Facilities & Real Estate
Corporate & Regulatory Affairs

Enc.

Cc: David Donnelly

March 28, 2007

Six Nations of the Grand River
Chief Allen MacNaughton
Middleport Plaza, 1110 Highway #54, R.R. #2
CALEDONIA, Ontario N3W 2G9

Re: Bruce to Milton Transmission Project

Dear Chief MacNaughton:

Further to our earlier discussions with Brian Doolittle and Paul Williams on this project, Hydro One Networks (Hydro One) would like to inform you about plans to build and operate a new transmission line. The proposed line will travel from the shores of Lake Huron to the Orangeville area and then south to the Town of Milton adjacent to an existing transmission line. We are contacting you because your First Nation may have an interest in this project.

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INFORMATION COPY ONLY
ORIGINAL SIGNED BY

Mike Sheehan
Vice-President, Facilities & Real Estate
Corporate & Regulatory Affairs

Enc.

Cc: Brian Doolittle
Paul Williams

March 28, 2007

Saugeen First Nation
Chief Randall Kahgee Jr.
Fire #6493, R.R. #1, Highway #21
SOUTHAMPTON, Ontario N0H 2L0

Re: Bruce to Milton Transmission Project

Dear Chief Kahgee Jr.:

Further to our earlier discussions on this project, Hydro One Networks (Hydro One) would like to inform you about plans to build and operate a new transmission line. The proposed line will travel from the shores of Lake Huron to the Orangeville area and then south to the Town of Milton adjacent to an existing transmission line. We are contacting you because your First Nation may have an interest in this project.

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The project will require both *Environmental Assessment Act* (EA) and *Ontario Energy Board Act* approvals. Hydro One will undertake the EA and the Ontario Energy Board (OEB) approval processes concurrently in order to meet the earliest in-service date for this line of late 2011. Environmental impacts will be addressed in the EA process.

We are currently starting the first step in the EA which involves the preparation of an EA Terms of Reference. This will outline the information to be considered in the assessment process.

The OEB is responsible for ensuring that construction and operation of the proposed new transmission line is in the public interest. In carrying out this mandate, the OEB must consider the impacts the project may have upon consumers with respect to prices, as well as matters that concern the reliability and quality of electricity service.

At the end of March, Hydro One will file two applications with the OEB. The first application is for the approval to construct and operate the line. The second application requests OEB approval to allow Hydro One employees and representatives access to properties along the proposed line to undertake a limited number of activities (including field and legal surveys, and soil testing) during 2007.

You will have an opportunity to participate in the OEB process and we will be sending you additional information in the coming weeks. As our consultation process continues, we intend to update our OEB application with the input received throughout the review and approval process.

Working with You

We are committed to working closely with you throughout the OEB and Environmental Assessment approvals process to address any concerns you may have about this project. We are committed to engaging you early in the process and keeping you informed directly, as well as through regular project updates online and through regular newsletters (see newsletter attached).

In the meantime, if you have any questions or concerns, please feel free to contact me at (416) 345-6084 and/or Rob Thomson at (905) 946-6249, or visit our website at www.HydroOneNetworks.com/BrucetoMilton.

Sincerely,

INFORMATION COPY ONLY
ORIGINAL SIGNED BY

Mike Sheehan
Vice-President, Facilities & Real Estate
Corporate & Regulatory Affairs

Enc.

Hydro One Networks Inc.

483 Bay Street
6597
North Tower, 13th Floor
Toronto, Ontario, M5G 2P5
www.HydroOneNetworks.com

Tel: (416) 345

Fax: (416) 345 6919

March 29, 2007

RE: Bruce to Milton Transmission Reinforcement Project

Dear :

This letter is to inform you that Hydro One Networks Inc. (Hydro One) has initiated an Environmental Assessment (EA) for proposed transmission facilities required to enhance system efficiency and reliability in Southwestern Ontario.

This project would provide an alignment for delivery of power from two refurbished units at the Bruce Nuclear Power Complex, as well as committed and forecasted power from wind generating units in the Bruce area. The undertaking will reinforce and expand the existing 500 kV right-of-way from the Bruce Nuclear Power Complex along a direct path running approximately 178 km to the Milton Switching Station (see map). The study area crosses the Counties of Bruce, Grey, Dufferin, and Wellington and Regional Municipality of Halton.

This project is subject to the requirements of Ontario's *Environmental Assessment Act* and Regulation 116/01, as an Individual Environmental Assessment (EA) for transmission lines. The EA will examine the potential effects, mitigation measures and range of alternative methods along the Bruce to Milton transmission route. All mitigation and control plan activities will follow Hydro One's Environmental Guidelines for Construction and Maintenance of Transmission Facilities. SENES Consultants Limited, Dillon Consulting Limited and Stantec Consulting Ltd. have been retained to assist Hydro One in preparing the Environmental Assessment Report.

We would like to determine the interest of your group in this proposed undertaking. Please complete and return the Fax Back Form (attached) indicating the appropriate contact person. We would be pleased to arrange a meeting to gather input/feedback and discuss with you the areas of interest and/or concern regarding this project. Shawna Peddle, a Senior Project Manager with Stantec Consulting Ltd. will be in touch with you over the next couple of weeks to discuss your interest and gather relevant information for this project.

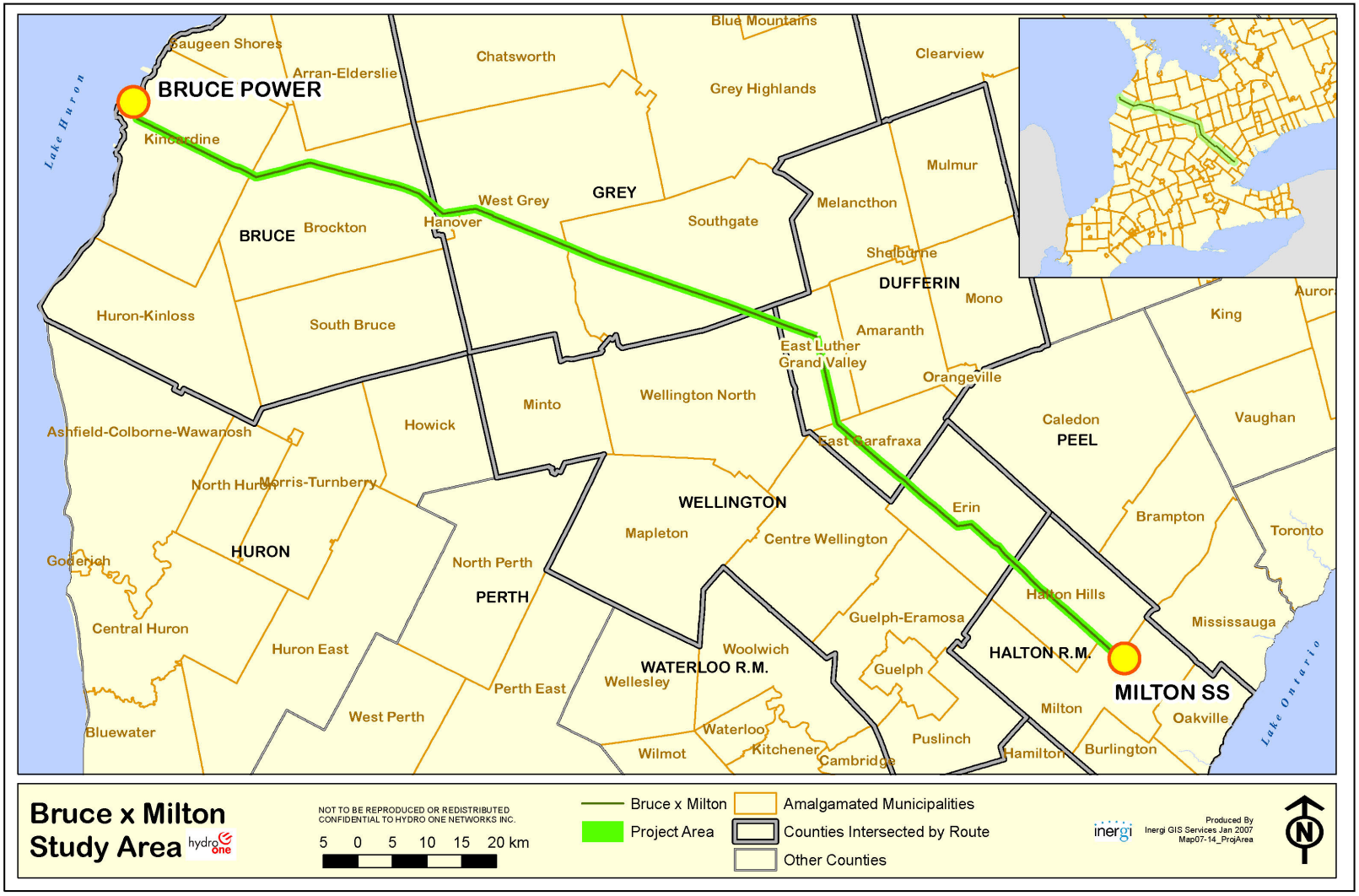
If you have any questions regarding this project please feel free to contact me at (416) 345-6597, or Carol Ann Jessup at (416) 345-5368. Further information can also be found at our website
http://www.hydroonenetworks.com/en/community/projects/transmission/bruce_to_milton/default.asp

Sincerely,

Brian McCormick, Manager
Environmental Services & Approvals

CC:

<Interest Groups contact list>



Bruce x Milton Study Area

hydro one

5 0 5 10 15 20 km

Bruce x Milton
Project Area

Amalgamated Municipalities
Counties Intersected by Route
Other Counties

inergi

Produced By
Inergi GIS Services Jan 2007
Map07-14_ProjArea

N

FAX BACK FORM

To: Carol Ann Jessop, Hydro One Networks Inc. Date: _____

Fax: (416) 345-6919

RE: Bruce to Milton Transmission Reinforcement Project

Contact Name: _____

Position Title: _____

Department: _____

Municipality/Agency: _____

Address: _____

_____

Phone: _____

Fax: _____

Email: _____

Please indicate the appropriate response:

___ We are interested in providing input regarding this study.

___ We are not interested in providing input regarding this study but would like to be kept on Hydro One's mailing list.

___ Please take us off Hydro One's mailing list for this study.

Your areas of interest or concern/preliminary comments:

Please provide the information of additional contact persons. (Attach additional sheets if required.)

Any questions may be directed to Carol Ann Jessop, Environmental Planner, at (416) 345-5368.

news release

Hydro One to invest more than $600 million in Ontario's electricity transmission system; the largest expansion to Ontario's transmission system in 20 years

March 26, 2007 — Today Hydro One announced it will seek the necessary approvals to construct a new double-circuit 500 kilovolt (kV) line on a widened existing transmission corridor between the Bruce Power facility and Hydro One's Milton switching station located in the Town of Milton; the largest expansion to Ontario's transmission system in 20 years.

The news followed an announcement earlier today in which the Ontario Power Authority (OPA) confirmed its preferred option and route for the new line to increase the province's transmission capacity and to allow for greater access to renewable energy and nuclear power from the Bruce region.

In a report released last fall, the OPA in its role to ensure an adequate, long-term supply of electricity for Ontario, identified the need and rationale for the new line to provide transmission capability to reliably transmit power from approximately 1,700 MW of new renewable generation identified in the region, as well as power from refurbished units at the Bruce Power facility.

The proposed 180-kilometre, 500 kV transmission line, Ontario's newest clean energy corridor, is planned to be in-service by December 2011. The *Bruce to Milton* project is the second clean, renewable transmission investment announced in recent months and represents an approximate investment of over $600 million in Ontario's transmission system.

The project is subject to both the Environmental Assessment (EA) Act and Ontario Energy Board (OEB) approvals. The company will initiate the EA process and will file a Section 92 (leave to construct) application with the OEB simultaneously to meet the service date for the line. Hydro One is committed to open consultation throughout the required approvals process.

Provincial land use policy requires that existing transmission corridors be utilized to the extent possible for new transmission lines. As such, Hydro One proposes widening the existing 500 kV corridor and constructing the new line along the north and east side of the widened existing corridor, to avoid the need to establish a new right-of-way. Rights to an additional 53-61 metres (175-200 feet) of land adjacent to the existing corridor will be required. Widening the transmission corridor makes it necessary for Hydro One to obtain additional easement rights and, in a limited number of cases, purchase properties.

“Ontarians expect reliable and cost-effective power and a transmission system that provides it to their homes, schools, farms and businesses. Our investment announced today meets this need,” said Laura Formusa, President and CEO, Hydro One (Acting). “This project is important to secure Ontario’s clean and renewable energy future. We are sensitive to concerns of property owners, Aboriginal communities, local municipalities and stakeholders impacted by the project and will work to ensure that we manage their concerns in a manner that is fair and responsible.”

Hydro One delivers electricity safely, reliably and responsibly to homes and businesses across the province of Ontario and owns and operates Ontario's 29,000 kilometre high-voltage transmission network that delivers electricity to large industrial customers and municipal utilities, and a 122,000 kilometre low-voltage distribution system that serves about 1.3 million end-use customers and smaller municipal utilities in the province. Hydro One is wholly owned by the Province of Ontario.

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For more information and to make arrangements for photography, contact Hydro One Media Relations 24 hours a day at 1-877-506-7584 (toll-free in Ontario only) or 416-345-6868. Our web site is www.HydroOne.com.

Ontario Power Authority

NEWS RELEASE

For immediate release

Ontario Power Authority Recommends Moving Forward on Power Corridor

Bruce to Milton Transmission Line Key to Ontario's Long Term Power Planning

Toronto, March 26, 2007—In a letter to Hydro One, the Ontario Power Authority (OPA) has recommended commencement of the planning and approvals process required to build a new 500 kilovolt transmission line to deliver renewable and nuclear power from the Bruce region to Ontario's electricity consumers.

The OPA has indicated the optimal route for the new line is adjacent to an existing transmission line from the Bruce Power facility to the Milton switching station, a distance of approximately 180 kilometers. In keeping with provincial land use policy, the preferred route follows an existing right of way. With this route, the system will accommodate 1,000 MW more power than the next best alternative.

The existing transmission line has the capability to transmit enough generation from the Bruce area to Ontario's electricity consumers to meet today's needs. The new line will provide transmission capability to reliably and safely deliver an additional 3,000 MW of generation capacity.

Bruce Power is returning to service two nuclear units by 2009. These units have been out of service since the mid 1990s. Approximately 700 MW of wind development projects have also been identified in the Bruce area to date, with another 1,000 megawatts of future renewable energy potential in the region.

The OPA's analysis looked at various options to increase the capacity of the electricity transmission system in southwestern Ontario to meet this need. The final recommendation considers technical requirements, total system capacity, provincial land use policy and the overall cost to Ontario electricity consumers.

In December, 2006, the OPA called on Hydro One, working with the Independent Electricity System Operator and Bruce Power, to institute interim measures by 2009 to maximize the capability of the existing system to the extent possible until the new line is in service.

About the OPA

In pursuit of its mandate of ensuring an adequate, long-term supply of electricity for Ontario, the OPA creates and implements conservation and demand management programs, ensures adequate investment in new supply infrastructure, performs long-term electricity system planning, and facilitates the development of a more sustainable and competitive electricity system.

-30-

Media Contact:
Tim Taylor
Ontario Power Authority
416-969-6353

APPENDIX C

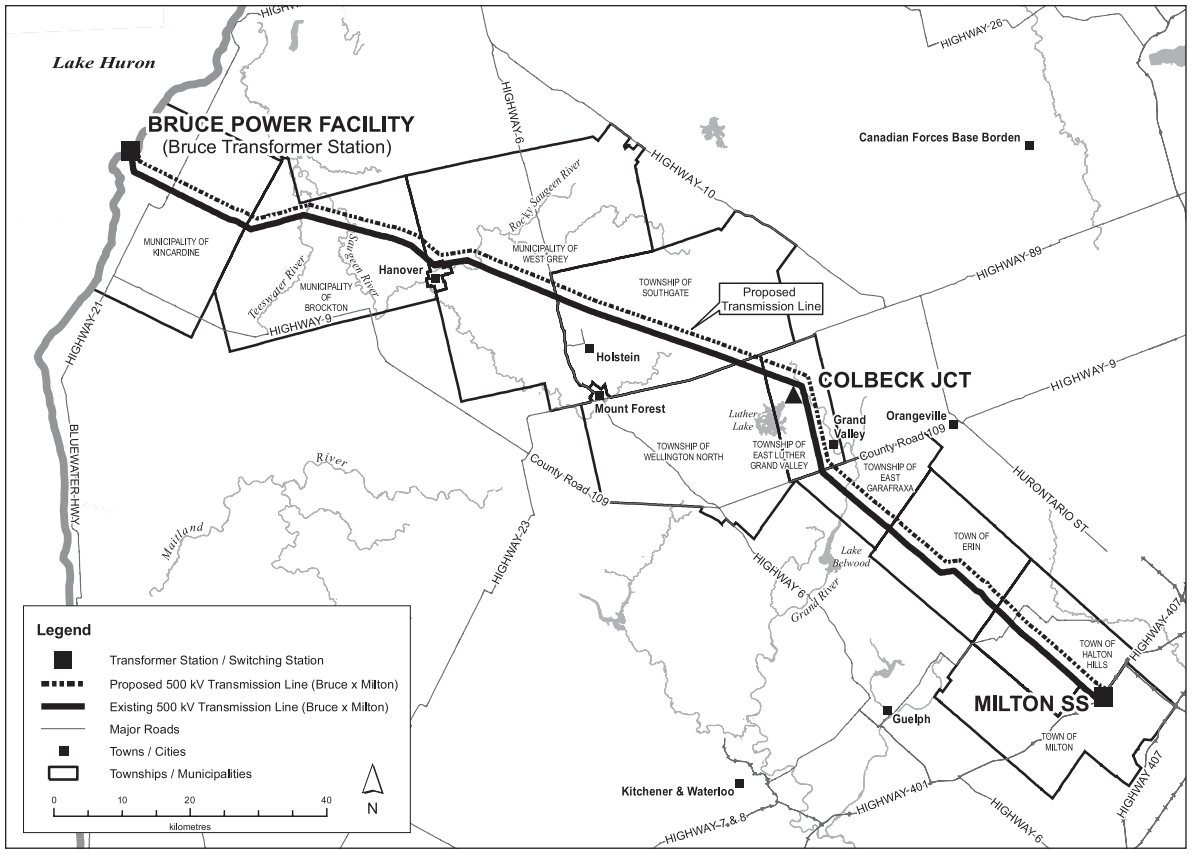
Notice of Commencement of ToR

NOTIFICATION

Commencement of the Environmental Assessment of the Bruce to Milton Transmission Reinforcement Project

Terms of Reference

ONTARIO'S NEW CLEAN ENERGY CORRIDOR



The Environmental Assessment Process

The Bruce to Milton Transmission Reinforcement Project EA is being undertaken in accordance with the Act. The first step in the process is the preparation of a Terms of Reference. If approved, the Terms of Reference will provide the framework for the preparation of the environmental assessment. The Terms of Reference will set out Hydro One's work plan for addressing the requirements of the Act when completing the environmental assessment.

Consultation

Members of the public, property owners, stakeholder groups, First Nations and Metis groups, government agencies and other interested persons are encouraged to actively participate in the planning process including the development of the Terms of Reference by attending consultation opportunities or contacting staff directly with comments or questions. Consultation opportunities are planned throughout the planning process.
A first round of Public Information Centres (PICs) will be held in communities along the proposed transmission line to provide information about the project and the approvals processes, and to obtain input from residents, farmers, business owners and other interested stakeholders in the area. We will also be seeking input from First Nations and Metis groups through a separate engagement process. We encourage you to attend one of the PICs, where you will have the opportunity to learn more about the project, provide your input, and discuss any issues or concerns with our project team.

Hydro One Networks Inc. ("Hydro One") has initiated a Project under Ontario's *Environmental Assessment Act* (the "*Act*") to build an approximately 180 kilometre double circuit 500,000 volt (500 kV) transmission line on a widened existing transmission corridor connecting the Bruce Power facility ("Bruce") in Kincardine to Hydro One's switching station in Milton ("Milton").

The Bruce to Milton line will provide the capability to reliably and safely transmit approximately 3000 additional megawatts of electricity from the Bruce area to southern Ontario and support the Province's climate change and clean air initiatives. The Province's newest clean energy corridor will deliver emission-free power from new wind generation, and the refurbished Bruce Power nuclear units. The earliest in-service date for the new line is the end of 2011.

The Ontario Power Authority (OPA), the provincial agency responsible for developing a long-term Integrated Power System Plan (IPSP) for the Province, has determined the need for this transmission line, the timing and the preferred route. The OPA's analysis looked at various options to increase the capacity of the electricity transmission system in southwestern Ontario. Its final recommendation considers the technical requirements, total system capacity, provincial land use policy and the overall cost to Ontario electricity consumers.

The OPA has recommended that Hydro One begin the approvals process required to build the new 500 kV line from Bruce to Milton. The new line is expected to be located immediately adjacent to the existing transmission line on a widened corridor. Additional easement interests of approximately 53 m to 61 m (175 – 200 feet) in width adjacent to the existing corridor will be required as shown on the study area map. In a limited number of cases, property purchases will be required where homes or buildings occupy the widened corridor.

Please be advised that any of your personal information contained in your submission will become part of the public record files for this matter and may be released, if requested, to any person unless your submission states that you do not consent to your personal information becoming part of the public record files and disclosed to any person upon request.

For further information visit www.HydroOneNetworks.com/BrucetoMilton

Public Information Centres

Monday, April 30, 4 – 8 p.m.
Best Western Governor's Inn
791 Durham Street, Kincardine

Tuesday, May 1, 4 – 8 p.m.
Hanover Regional Aquatic Centre, Auditorium
269 7th Avenue, Hanover

Wednesday, May 2, 4 – 8 p.m.
Egremont Optimist Centre
392137 Concession 2, Holstein

Thursday, May 3, 4 – 8 p.m.
Marsville Community Hall
191282 13th Line, Marsville

Monday, May 7, 4 – 8 p.m.
Grand Valley and District Community Centre
Grand River Room
90 Main Street North, Grand Valley

Tuesday, May 8, 4 – 8 p.m.
Erin Community Centre/Erin Centre 2000
Shamrock Room
14 Boland Drive, Erin

Wednesday, May 9, 4 – 8 p.m.
Royal Canadian Legion – Branch 197
15 Wright Avenue, Acton

If you wish to be added to the project mailing list or would like further information about the project, and any future public meetings, contact:

Carrie-Lynn Ognibene
Hydro One Networks Inc.
Tel: 1-877-345-6799 (locally 416-345-6799)
Fax: (416) 345-6984
Email: Community.Relations@HydroOne.com
Website: www.HydroOneNetworks.com/BrucetoMilton

For more information about the Ontario Power Authority and the need for the new transmission line, visit **www.powerauthority.on.ca**.

hydro one

Bringing Power to the People of Ontario™

APPENDIX D

1st Newsletter

March 2007 • Issue 1

Bruce to Milton Connection

ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Hydro One's Role

Hydro One Networks is responsible for delivering electricity safely, reliably and responsibly to homes and businesses in the Province. We own and operate Ontario's 29,000 kilometre high-voltage transmission network, and our job also includes building new transmission facilities.

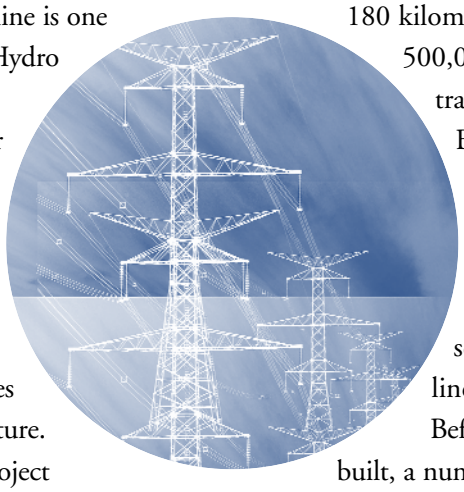
What is the OPA?

The Ontario Power Authority (OPA) was established by the Government of Ontario in 2004. Its role is to develop a long-term integrated power system plan (IPSP) for the Province.

INSIDE

Hydro One Announces Start of Bruce to Milton Transmission Reinforcement Project

Welcome to our *Bruce to Milton* newsletter, the first in a series that will be used by Hydro One to keep you informed about our newest transmission project. The Bruce to Milton transmission line is one of several projects that Hydro One is undertaking to meet Ontario's needs for the 21st century. As our population and economy continue to grow, we need to ensure we have the power to light our homes and businesses in the future. The Bruce to Milton Project supports the Province's climate change and clean air initiatives by providing transmission capability to reliably and safely deliver an additional 3,000 megawatts (MW) of energy from clean and renewable sources – enough power for Milton, London, Guelph, Chatham, Mississauga, Brampton, Hamilton and St. Catharines, combined.



The Ontario Power Authority (OPA) has recommended Hydro One begin the approvals process required to build the new transmission line that would deliver power from clean renewable and nuclear sources in the Bruce area to Ontario's electricity consumers. To provide the necessary transmission capability, Hydro One is proposing to build a new 180 kilometre double-circuit 500,000 volt (500 kV) transmission line from the Bruce Power facility in Kincardine to Hydro One's Milton Switching Station in the Town of Milton. The earliest in-service date for the new line is the end of 2011. Before this project can be built, a number of approvals are required, including Ontario Energy Board (OEB) and Environmental Assessment (EA) approvals.

This is an exciting time in the development of Ontario's transmission infrastructure. As we move forward on the clean energy corridor, Hydro One is committed to working with residents, businesses, Aboriginal groups and the communities we serve in an open, fair and transparent manner, providing consultation opportunities throughout the process to ensure we continue to deliver reliable and affordable electricity across Ontario.

hydro one

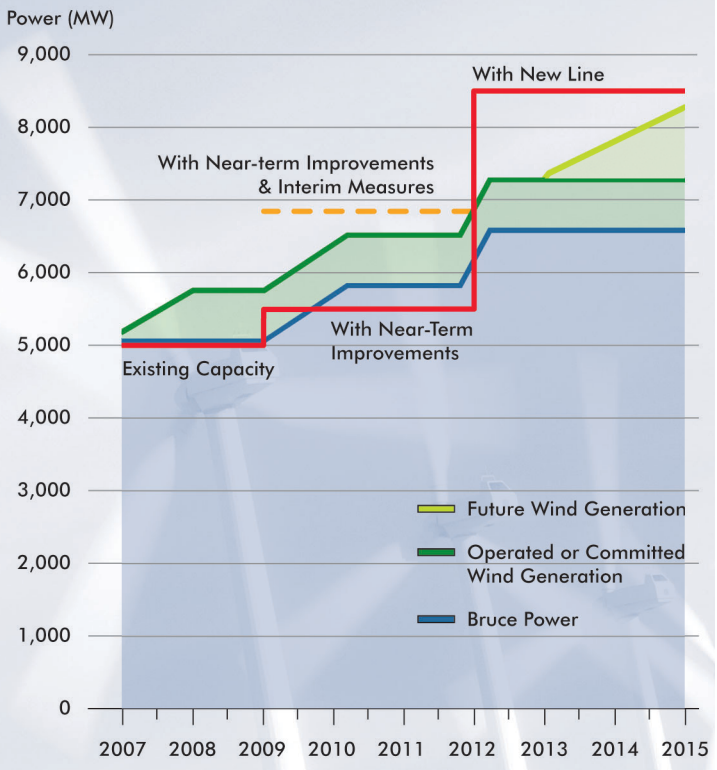
Need for New Transmission Capacity

The transmission system currently has the capability to transmit approximately 5,000 MW of generation from the Bruce area to Ontario electricity consumers, just enough to meet today's needs.

Bruce Power is returning to service two nuclear units (about 1,500 MW) by 2009. These units have been out of service since the mid 1990s. Approximately 700 MW of wind development projects have also been identified in the Bruce area to date, with another 1,000 MW of future potential.

The OPA has determined the need and timing for this new transmission line to ensure this increased generation can be reliably transmitted to Ontario electricity consumers. Following a detailed analysis and review, the OPA has concluded that a new transmission line that parallels the existing line from the Bruce Power facility to Hydro One's Milton Switching Station is required.

Bruce Area Available Generation



Source: OPA Discussion Paper

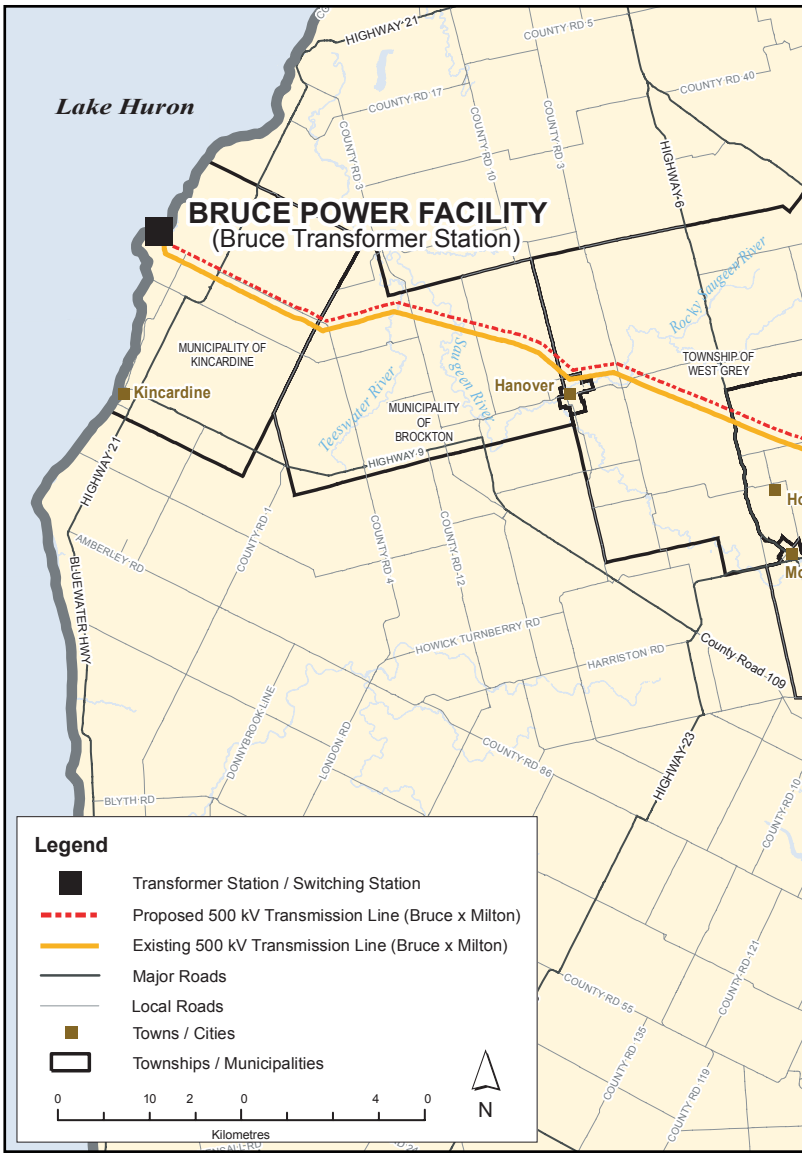


Figure 1: Bruce to Milton Transmission Route

A Safe, Reliable, and Cost-efficient Option

Along with meeting the technical need to deliver the additional power, making best use of existing infrastructure was a critical factor in the OPA's determination of the Bruce to Milton route. The use of existing transmission corridors before the development of new ones is consistent with the Province's land use policy.

The need and rationale for a new transmission line is discussed in more detail in the OPA's Transmission Discussion Paper #5 and Discussion Paper #7, which can be downloaded from **www.powerauthority.on.ca** and will be available at public information centres in the weeks to come.

Building a New Transmission Line

The proposed transmission line will require the widening of the existing corridor from Bruce to Milton by approximately 53m - 61m (175 - 200 ft). Following an environmental and technical review and analysis of the corridor, a preferred alignment was determined along the north side of the corridor from Bruce to Colbeck Junction (Jct.) and along the east side from Colbeck Jct. to Milton (see Figure 1).

Seeking Approvals

Prior to constructing new transmission facilities, Hydro One must seek and obtain OEB and Environmental Assessment approvals. Hydro One is proceeding concurrently through the OEB and EA processes, to ensure that electricity from future wind and nuclear sources can be delivered to Ontario electricity consumers by late 2011. Both of these approval processes include opportunities for you to participate and provide your input to the decision-making process.

Near and Interim Measures

In addition to building the 500 kV transmission line, the OPA has also recommended near-term and interim measures to increase the carrying capacity of the existing transmission system in the Bruce area by 2009 until the new line is placed in-service in late 2011.

- Increasing the capability of a section of the existing 230 kV line between Hanover Transformer Station (TS) and Orangeville TS
- Installing voltage support facilities at existing Hydro One stations in the western GTA and southwestern Ontario

These activities do not involve EA or OEB approvals.

Ontario Energy Board

The OEB regulates Ontario's natural gas and electricity industries. The OEB is responsible for ensuring construction and operation of proposed transmission facilities are in the public interest. In carrying out this mandate, the OEB considers the impacts that the project may have upon consumers with respect to prices, as well as matters that concern the reliability and quality of electricity service. When the OEB receives an application, it reviews the material, makes the information public and provides an opportunity for stakeholder and Aboriginal input.

In March 2007, Hydro One filed two applications with the OEB related to the Bruce to Milton Project:

- Leave to Construct (section 92 of the *OEB Act*)
- Early access to land (section 98 (1.1) of the *OEB Act*)

Early Access to Land

Early access would allow Hydro One employees and representatives to access properties along the proposed line to undertake a limited number of activities (including field and legal surveys and soil testing) during 2007. If you are an affected property owner, Hydro One will communicate with you before entering onto your land.

Environmental Assessment Act

This project is subject to the requirements of the *Environmental Assessment Act (*EA), and an Individual Environmental Assessment will be completed.

There are four key phases of the EA process:

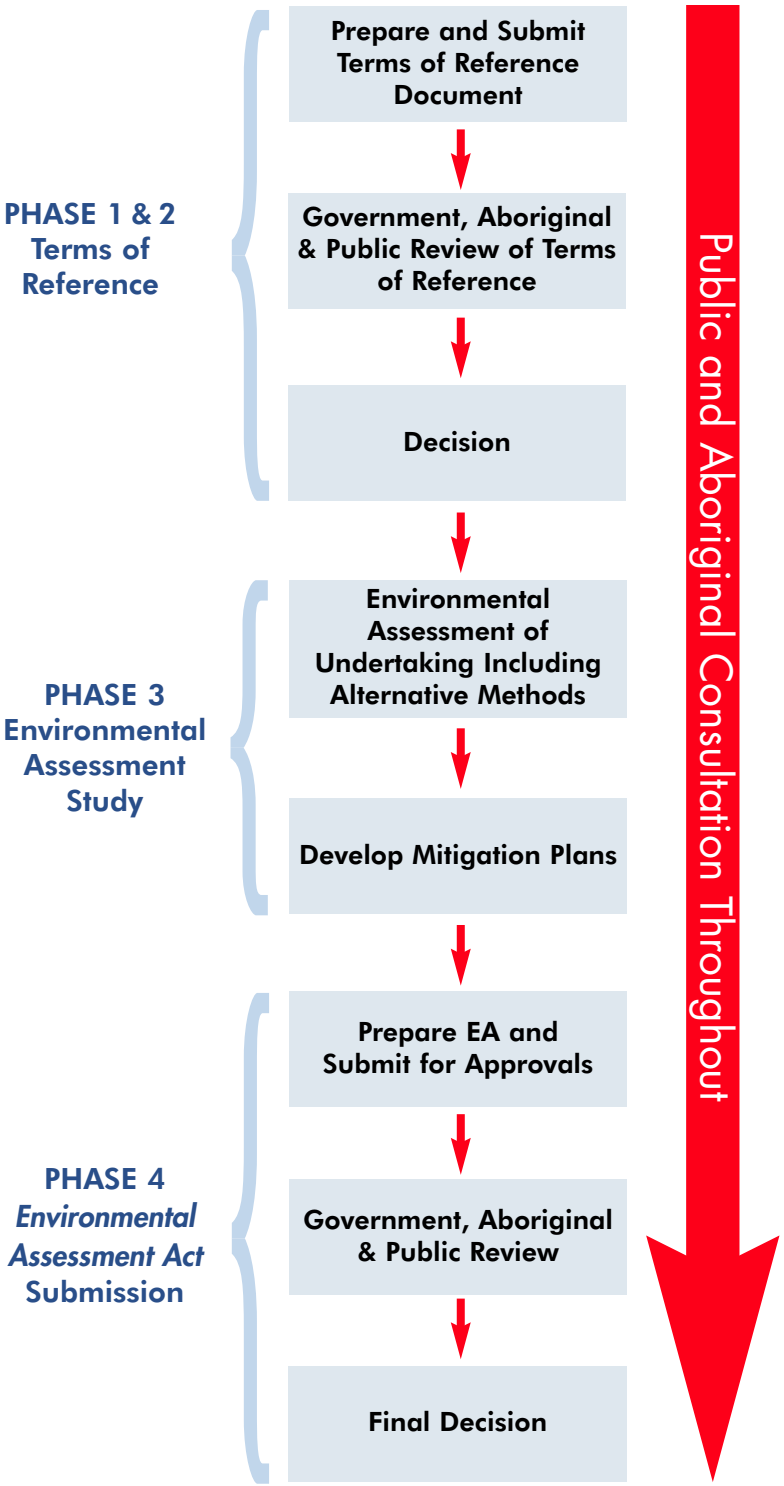
1. EA Terms of Reference Preparation
2. EA Terms of Reference Review and Approval
3. EA Study Preparation
4. EA Study Review and Approval

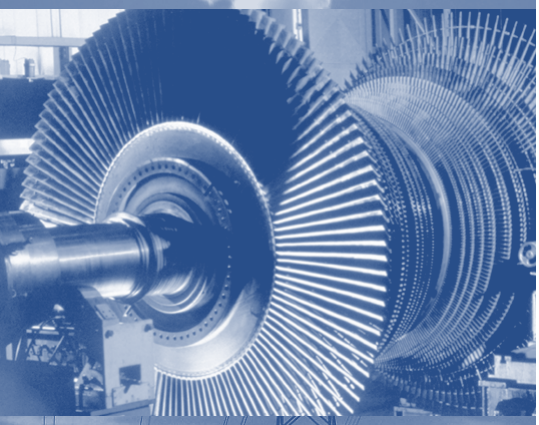
A Terms of Reference establishes the framework for the preparation and review of the EA. It outlines how the EA will be conducted and helps ensure that the public, Aboriginal peoples and government agencies know what will be considered. The Terms of Reference is subject to approval by the Minister of the Environment.

We are currently at the beginning of Phase 1 of the EA process: the preparation of the EA Terms of Reference. Public and Aboriginal input will be collected during the development of the Terms of Reference. The MOE will also initiate a formal public and agency comment period on the Terms of Reference once it is submitted.

This EA Study will focus on the transmission route from Bruce to Milton. It will consider design alternatives (e.g., tower types and locations on the corridor and access route locations), measures to avoid and minimize effects and identify advantages, disadvantages, and net effects of the project.

Overview of Environmental Assessment Process





Land Matters

The Bruce to Milton project requires a widening of the existing corridor by approximately 53m - 61m. The widening will make it necessary for Hydro One to obtain additional land rights, starting with discussions with property owners. In parallel with these discussions, Hydro One will also prepare to expropriate easements, and in a limited number of cases purchase property for the widened corridor to meet the project schedule. Payment for expropriated lands will be based on market value. Hydro One plans to install the new towers in line with the existing ones to minimize visual impacts, subject to any environmental and technical constraints.

We appreciate that acquiring property rights can be inconvenient and disruptive to owners. Hydro One will deal with every affected land owner in a fair, open and consistent manner. In summer 2007, a Hydro One property agent will be contacting directly affected property owners to discuss the land acquisition process and answer questions about the project. In the meantime, you can contact us toll free at **1-877-345-6799** or at **community.relations@HydroOne.com**.

Project Considerations

When planning and building new transmission lines, Hydro One considers many factors including:

- Location of access roads
- Pre-construction field work
- Tower design
- Vegetation removal and reforestation
- Local economic effects and benefits

Hydro One has compiled a list of Frequently Asked Questions and a set of Fact Sheets addressing many of these concerns and has developed mitigation guidelines to minimize potential effects. These are available online at **www.HydroOneNetworks.com/BrucetoMilton** and at our public information centres.

Hydro One delivers electricity safely, reliably and responsibly to homes and businesses across the province of Ontario and owns and operates Ontario's 29,000 kilometre high-voltage transmission network that delivers electricity to large industrial customers and municipal utilities, and a 122,000 kilometre low-voltage distribution system that serves about 1.3 million end-use customers and smaller municipal utilities in the province. Hydro One is wholly owned by the Province of Ontario.

Keeping you Informed

Your input is very important to us, and there are many ways you can be involved in both the OEB and EA processes. You can call, write, or email at any time to voice your concerns (see contact information below), show your support, or be added to the mailing list. We will also be sending you further updates via newsletter as the project moves forward. We also encourage you to attend one of our public information centres (PICs) to learn more about the project and talk personally with Hydro One and OPA staff. The first series of PICs will take place in late April and early May.

Project Timeline

File OEB Application	March 2007
Aboriginal Consultation	March 2007 – Fall 2008
Initiate EA Terms of Reference development	March 2007
Public Information Centres	April / May 2007
Anticipated EA Terms of Reference and OEB approval	Fall 2007
Continue EA, other approvals	Fall 2007 – Fall 2008
Obtain EA and other approvals	Fall 2008
Begin project construction	Fall 2008
Planned project in-service	Fall 2011

Public Information Centre Schedule

April 30	May 1	May 2	May 3	May 7	May 8	May 9
Best Western Governor's Inn	Aquatic Centre Auditorium	Egremont Optimist Centre	Community Hall	Community Centre Grand River Room	Community Centre Shamrock Room	Royal Canadian Legion
Kincardine	Hanover	Holstein	Marsville	Grand Valley	Erin	Acton
4 - 8 pm	4 - 8 pm	4 - 8 pm	4 - 8 pm	4 - 8 pm	4 - 8 pm	4 - 8 pm

Bruce to Milton Connection

Your input is very important to us, and there are many ways you can reach us. If you would like more information about this project and want to be included on the project mailing list, please contact:

Enza Cancilla
Manager, Public Affairs
Corporate Communications
Hydro One Networks Inc.
Fax: (416) 345-6984
Email: **community.relations@HydroOne.com**

Visit our project website at:
www.HydroOneNetworks.com/BrucetoMilton

Call the project hotline at:
1-877-345-6799
(or 416-345-6799)

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Bringing Power to the People of Ontario™

APPENDIX E

PIC Displays and Handouts

Stay informed

The OPA has committed to an open and transparent planning process so that Ontarians can help us to ensure that the province has a reliable, sustainable and affordable supply of electricity in the future.

Stakeholder dialogue is an important part of this process, and consultations and public participation sessions have been held across the province. In addition, up-to-date information on planning developments is available on the OPA Web site.

For more detailed information, please visit www.powerauthority.on.ca.

OPA
Ontario Power Authority

www.powerauthority.on.ca

OPA
Ontario Power Authority

Transmission

Connecting You
Connecting Ontario

Providing access to electricity for new and growing communities and enabling the development of renewable energy resources

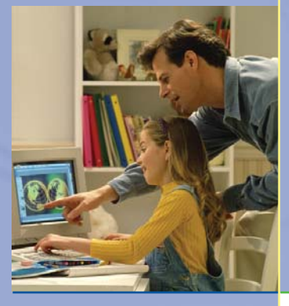
www.powerauthority.on.ca

Who We Are and What We Do

We are the Ontario Power Authority (OPA), established by the Government of Ontario in 2004.

Our role is to ensure a long-term supply of electricity for the province by:

- leading and coordinating electricity conservation initiatives across the province
- ensuring that investment in needed new electricity supply resources occurs
- preparing a comprehensive, long-term power system plan
- facilitating a commercial structure for the industry that over time will transfer financial risk from Ontario's electricity ratepayers to willing investors.



The OPA has begun the planning process that will ensure Ontario has enough electricity to meet future needs.

An Integrated Power System Plan, outlining those needs, will go to the Ontario Energy Board in 2007.

Critical to the success of the plan is the strengthening of our transmission lines and the construction of new facilities.

www.powerauthority.on.ca

Transmission is the pipeline of any electricity system

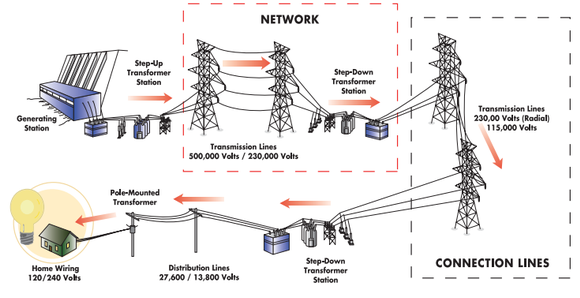
It is how electricity gets from where it is made to where it is needed.

Distribution lines, rather than transmission lines, deliver electricity to homes and businesses. These are operated by local utilities across the province and are lower in voltage.

Ontario's transmission system is a vast network spanning large geographic areas that move electricity across great distances from generating stations.

This is how it works:

- Electricity produced at a generating station is increased or "stepped-up" by nearby transformers to high voltages so it can be moved long distances over transmission lines.
- The voltage is then decreased or "stepped down" at transformer stations for supply to regional subsystems that connect large customers or distributors.
- Power is "stepped down" again to distribution voltages and carried to points where it is "stepped down" one more time to supply local residential, schools, commercial and smaller industrial customers.



Why the Bruce Peninsula and why now?

Generation stations in the Bruce Peninsula are a major supplier of the province's electricity. But transmission capacity in the area is stretched to its limit.

The area will require more transmission capability as additional generating capacity comes onto the system from the refurbishing of units at the Bruce nuclear station and from planned wind developments in the area.

In 2009, two units at Bruce nuclear generating station will come online after being refurbished, increasing generating capacity from that facility by a total of 1,500 megawatts by 2012.

Also, over the next few years, planned wind power projects are expected to add 725 megawatts to the system, with the potential for a further 1,000 megawatts.

Today's transmission system has to be upgraded.

Currently the transmission system in Bruce consists of:

- one double-circuit 500,000 volt line from the Bruce nuclear generating station to the Milton station, west of Toronto;
- one double-circuit 500,000 volt line from the Bruce nuclear generating station to the Longwood station, west of London;
- three double-circuit 230,000 volt lines from the Bruce nuclear generating station to stations in the Kitchener, Orangeville and Owen Sound areas.

The system from the Bruce Peninsula has the capability to transmit between 4,700 megawatts and 5,000 megawatts of generation.

The plan for addressing this need is to build a new 500,000 volt transmission line from Bruce to Milton. Other short-term and interm measures are also planned to ensure reliable service until the new line is in place.

Q's & A's

Bruce transmission

When is the additional transmission capacity needed for the Bruce area?

New transmission capacity will be needed after 2009 when the first of the units being refurbished at the Bruce nuclear generating station will be brought back into service.

Are there other areas of the province that also needed additional transmission capacity?

Yes. The OPA is working with transmitters to reinforce transmission capacity throughout the province where it is needed. For example, Northern Ontario will also require additional transmission capacity to be able to transfer power from it is produced to where it is needed.

What solutions are being developed for the Bruce area?

The overall plan for increasing transmission capacity from the Bruce area includes:

- building a new 500,000 volt transmission line from Bruce to Toronto, terminating at the Milton station
- implementing near-term reinforcements such as upgrading the 230,000 volt line system and providing voltage support facilities
- providing interim measures to minimize transmission congestion until new transmission lines are built.

How much will the Bruce area transmission upgrades cost?

The new transmission line is estimated to cost about $635 million. The near-term reinforcements being considered are estimated at about $25 million. The proposed interim measures will cost between $10 million and $100 million.

Who is going to pay for this?

The needed upgrades and new lines are considered network improvements for the benefit of all Ontario consumers. Transmission companies make the necessary investments to improve their network, and these costs are recovered through charges on customers' electricity bills.

If a new line has to be built, where will it go?

Most likely, the new line would be built along a widened existing Bruce-to-Milton right-of-way.

What will happen if the transmission capacity in not available on time?

Interim measures are currently being planned to maximize the capacity of the existing transmission system until the new line is in service. Those measures are acceptable as a short-term solution but not as a substitute for the new transmission line.

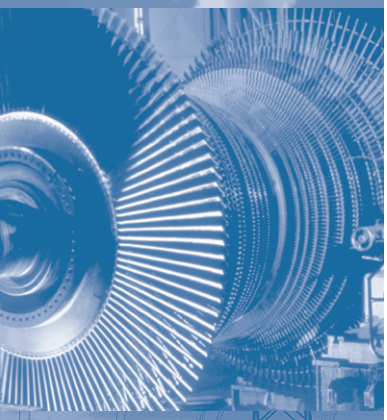
What is the environmental impact of what you are proposing?

The land-use and other environmental impacts are not yet fully identified. They will be determined during the environmental assessment process and mitigation measures identified.

If we conserve more electricity, do we still need more transmission lines?

In planning Ontario's electricity system, the impact of conservation was the first resource considered. However, even with the anticipated conservation measures, new resources and transmission lines are required in some areas of the province for two main reasons: first, the demand for electricity is expected to continue to grow because of population and economic growth; and, second; because a significant amount of generation in the province is to be retired.

The growth in demand and changes in the supply mix will require new transmission in some cases. In the Bruce area, the required transmission capacity is to accommodate renewable and emission-free generation that is already committed to be brought online to meet the needs of Ontario consumers.



Bruce to Milton

Transmission Reinforcement Project

The Environmental Assessment Act

Environmental Assessment (EA) is a decision-making process used to promote good environmental planning by assessing the potential effects of certain activities on the environment. In Ontario, this process is defined and finds its authority in the *Environmental Assessment Act* and its associated regulations. The EA Act ensures that environmental problems or opportunities are considered, and their effects are planned for, before development or building takes place. Under the EA Act, the definition of "environment" is not limited to the natural environment but includes social, cultural, and economic elements.

Electricity Projects and the EA Act

Electricity projects in Ontario are subject to Ontario Regulation 116/01 under the EA Act. This regulation states that a transmission line that will transmit 500 kV or more of electricity, and is greater than 2 kilometres long is subject to the requirements of an Individual EA. The Bruce to Milton Transmission Reinforcement Project proposes the construction of a 500 kV double-circuit line approximately 180 km long and is therefore subject to an Individual EA.

Individual EA Process

An Individual EA requires that the proponent develop an EA Terms of Reference (ToR) and submit it to the Ministry of Environment (MOE) for approval. Once approved, the second phase of the EA process, the EA Study, can begin. Once submitted, the third phase, Review, commences. The final phase is the Minister's Decision.

According to the Ontario EA Act, "environment" means,

- Air, land or water,
- Plant and animal life, including human life,
- The social, economic and cultural conditions that influence the life of humans or a community,
- Any building, structure, machine or other device or thing made by humans,
- Any solid, liquid, gas, odour, heat, sound, vibration or radiation resulting directly or indirectly from human activities, or
- Any part or combination of the foregoing and the interrelationships between any two or more of them in or of Ontario.

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Phase 1 and 2 – Terms of Reference

A Terms of Reference (ToR) establishes the framework for the preparation and review of the EA. It outlines how the study will be conducted and helps ensure that the public, Aboriginal people and government agencies know what will be considered in the EA. The EA Act and associated regulations and guidelines specify the contents of the ToR and EA. A proponent can choose to tailor the EA to reflect decisions made by other authorities that shape the project. In the case of the Bruce to Milton Transmission Reinforcement Project, decisions by the Ontario Power Authority (OPA) have significantly shaped the project by defining purpose and rationale and assessing alternative strategies, resulting in the identification of a recommended route alignment.

Given this context, the Bruce to Milton Transmission Reinforcement Project ToR will propose a focused EA process relying on the OPA mandate, documentation and recommendations to satisfy some generic EA elements (i.e. purpose and rationale for the project as well as an analysis of alternatives to the project and alternative routes.)

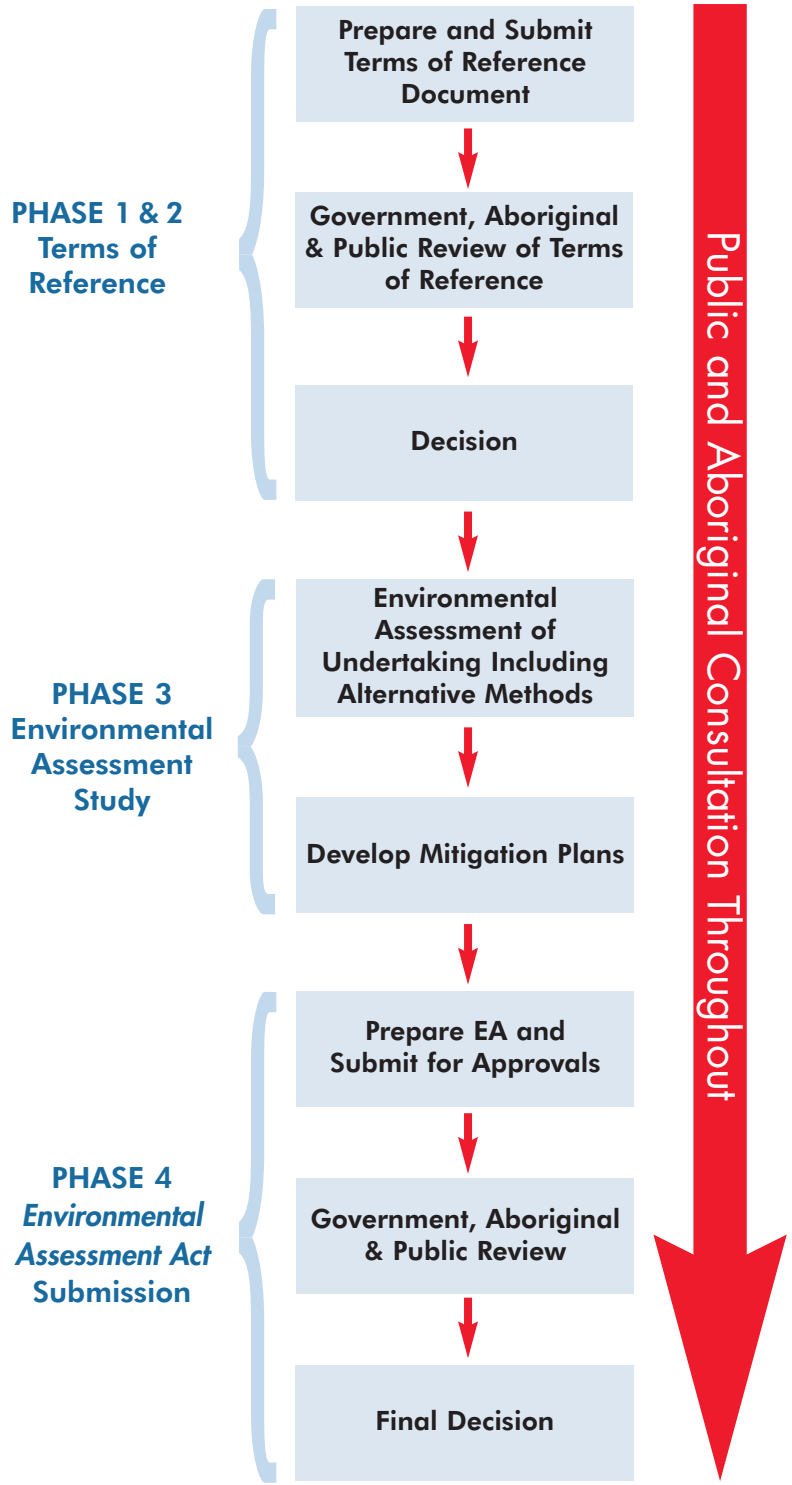
Meaningful consultation during the EA process provides opportunities for two-way communication with interested stakeholders and Aboriginal people.

Public consultation can assist in identification of potential issues and solutions early in the planning process. Input from interested stakeholders ensures that all pertinent information is considered in the decision making process (the EA).

The proponent, Hydro One, must give public notice at the commencement of the ToR. The proponent also must consult with the public and document the results of the consultation during the development of the ToR. Upon submission of the ToR, public notice must once again be given. After submission, the MOE begins its own 30-day consultation process, during which time the public and other interested stakeholders may review and comment on the submitted ToR.

Once the ToR is approved, the EA process will proceed in accordance with the ToR.

Overview of Environmental Assessment Process



Phase 3 – Environmental Assessment Study

The EA Study will focus on identifying potential effects, potential net effects, and potential mitigation along the route, including, but not limited to the following:

- line span length
- tower height
- diversion around sensitive features
- alignment of access roads (temporary and permanent)
- timing of construction
- final route configuration

The proponent is again responsible for consulting with the public, stakeholders and Aboriginal people during the EA Study. Public notice must be given at the commencement of the EA Study. During the EA study, Hydro One may seek public input on the preferred design and mitigation, and other concerns.

Phase 4 – Review

Upon completion of the EA Study, Hydro One will issue a Notice of EA Submission and submit the document to the MOE. The Environmental Assessment Approvals Branch then coordinates a review of the EA document and solicits comments from potentially affected stakeholders over a seven-week comment period. The MOE reviews the EA and identifies any shortcomings, whether the EA fulfills the requirements of the EA Act and whether the EA was conducted in accordance with the approved ToR. The public, other stakeholders and Aboriginal people may again comment on the proposed undertaking, the EA, and MOE's review of the EA.

Phase 4 – Decision

At the end of the final comment period, the Minister of the Environment may decide to:

- refer all or part of the matter to the Environmental Review Tribunal for a hearing, or to another tribunal for a decision
- refer the EA or a particular issue to mediation (this may happen at any time during EA process)
- approve the proposed undertaking with appropriate conditions, or
- refuse to give approval to proceed with the proposed undertaking

Looking for More Information?

More information can be found on the Ministry of Environment's website at **www.ene.gov.on.ca**.

- For general information on the EA process and ongoing improvements to the process, visit **www.ene.gov.on.ca/envision/ea/index.htm**
- For further information on the EA process and other environmental approvals, visit **www.ene.gov.on.ca/cons/index.htm#EA**
- For detailed draft Codes of Practice on preparing a Terms of Reference and Consultation, follow the links at **www.ene.gov.on.ca/envision/env_reg/ea/english/index.htm**

Keeping You Informed

Your input is very important to us, and there are many ways you can reach us. If you would like more information about this project and want to be included on the project mailing list, please contact:

Enza Cancilla
Manager, Public Affairs
Corporate Communications
Hydro One Networks Inc.
Fax: (416) 345-6984
Email: **community.relations@HydroOne.com**

Visit our project website at:
www.HydroOneNetworks.com/BrucetoMilton

Call the project hotline at:
1-877-345-6799
(or 416-345-6799)

Bruce to Milton

Transmission Reinforcement Project

GUIDE TO PANELS

Panels positioned around the room provide information on the following topics:

Background

- Project Description
- Ontario Electricity Industry Structure
- Why Ontario Needs this Project
- Maximizing the Existing Electricity System

Current Conditions

- Reference Route
- Key Facts and Figures
- Natural and Socio-Economic Data
- Natural, Socio-Economic, Agricultural Environment

Approval Processes

- Approvals Required
- Ontario Energy Board
- Environmental Assessment (EA)

Key Issues

- Land Matters
- Hydro One's Environmental Practices
- Right-of-Way Cross Sections
- Electric and Magnetic Fields (EMFs)

Environmental Assessment Terms of Reference

- Draft Contents of the Terms of Reference
- Next Steps

Please also take time to review the maps with members of our project team.

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Bringing Power to the People of Ontario™

Bruce to Milton Transmission Reinforcement Project

ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Public Information Centres
April 30 – May 9, 2007

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ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Welcome

- Thank you for attending the Bruce to Milton Transmission Reinforcement Public Information Centre
- Please sign-in and complete a comment form
- Take your time, review all displays, and enjoy some refreshments
- Project staff are here to answer your questions
- All panels presented here are posted on the Hydro One Networks website

www.HydroOneNetworks.com/BrucetoMilton

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ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Purpose of the Public Information Centre

- Provide you with information on the project, processes to be followed, and let you know how you can get involved
- Review property ownership information and land use maps
- Listen to your feedback and any comments or concerns you may have. You may also wish to provide input via the website
- Outline the next steps in the process

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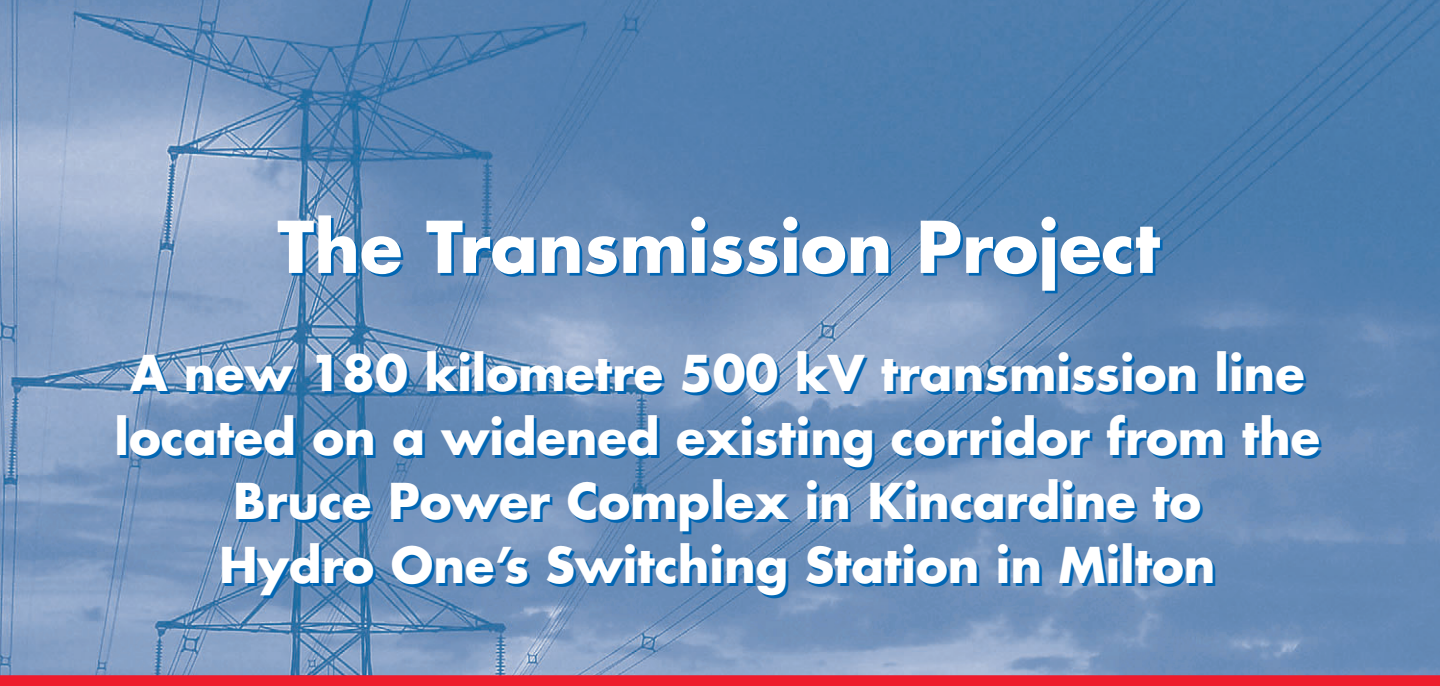

The Transmission Project

A new 180 kilometre 500 kV transmission line located on a widened existing corridor from the Bruce Power Complex in Kincardine to Hydro One's Switching Station in Milton

ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Benefits for Ontario

- Supports Province's climate change and clean air initiatives
  - Facilitates the development of renewable energy and the replacement of coal-fired generation in Ontario

- Delivers approximately 3,000 MW – enough to power 1.2 million homes and businesses

- Provides Ontario with emission-free power

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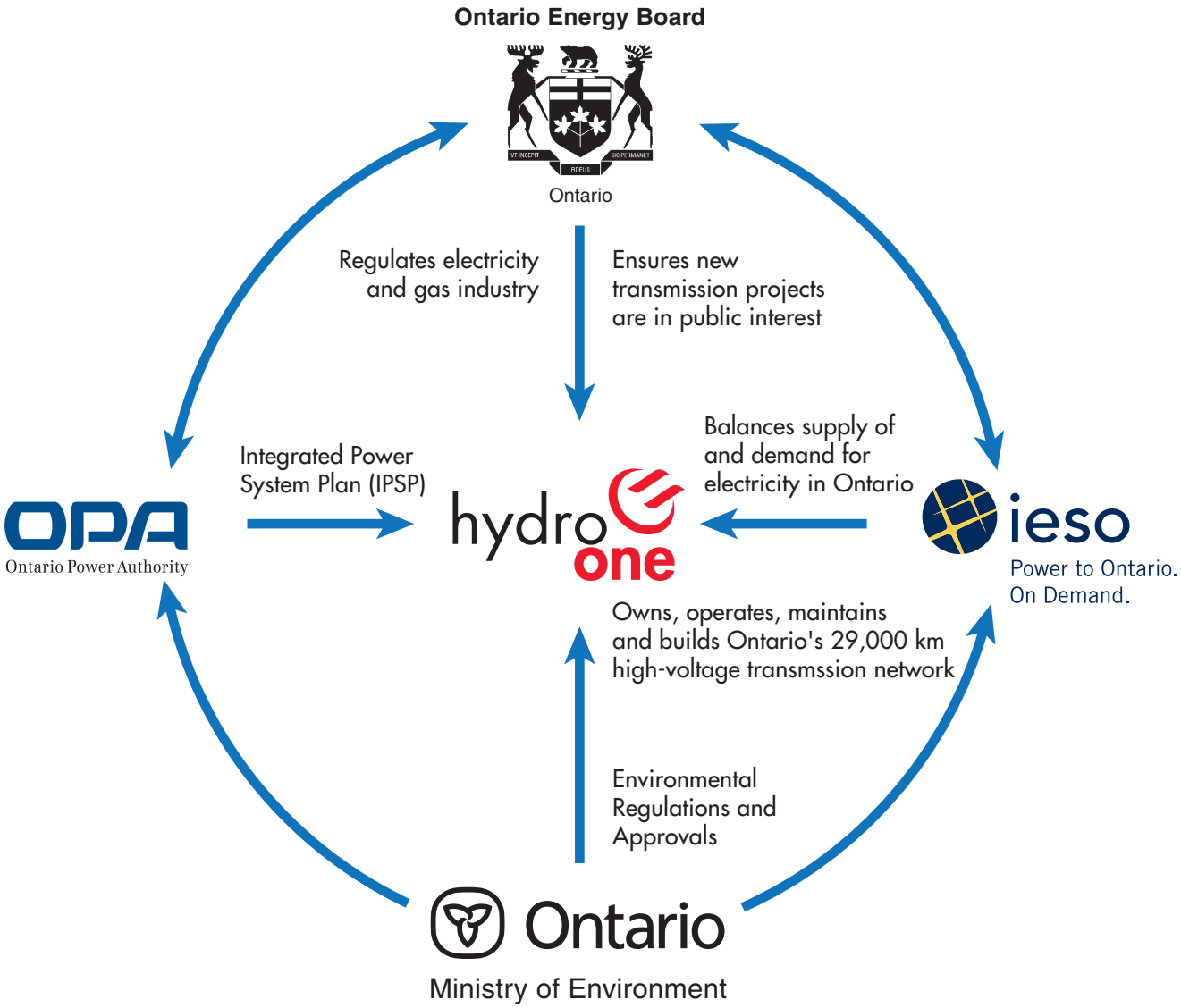
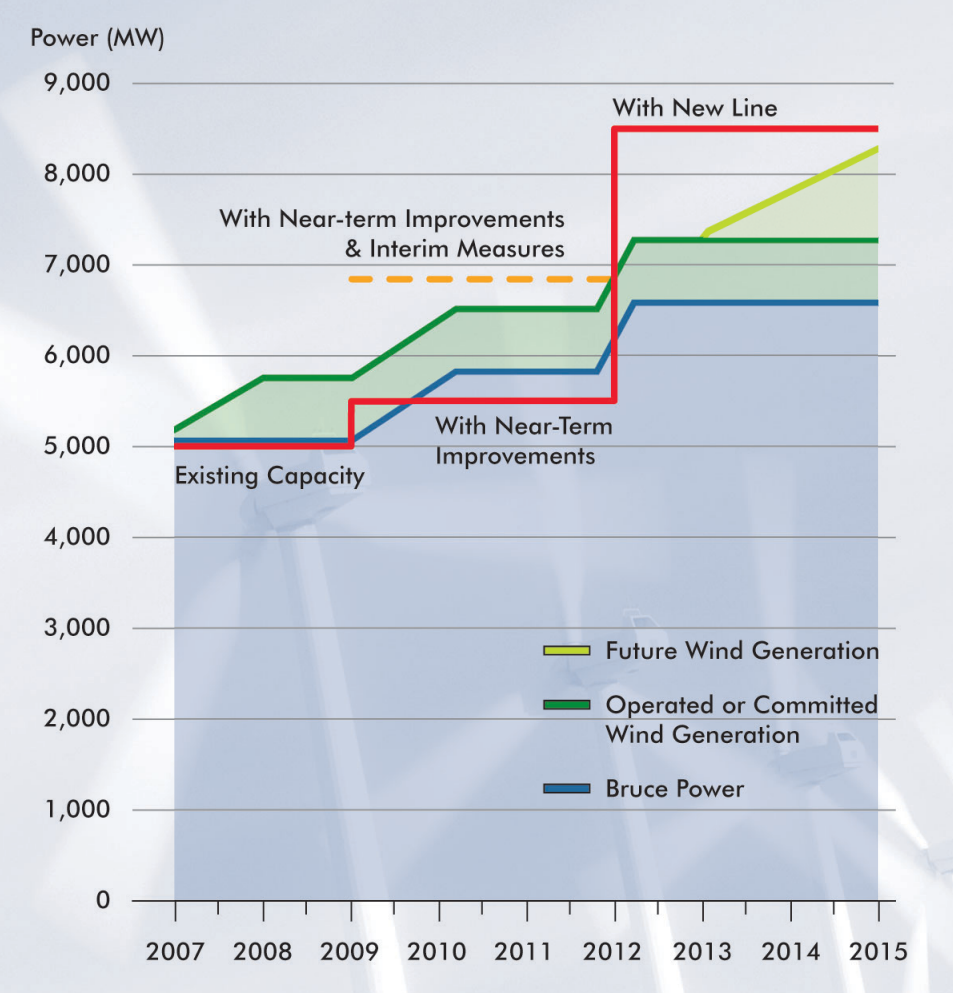
Ontario Electricity Industry Structure



Why Ontario Needs this Project



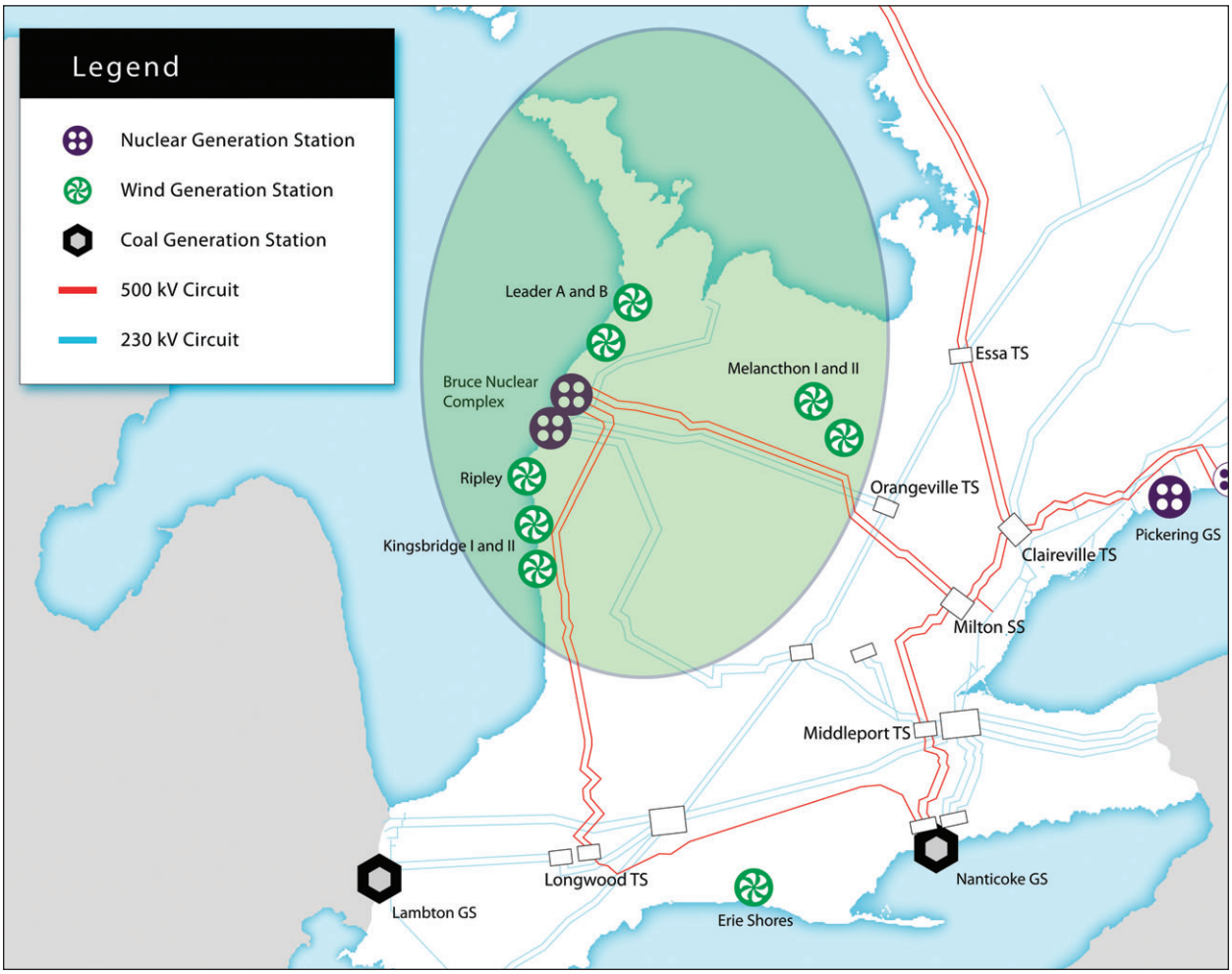
BRUCE AREA GENERATION AND TRANSMISSION

Today	Transmission System Capacity	5,000 MW
Future	Two Bruce Power Nuclear Units return to service	1,500 MW
	Wind: Committed	700 MW
	Future Potential	1,000 MW
		3,200 MW

NEW TRANSMISSION LINES NECESSARY TO DELIVER ADDITIONAL POWER

ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Bruce Area Generation and Transmission



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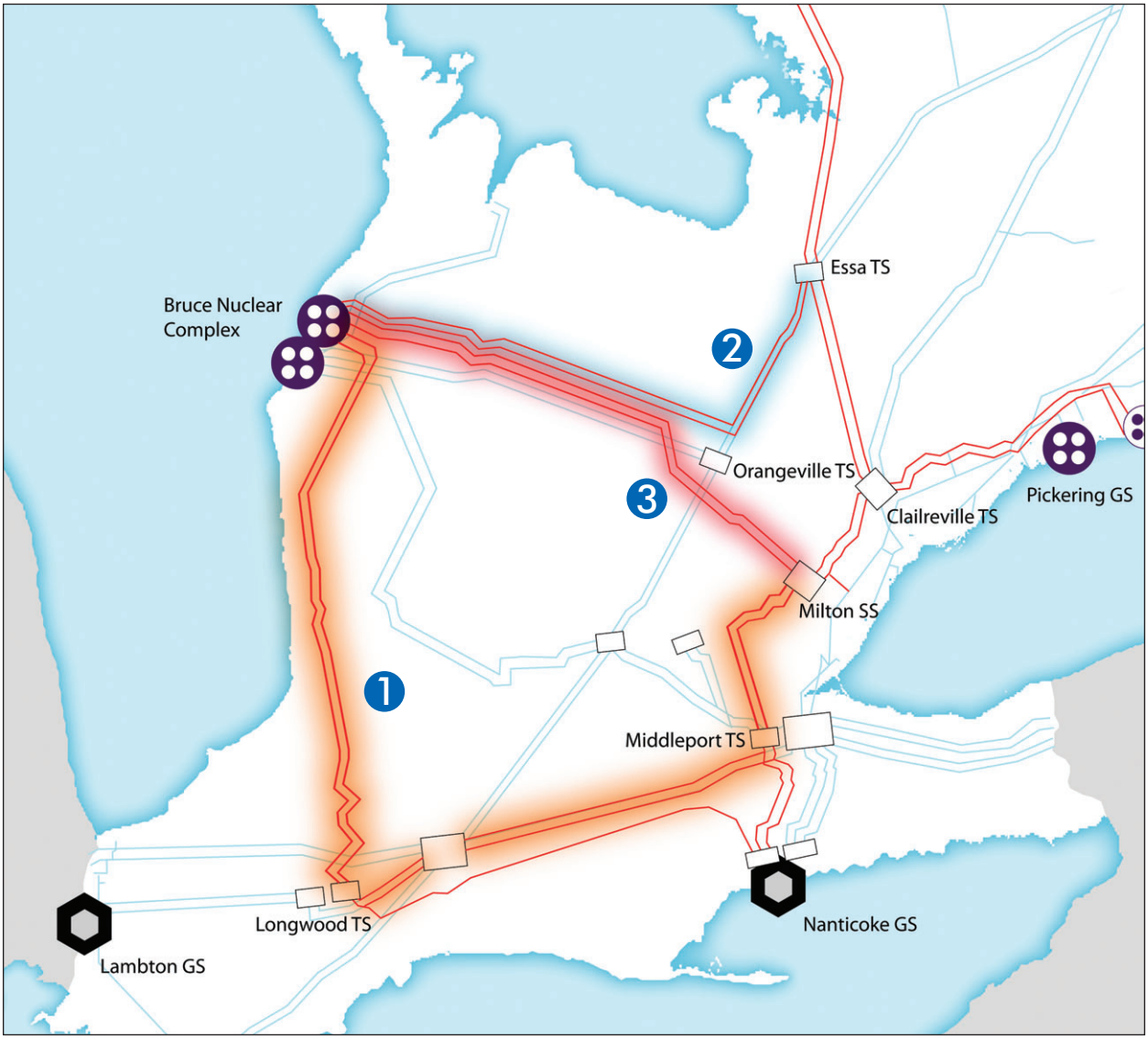
ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Transmission Options



1. Bruce to Longwood
2. Bruce to Essa
3. Bruce to Milton

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Ontario Power Authority (OPA) Recommended Route Option

The Bruce to Milton line is the only option that:

- Provides transmission capability to meet the need identified
- Minimizes land impact by paralleling an existing corridor; consistent with provincial land use policy
- As compared to the Bruce x Essa option:
  - provides about 1,000 MW of greater capability
  - does not use the transmission capacity along the Barrie to GTA delivery path planned for transmitting power from northern to southern Ontario

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Maximizing the Existing Transmission System

- The OPA has also recommended measures to ensure reliable power transmission from the Bruce area until the new 500kV line is placed in-service
- These measures are "stop gaps" and do not replace the need to build the 500 kV line

Near-Term Improvements:

- Increase the capacity of the existing 230 kV lines from Hanover Transformer Station (TS) to Orangeville TS
- Install voltage support facilities at existing Hydro One stations in southern Ontario and western GTA

Interim Measures:

- Expand the existing generation rejection scheme in the Bruce area
- Install new stations along the existing 500 kV lines from Bruce to Longwood TS and Longwood TS to Nanticoke GS
- Limit development of new generation in the Bruce area until additional transmission is in place

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Reference Route for EA Study

The Ontario Power Authority has recommended that Hydro One build a new double-circuit 500 kV transmission line, parallel to the existing line from Bruce to Milton. The route:

- Meets the overall need to transmit the existing and committed generation in the Bruce area
- Facilitates the development of future resources both in the Bruce area and in northern Ontario
- Is consistent with the provincial land use policy
- Provides a long-term solution within a widened existing transmission corridor
- Is based on proven technology and delivered at a reasonable cost

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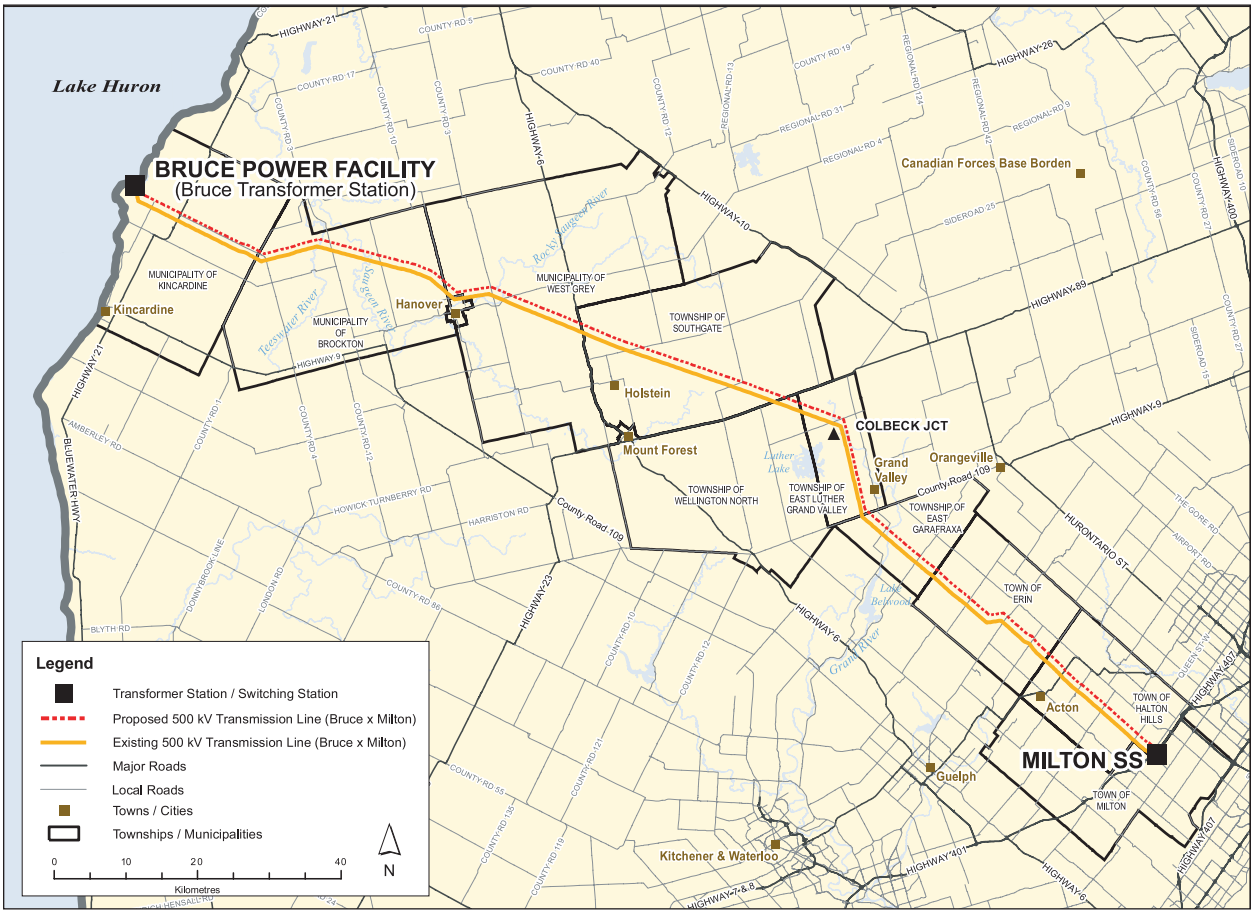
ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Reference Route



Based on an analysis of current conditions and technical considerations, Hydro One determined that a route along the north side of the existing line from Bruce to Colbeck, and along the east side of the existing line from Colbeck to Milton, be considered as a reference route for further analysis and consultation.

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ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Key Facts and Figures*

- Length of Proposed Route – 180 km (112 miles)
- Additional Corridor Width – 53 to 61 m (175 to 200 ft)
- Tower Height – 49 m (160 ft; same as existing 500 kV towers)
- Number of New Towers – 726
- Average Span of Towers – 250 m (820 ft)
- Allowable Span Variance – Approx. 30m (100 ft) in either direction to address sensitive features
- Estimated Capital Cost – $635 million
- Construction Time – 3 years
- Number of Properties Affected – 400

* *approximate or estimated*

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Natural and Socio-Economic Data

Natural and socio-economic data were analyzed in order to determine existing conditions along the reference route. While further study will be conducted during the EA process, the following maps highlight information collected to date.

Natural Environment

Existing data were used to identify and map natural features, such as wetlands, woodlots, fisheries, and areas of natural and scientific interest. At this stage in the process readily available geographic information system (GIS) data are used to determine potential effects on existing features.

Socio-Economic Environment

Existing data provided baseline information for establishing community profiles along the reference route, and a preliminary assessment of the effects of the route on the existing socio-economic features including agriculture.

Readily available secondary data sources used included: Hydro One GIS data base and Official Plans of counties along the route.

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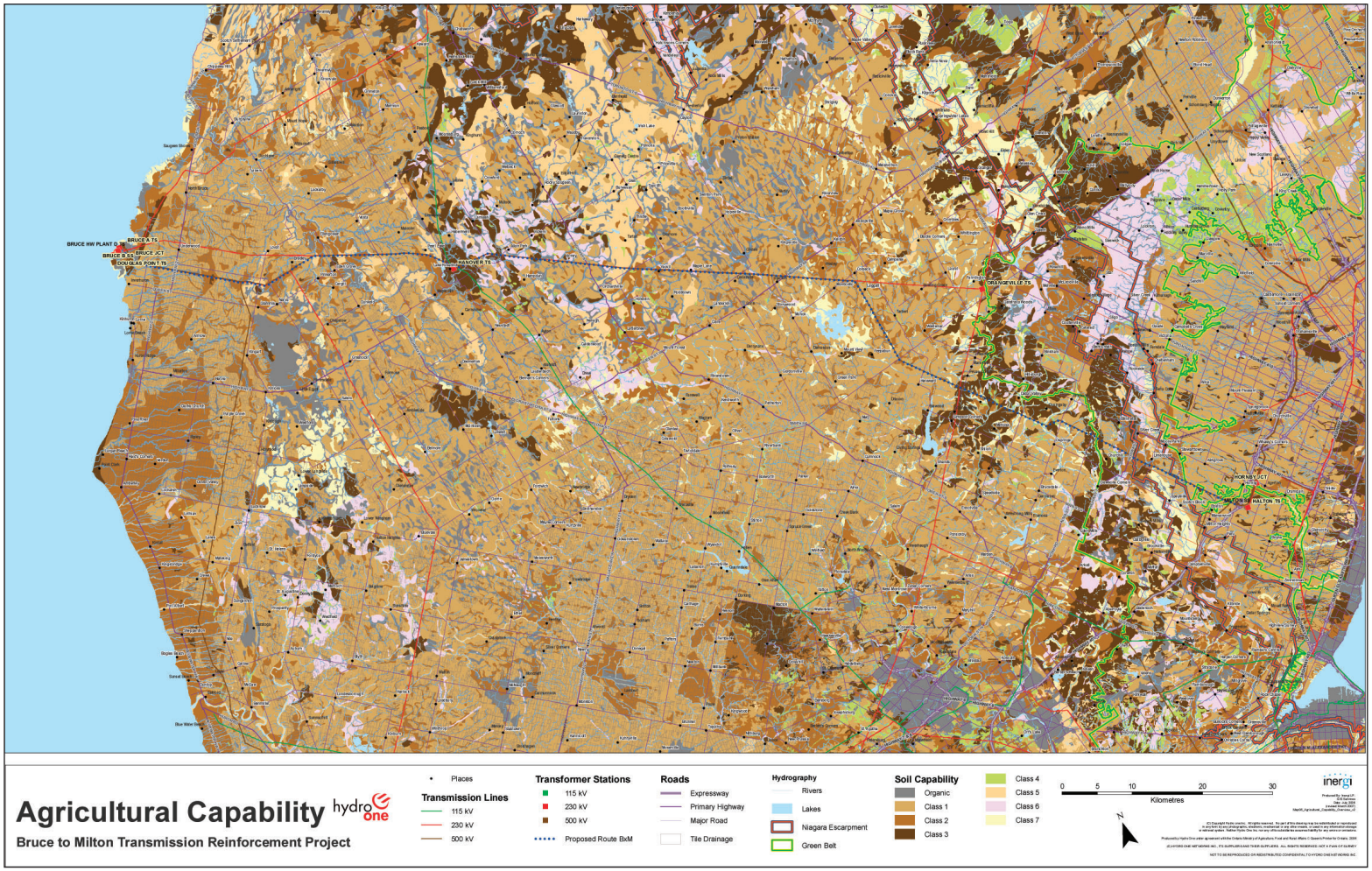
Agricultural Resources



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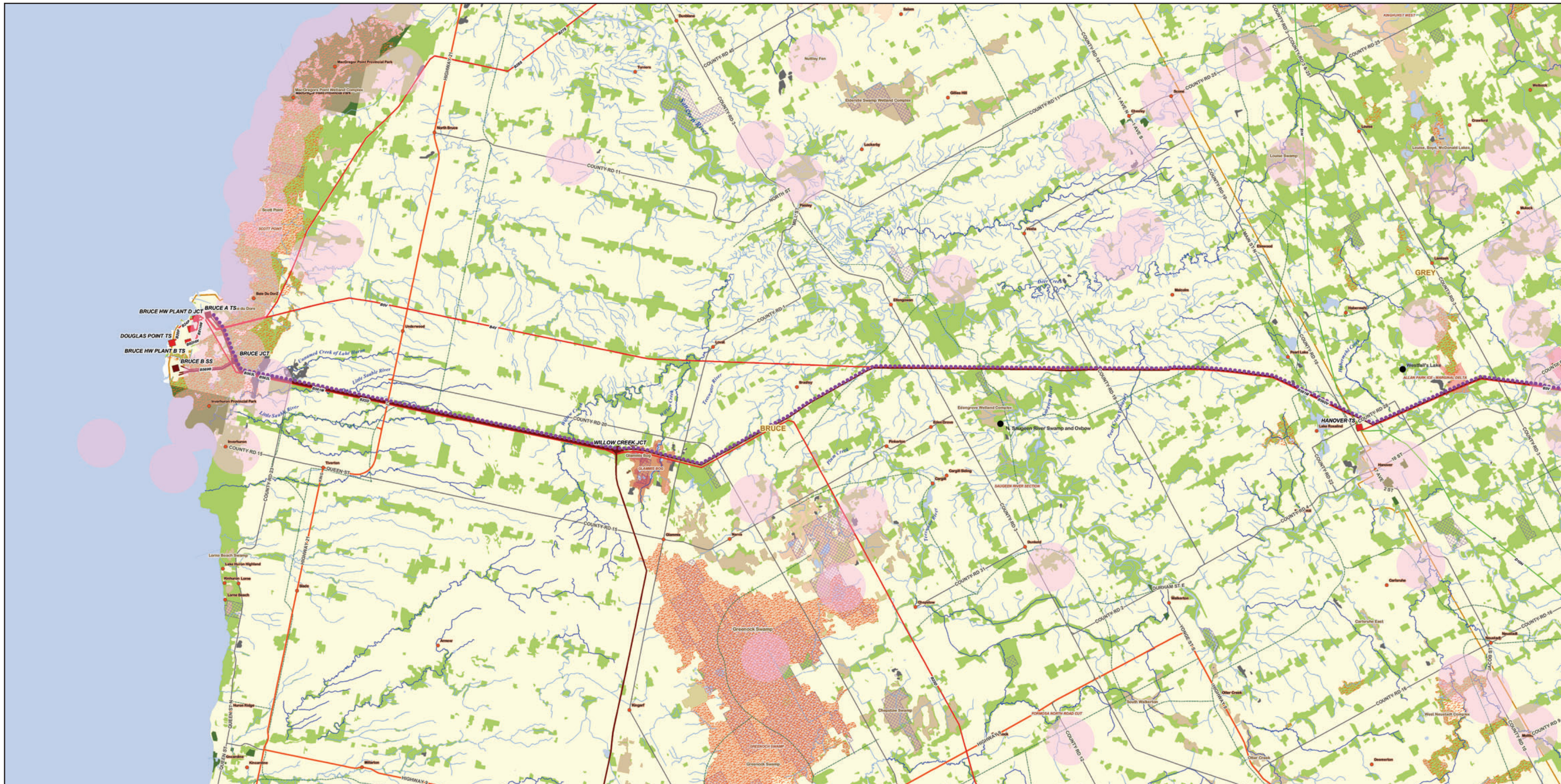
Natural Environment



Bruce x Milton
Natural Heritage

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- Towns
- Additional Significant Areas

Transmission Stations
- 115 kV
- 230 kV
- 500 kV

Transmission Lines
- 115 kV
- 230 kV
- 500 kV
- Proposed Centerline
- Trails

- Streams
- Cold Water Streams

Roads
- Expressway
- Primary Highway
- Major Road

- Deer Yards
- Niagara Escarpment
- Oak Ridges Moraine
- Green Belt
- Conservation Area
- ESA

- Provincially Significant ANSI
- Regionally Significant ANSI
- Mining Resources
- Species at Risk
- Not Significant/ Unevaluated Wetlands
- Provincially Significant Wetlands

- Parks & Recreation
- Wooded area
- Waterbodies
- Upper Tier Municipalities

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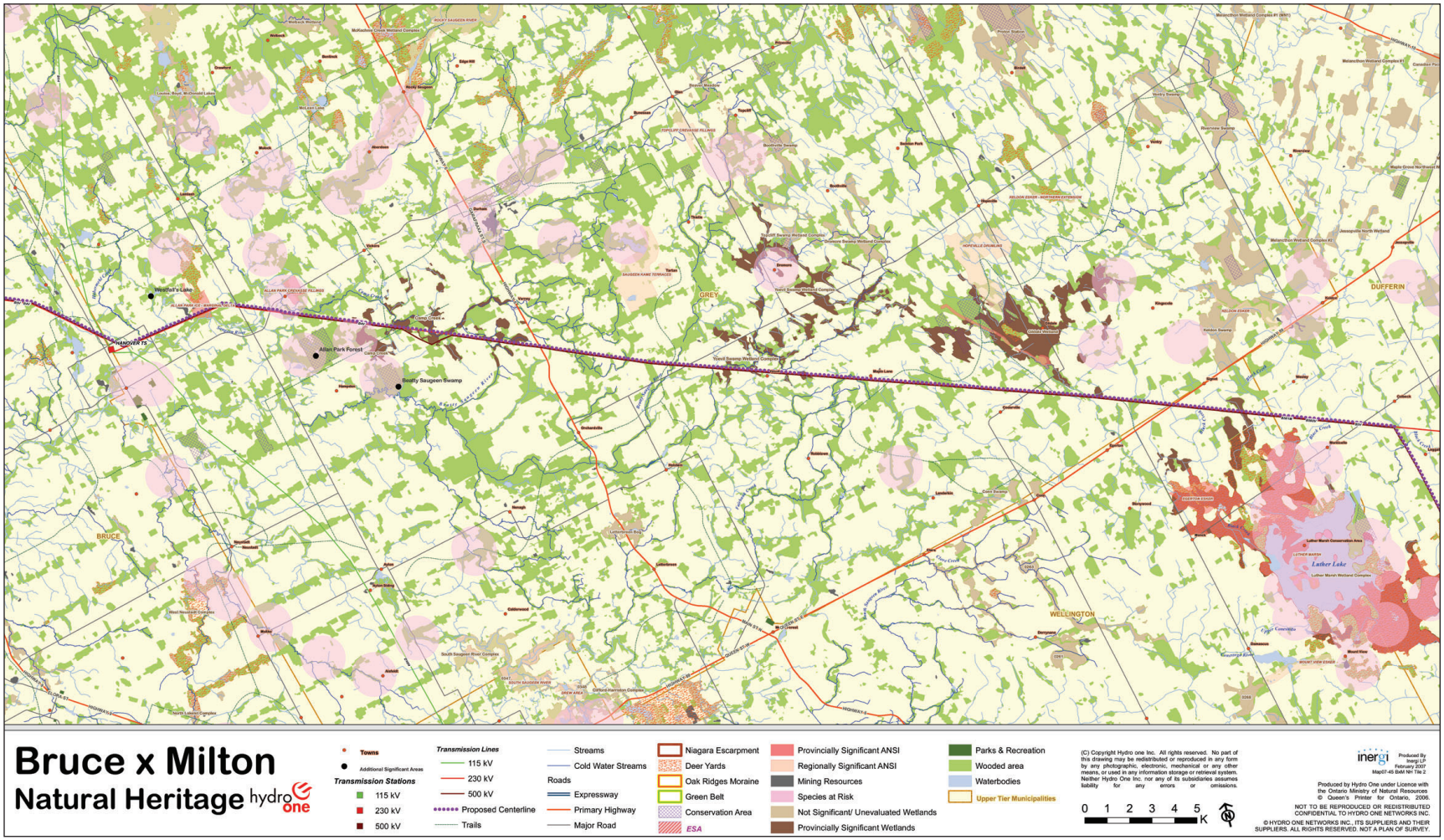
Natural Environment



Bruce x Milton
Natural Heritage

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Towns
Additional Significant Areas

Transmission Stations
115 kV
230 kV
500 kV

Transmission Lines
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Trails

Streams
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Niagara Escarpment
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Oak Ridges Moraine
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Species at Risk
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Provincially Significant Wetlands

Parks & Recreation
Wooded area
Waterbodies
Upper Tier Municipalities

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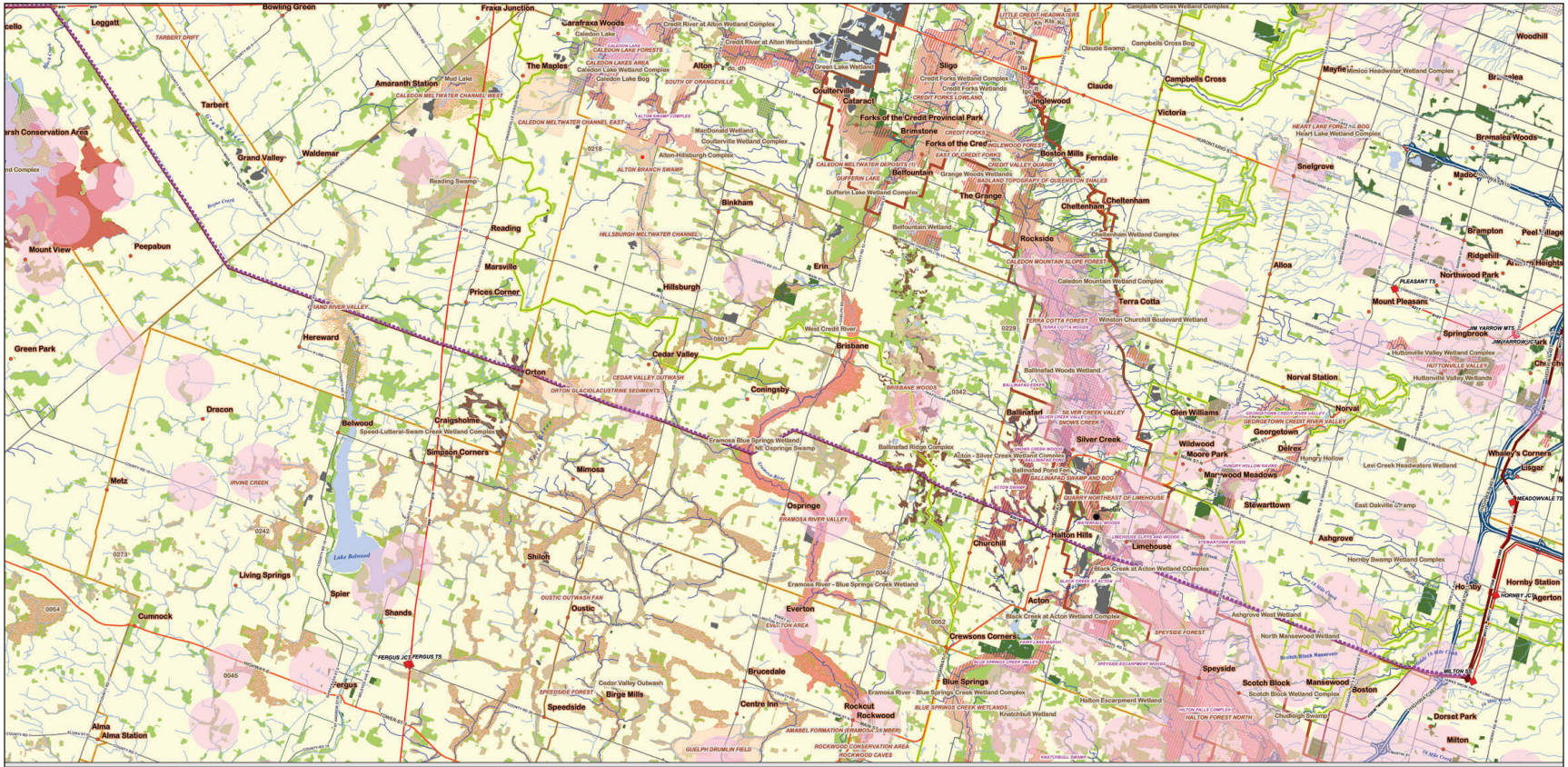
Natural Environment



Bruce x Milton
Natural Heritage

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Transmission Stations
- 115 kV
- 230 kV
- 500 kV

- Towns
- Additional Significant Areas

Transmission Lines
- 115 kV
- 230 kV
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- Proposed Centerline
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- Streams
- Cold Water Streams

Roads
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- Wooded area
- Waterbodies
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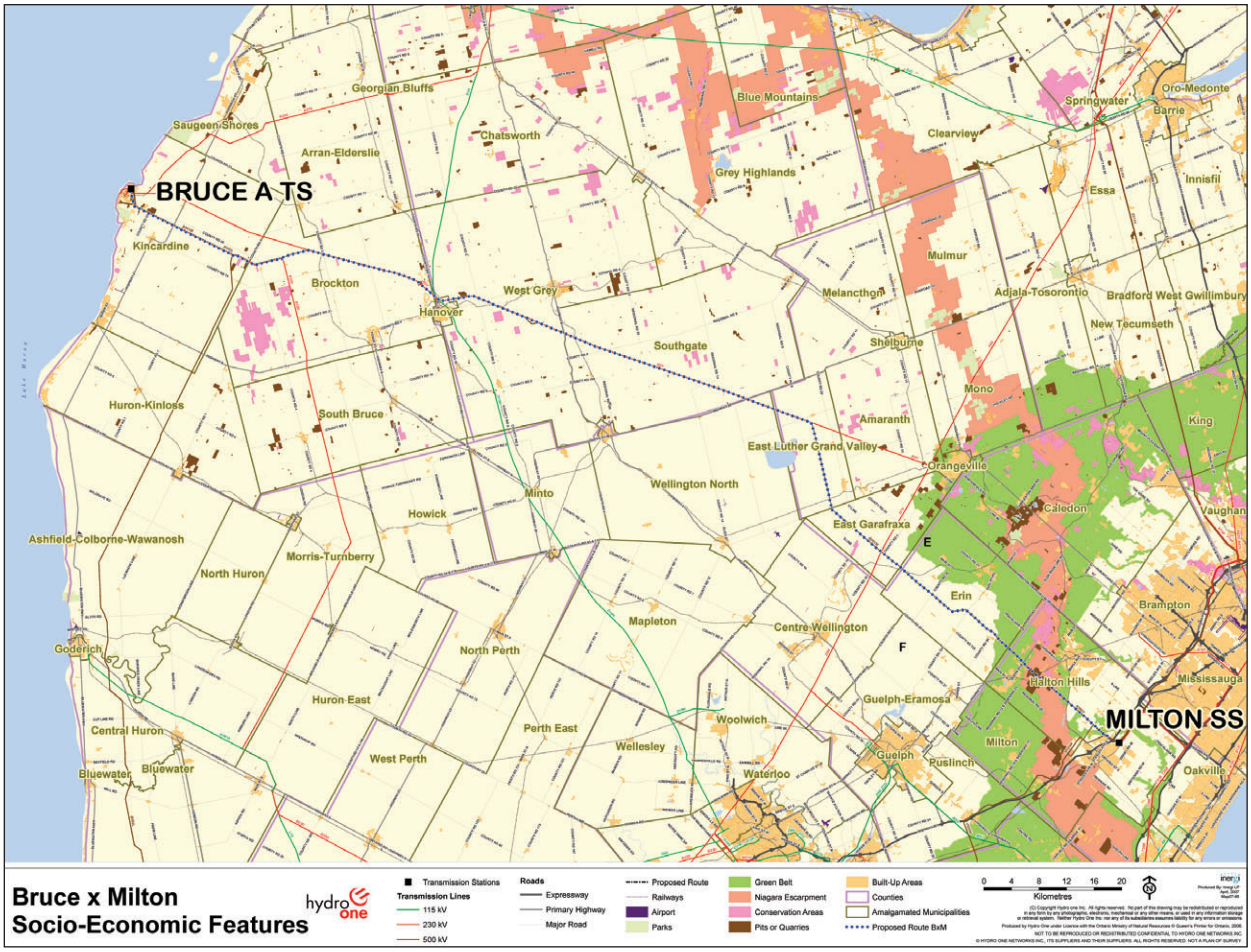
Socio-Economic Environment



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What Approvals are Required?

- Prior to constructing new transmission facilities, Hydro One must seek and obtain Ontario Energy Board (OEB) and Environmental Assessment (EA) approvals. The following panels illustrate these processes

- Hydro One is proceeding concurrently through the OEB and EA processes, to ensure that electricity from existing and future wind, and nuclear sources can continue to be safely and reliably delivered to Ontario electricity consumers through late 2011 and beyond

- Both OEB and EA approval processes include opportunities for you to participate and provide your input to the decision-making process

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Ontario Energy Board

In March 2007, Hydro One filed two applications with the OEB related to the Bruce to Milton Project:

Leave to Construct (section 92 of the *OEB Act*)

- Once approved (and all conditions met, e.g. EA approval) and land rights acquired, Hydro One will be permitted to begin construction. The OEB review of Hydro One's application for leave to construct approval includes provision for public consultation, stakeholder and Aboriginal participation

- The OEB sets a target of up to 7 months for processing Section 92 applications

Early access to land (section 98 (1.1) of the *OEB Act*)

- Early access would allow Hydro One employees and representatives to enter properties along the proposed route to conduct a limited number of activities (including field and legal surveys and soil testing) during 2007 and 2008
- This is necessary in order to meet a 2011 in-service date

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Early Access Activities

- These activities will provide information for the OEB, Environmental Assessment and expropriation processes
- Activities will be non-intrusive. Hydro One will compensate property owners for any damages
- Activities would start once the Early Access application is approved; anticipated in spring 2007 and continue through fall 2007; and 2008
- Hydro One will make best efforts to contact property owners prior to the start of these activities

Biological surveys (birds, plant, fisheries, etc.)

Woodlot evaluations

Legal surveys for access road planning

Landscape assessments

Legal survey/property appraisals

Geotechnical/soil analysis

Field surveys/agricultural (soil capability/drainage/land use)

Archaeology Surveys

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Environmental Assessment

This project is subject to the requirements of the *Environmental Assessment Act* (EA), and an Individual Environmental Assessment will be completed

Terms of Reference

A Terms of Reference establishes the framework for the preparation and review of the EA. It outlines how the EA will be conducted and helps ensure that the public, Aboriginal peoples and government agencies know what will be considered.

The Terms of Reference is subject to approval by the Minister of the Environment. Public, agency and Aboriginal input will be collected during the development of the Terms of Reference. The Ministry of the Environment will also initiate a formal public and agency comment period on the Terms of Reference once it is submitted.

EA Study

This EA Study will focus on the transmission route from Bruce to Milton. It will consider design alternatives (e.g., tower locations on the corridor and access routes), measures to avoid and minimize potential effects and identify advantages, disadvantages, and net effects of the project.

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ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Overview of Environmental Assessment Process

We Are Here

PHASE 1 & 2
Terms of Reference

- Prepare and Submit Terms of Reference Document
- Government, Aboriginal & Public Review of Terms of Reference
- Decision

PHASE 3
Environmental Assessment Study

- Environmental Assessment of Undertaking Including Alternative Methods
- Develop Mitigation Plans

PHASE 4
***Environmental Assessment Act* Submission**

- Prepare EA and Submit for Approvals
- Government, Aboriginal & Public Review
- Final Decision

Agency, Public and Aboriginal Consultation

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Land Matters

- The proposed line requires a widening of the existing corridor making it necessary for Hydro One to obtain additional land rights. Hydro One will prepare to expropriate easements, and in a limited number of cases, purchase property

- Payment for expropriated lands will be based on market value determined by an independent, accredited, third party appraiser

- Hydro One plans to install the new towers in line with the existing ones to minimize visual impacts, subject to any environmental and technical constraints

- Hydro One will deal with every affected land owner in a fair, open and consistent manner. In summer 2007, a property agent will be contacting directly affected property owners to discuss the land acquisition process and answer questions about the project

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Hydro One's Environmental Practices

- Hydro One is committed to protecting the environment for current and future generations
- Examples of measures incorporated during design and construction to prevent or mitigate effects include the following:
  - minimize disruption to farming operations through landowner consultation
  - construct temporary gravel access roads
  - survey archaeological resources
  - reforest acre for acre when woodlots cut
  - schedule activities to minimize effects
  - erosion and sediment control plans

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Electric and Magnetic Fields (EMFs)

- EMFs are invisible forces that surround electrical equipment, power cords, and power lines. You cannot see or feel EMFs
- Every time you use electricity and electrical appliances, you are exposed to EMFs at extremely low frequencies (ELF). EMFs produced by both power lines and use of electrical appliances, belong to this category
- EMFs are strongest when close to the source. As you move away from the source, the strength of the fields fades rapidly

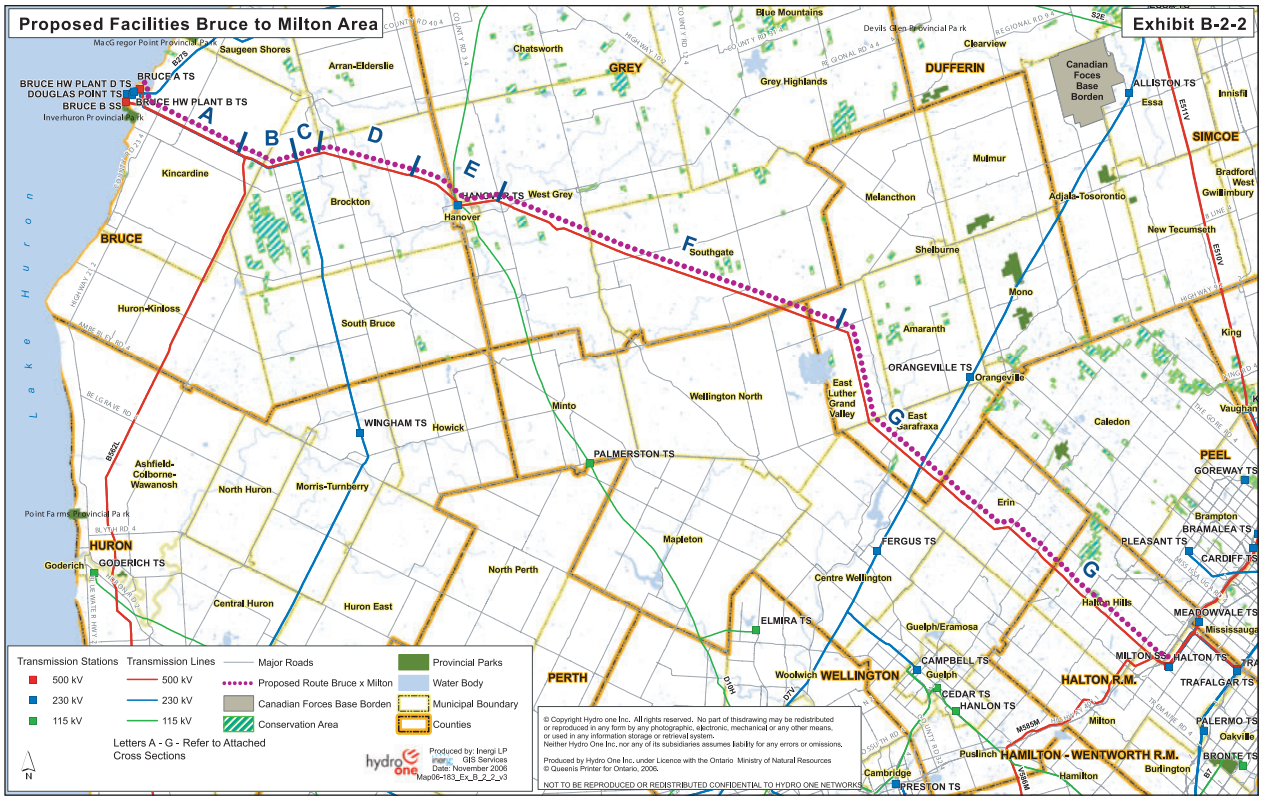
Health Canada's Position on EMFs

There is no compelling scientific evidence that EMFs in living and school environments, regardless of distance from transmission lines, cause ill health such as cancer. This position is consistent with the overall opinions from most national and international scientific bodies. *Source: Health Canada Submission to BC EAO on VITR Project; www.eao.gov.bc.ca*

At present, there are no Canadian government guidelines for exposure to EMFs at ELF. Health Canada does not consider guidelines for EMF exposure necessary, because scientific evidence is not strong enough to conclude that typical exposures cause problems. *Source: Health Canada's Electric and Magnetic Fields at Extremely Low Frequencies; www.hc-sc.gc.ca*

hydro one

Right-of-Way Cross Sections



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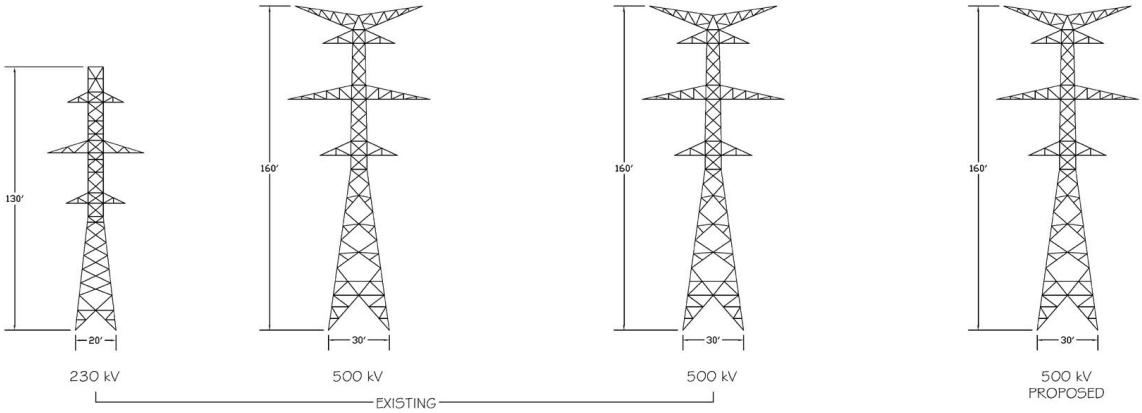
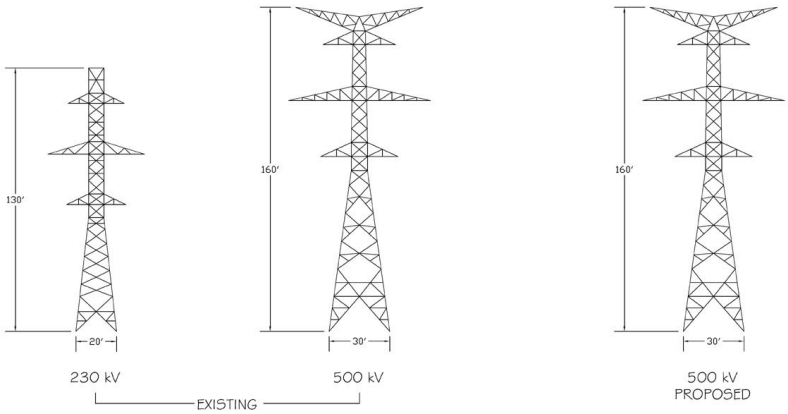
Right-of-Way Cross Sections



RIGHT OF WAY CROSS SECTION FOR A

ALL DIMENSIONS ARE APPROXIMATE

Future ROW width: 670 ft



RIGHT OF WAY CROSS SECTION FOR B, E

ALL DIMENSIONS ARE APPROXIMATE

Future ROW width: 500 ft

All dimensions are approximate

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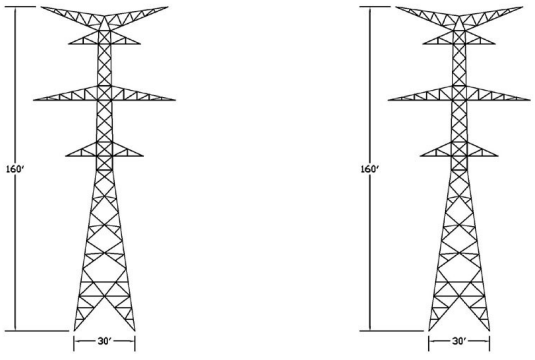
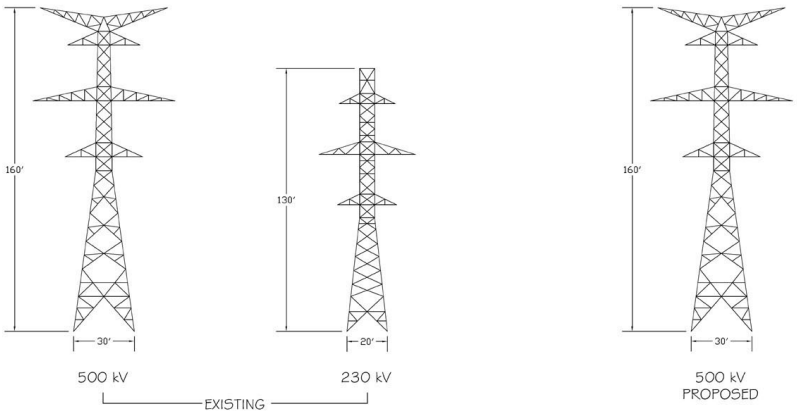
Right-of-Way Cross Sections



RIGHT OF WAY CROSS SECTION FOR C, G

ALL DIMENSIONS ARE APPROXIMATE

Future ROW width: 425 ft



RIGHT OF WAY CROSS SECTION FOR D, F

ALL DIMENSIONS ARE APPROXIMATE

Future ROW width: 520 ft

All dimensions are approximate

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Draft Contents of the EA Terms of Reference

Purpose of the Project

- A scoped EA under *subsections 6(2)(c) and 6.1(3)* of the EA Act
- One route is available that meets the need as identified by the OPA
- The project involves reinforcement of the transmission facilities from Bruce to Milton to meet the energy demands in southern Ontario including the GTA

EA Framework

- Description of regulatory requirements under Ontario *Environmental Assessment Act* and *Canadian Environmental Assessment Act*, as applicable, and other EA approvals that must be obtained

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Draft Contents of the EA Terms of Reference

Description and Rationale for Project

- The need for the undertaking
  - Delivery of power from wind projects and Bruce Power to southern Ontario including the GTA from 2011 and beyond
- Alternatives to the undertaking
  - Only one route, Bruce to Milton, meets the need for the undertaking identified by OPA
  - The project involves building a new 500 kV line on expanded existing transmission corridor from Bruce to Milton
  - A detailed description of the study area along the route will be prepared

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Draft Contents of the EA Terms of Reference

Existing Environmental Conditions

- Socio-economic
- Agricultural
- Natural
- Cultural and heritage

Route and Alternative Methods

- Evaluation of the alternative methods of carrying out the undertaking

Commitments and Monitoring

- List of commitments made and a monitoring plan to track their implementation
- Environmental Monitoring Plan for any potential effects from the project

Public and Agency Consultation

- Public consultation plan, including public information centres (PICs), letters, website, news media
- Aboriginal and Métis engagement
- Government agency consultations

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ONTARIO'S NEW CLEAN ENERGY CORRIDOR

Next Steps

When	Steps	Consultation Activities
May 2007	• Draft Terms of Reference Review	• Project Newsletter – Terms of Reference • Notice and distribution of draft document for review • Meetings with property owners • Government review team, municipal advisory and interest group meetings
June 2007	• Final Terms of Reference Submitted	• Notice of Submission to Ministry of the Environment • Document available for review and comment
Oct 2007	• Initiate EA • Input on Design • Input on Potential Effects, Mitigation and Management	• Notice of Commencement of EA • Project Newsletter – Initiation of EA • Meetings with property owners • Public Information Centres – Round #2 • Meetings with property owners • Issues workshops with landowners, agencies, interest groups, and municipal staff • Government review team, municipal advisory and interest group meetings
Spring 2008	• Draft EA Document Available for Review	• Notice of document available for review • Project Newsletter – Draft EA • Distribution of draft document for Review • Public Information Centres – Round #3 • Meetings with property owners • Government review team, municipal advisory and interest group meetings
Summer 2008	• Final Environmental Assessment Submitted	• Notice of Submission to Ministry of the Environment • Project Newsletter • Distribution of Final EA for review
Fall 2008	• Decision	

Web Page – Hotline – Media – Liaison – Education Material

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Thank You!

ONTARIO'S NEW CLEAN ENERGY CORRIDOR

On behalf of the project team, thank you for attending this public information centre

Please remember to fill out a comment form before you go

If you have any questions, please call the Project Hotline at:

1-877-345-6799

or email:
community.relations@HydroOne.com

Be sure to visit the project website for updates at:
www.HydroOneNetworks.com/BrucetoMilton

Please drive safely

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APPENDIX F

Media Coverage

Media Coverage of the Bruce to Milton Transmission Reinforcement Project

Date	Newspaper / Radio	Title	Author
November 9, 2006	Owen Sound Sun Times	Electricity might not make it off Bruce Power site	Jim Algie
November 11, 2006	Owen Sound Sun Times	Power transmission limitations not lost on province	Jim Algie
November 11, 2006	Sudbury Star	$1B in fines may dog Bruce project	unlisted
January 4, 2007	Owen Sound Sun Times	Hydro One plans wider corridor	Don Crosby
January 5, 2007	CKNX AM	Hydro One to build new transmission line from Bruce nuclear station	unlisted
January 19, 2007	CKNX-AM News	Power Corridor Expansion Proposed	reporter: Bryan Allen
March 3, 2007	National Post	Ontario rolls out long-term plan	Scott DiSavino
March 6, 2007	Ontario Farmer	Transmission hold-up unacceptable	unlisted
N/D	Georgetown Independent & Free Press	Twinning of hydro lines may impact dozens of landowners	Lisa Tallyn
March 20, 2007	Ontario Farmer	Small Bruce energy project still possible	unlisted
March 26, 2007	Canadian Press	Hydro One building $600M transmission line to tap into boosted	Chinta Puxley
March 26, 2007	Bayshore Broadcasting	New Hydro Line at Bruce	broadcast news
March 26, 2007	Power Week	Ontario looking at solutions to transmission issues in Bruce area	Steve Muller
March 27, 2007	CKNX AM 920	Bruce County Warden Likes Transmission Line Plans	unlisted
March 27, 2007	The Toronto Star	Power line expansion proposed	Tyler Hamilton
March 27, 2007	The Windsor Star (a shorter version ran in the National Post	Hydro taps Huron power	unlisted
March 27, 2007	Owen Sound Sun Times	Power line to get a boost	Paul Austin

Date	Newspaper / Radio	Title	Author
March 27, 2007	Metroland – Halton Division	Hydro One eyes $600 million expansion	unlisted
March 27, 2007	Stratford Beacon-Hearold	New hydro line good for green energy: Fyfe-Stratford Beacon-Hearold	Brian Shypula
March 28, 2007	Metroland – Brampton division	Twinning of hydro transmission line leaps first hurdle with OPA approval	Lisa Tallyn
March 28, 2007	Shoreline Beacon	Hydro One to invest more than $600 million in transmission system	unlisted
March 28, 2007	The Record	Hydro transmission line could give Bruce a boost	Pat Halpin
March 28, 2007	Shoreline Beacon	Nuclear concerns addressed at Bruce Power open houses	Troy Patterson
March 30, 2007	Metroland – Brampton Division	Hydro One line to consume Orton park	Richard Vivian
April 3, 2007	Globe and Mail	Plan for new hydro line has opponents buzzing	Jennifer Lewington
April 13, 2007	Orangeville Citizen	Residents raise issues about proposed power line	Wes Keller
April 18, 2007	Owen Sound Sun Times	Hydro One to buy properties for line	Don Crosby
April 20, 2007	The Post (Hanover)	Properties to be purchased	unlisted
April 27, 2007	Metroland – Halton Division	Hydro One asked to keep property owners in mind	unlisted
N/D	Bayshore Broadcasting	Hydro One gives customers a closer look	Ken Hashizume
April 24, 2007	Mount Forest Confederate	Transmission line hearings under way	Don Crosby
May 2, 2007	CKNX AM	Power Corridor Information in Hanover	unlisted
May 5, 2007	Owen Sound Sun Times	Concerns raised over new power line	Don Crosby
May 9, 2007	Mount Forest Confederate	Blackout on specifics at Hydro public meeting	Kris Svela
May 9, 2007	The Markdale Standard	Hydro lines to run through West Grey	unlisted

Date	Newspaper / Radio	Title	Author
May 10, 1007	Owen Sound Sun Times	There's lots of information about hydro line available	unlisted
May 11, 2007	The Post	Mixed reaction to Hydro One plan for new line	unlisted
May 15, 2007	Bayshore Broadcasting	Brockton concerns about power corridor	Robyn Garvey
May 18, 2007	Metroland – Brampton Division	Mayor, council call OPA NIMBY survey 'insulting'	Cynthia Gamble
May 25, 2007	CKNX AM	Bruce and Grey Residents Urged to Organize because of Hydro Corridor	unlisted
May 29, 2007	CHCH-TV	Hydro One transmission project may leave families without a home	Anchor/Reporters: DAN McLEAN
June 8, 2007	Owen Sound Sun Times	New transmission line will move green energy	Larry Kraemer, Mayor of Kincardine

APPENDIX G

Copies of Comments (Agencies and Interest Groups)

MNR RESOURCE INFORMATION and RECOMMENDATIONS for

Hydro One's Proposed Bruce – Milton Transmission Reinforcement Project

MNR, Southern Region

April, 2007

Table of Contents:

Ministry of Natural Resources Comments re
Proposed Bruce – Milton Transmission Reinforcement Project
April 18, 2007

GENERAL COMMENTS:

MNR's recommendations are based on a concern that provincial natural resource-related interests be protected to the extent possible. They are also based on recognition that expansion of an existing transmission line corridor will, in general, have substantially less environmental impact than a new corridor. MNR recommends that Hydro One's planning process ensure that the decisions on areas to be impacted be based on evaluation of the potential environmental impacts.

Over-all, MNR is concerned that the values identified in the Provincial Policy Statement (PPS) be protected to the extent possible. The PPS was approved by the Lieutenant Governor in Council, under Section 3 of the Planning Act. Since the PPS is a reflection of Provincial interest, it should be considered by Hydro One in carrying out its projects. Of particular concern to MNR are the protection of the natural heritage features and areas, and the protection of mineral aggregate operations and deposits.

MNR is also concerned with ensuring that Hydro One considers the requirements of the Greenbelt Plan and the Niagara Escarpment Plan. The Greenbelt Plan was approved by the Lieutenant Governor in Council, under Section 3 of the Greenbelt Act, 2005. The Greenbelt Plan addresses a number of natural features which are not addressed in the PPS and which should be considered. The Niagara Escarpment Plan is implemented by the Niagara Escarpment Commission and we recommend that you directly contact that agency to determine their recommendations.

MNR also has a role as an approval authority for infrastructure or site alteration that may occur in certain locations as a result of the Hydro One project. Approvals may be required under the following legislation, as is discussed in greater detail later in this report:

- Public Lands Act for site alteration on Crown land or infrastructure on or over Crown land;
- Fish and Wildlife Conservation Act, which sets out permitting requirements for Fish Scientific Collectors Permits and Wildlife Scientific Collection Authorizations.

We also note that Conservation Authorities (CAs) have related responsibilities. We recommend that Hydro One contact the various CAs to determine if any approvals are required from these agencies, and also to determine if they have any additional natural heritage information that will assist you. The following are amongst the responsibilities of CAs:

- Control over some aspects of the federal Fisheries Act;
- Permitting authority under the "Generic Regulation", passed under the Conservation Authorities Act;
- Delegated approval authority under the Lakes and Rivers Improvement Act for activities that could have an affect on the flow of a watercourse;
- Watershed or fisheries management plans.

Municipalities should also be contacted since they may have information that will be helpful to you, and policies related to the development and expansion of infrastructure.

The Department of Fisheries and Oceans should also be contacted, since Hydro One would require authorization under the federal Fisheries Act for any proposed harmful alteration, disruption or destruction of fish habitat. Authorization would also be required under the Navigable Waters Protection Act for any

proposed structures in a navigable waterbody. A federal review could trigger a review under the Canadian Environmental Assessment Act.

USE OF BACKGROUND INFORMATION:

We understand that you are using data from the Ontario Land Information Directory (OLID) to identify known natural heritage features and areas. Since this information is up-dated on an ongoing basis, we recommend that Hydro One obtain the current data sets from OLID for use on your project. Where additional information for your study area is available outside of OLID, our Districts will provide this to you.

We stress that OLID reflects existing information known to MNR. It is not an inventory of the values that may exist. Accordingly, this information will be useful to you as a starting point only.

In order for Hydro One to fulfill its Environmental Assessment obligations, including consideration of the PPS values, MNR recommends that some level of site assessment be carried out for the entire proposed route (see section on "MNR Recommendations for Site Assessment").

NATURAL HERITAGE FEATURES AND AREAS:

Natural heritage features and areas provide ecological functions that are critical to the survival of all species – including humans. Some of these ecological functions include the provision of habitat, hydrological functions, nutrient and energy cycling and storage, succession and disturbance functions, reproduction and dispersal, landscape linkages and others.

Natural heritage values provide numerous environmental, social and economic benefits. Collectively, they contribute to the conservation of biodiversity and to the maintenance of the quality of our air, land and water. The benefits of conserving natural heritage occur at local, regional, provincial, national and even global scales.

The current Provincial Policy Statement (PPS) came into effect on March 1, 2005, following approval by the Lieutenant Governor in Council under Section 3 of the Planning Act. Since the PPS is a reflection of Provincial interest, it should be considered by Hydro One in carrying out its projects. It is available on the Ministry of Municipal Affairs and Housing Internet website at the following link: http://www.mah.gov.on.ca/userfiles/HTML/nts_1_8198_1.html

Section 2.1.1 of the PPS provides general direction that "Natural features and areas shall be protected for the long term." In your study area, these values are defined to include significant habitat of endangered species and threatened species, provincially significant wetlands, significant woodlands, significant valleylands, significant wildlife habitat, provincially significant areas of natural and scientific interest and fish habitat.

Section 2.1.2 of the PPS directs that the "diversity and connectivity of natural features in an area and the long term ecological function and biodiversity of natural heritage systems should be maintained, restored or, where possible, improved, recognizing linkages between and among natural heritage features and areas, surface water features and ground water features." This directs the protection of **natural corridors linking** the various significant ecological features and areas.

Endangered and Threatened Species

The protection of significant habitat of endangered and threatened species is necessary to slow or prevent their loss in Ontario. While a number of species have been listed in regulation under Ontario's *Endangered Species Act*, MNR's "*Species at Risk in Ontario List*" should be used to identify species whose habitat requires consideration under the endangered or threatened species habitat provisions of the PPS. This list was most recently up-dated on June 30, 2006 and is the product of complementary reviews and assessments that

have been carried out at national and provincial levels. This list is available on the MNR Internet web site at the following link: http://www.mnr.gov.on.ca/mnr/speciesatrisk/status_list.html

Policy 2.1.3(a) of the PPS directs that new development and site alteration not be permitted in the significant habitat of endangered and threatened species.

Policy 2.1.6 of the PPS directs that development and site alternation not be permitted on lands **adjacent** to endangered and threatened species habitat unless the ecological function of the adjacent lands has first been evaluated and this evaluation has demonstrated that there will be no negative impacts on the natural features or their ecological functions. MNR recommends that "adjacent" lands generally be considered to be those lands within 50 metres of the significant portion of the habitat of endangered or threatened species, unless a species-specific distance has been identified by MNR.

The general location of sightings of species of conservation concern is available from MNR's Natural Heritage Information Centre (NHIC), identified as "element occurrences". The relevant MNR District office may be contacted (see "MNR Contacts" section later in this report) to provide additional information on identified element occurrences; MNR should be contacted with a comprehensive list of the element occurrences, rather than for individual occurrences.

However, this information should not be considered to be complete, given the unfeasibility of MNR or any other agency inventorying all small-scale habitats across the province. Therefore, general site assessment is critical to identify the locations or potential locations of areas of significant habitat of endangered or threatened species, in order to ensure that these habitats can be protected. Should site assessment identify locations of possible significant habitat of endangered or threatened species **in or adjacent to** proposed areas of infrastructure or site alteration, we recommend that MNR be contacted to provide advice on further assessment requirements. This contact with MNR should be on a comprehensive basis, not site by site.

Of particular concern to MNR would be development or activities that may result in direct or indirect impacts on these significant habitats: fragmentation of habitat and increased edge effects, removal of vegetation components of the habitat, alteration of the landscape features of the habitat (from blasting, filling, grading or sedimentation), or increased activity that would affect activities of sensitive species.

Wetlands

Wetlands are an important natural resource. The ecological, social and economic benefits that can be attributed to wetlands are substantial. Wetlands maintain and improve water quality; help control flooding; provide habitat for fish and wildlife; provide conditions for a wide variety of vegetation (including rare and unusual species); and contribute to substantial social and economic benefits such as hunting, fishing, wildlife viewing and appreciation of nature in general.

Section 2.3.1(b) of the PPS directs that development and site alteration not be permitted in provincially significant wetlands (PSWs) in Ecoregions 5E, 6E and 7E. Your study area is within the identified ecoregions. Numerous wetlands have been identified as provincially significant and we ask that you consider the potential impacts of your project as you determine the preferred location of specific infrastructure and site alteration. These wetlands are identified in the MNR OLID database.

Section 2.1.6 of the PPS directs that development and site alteration not be permitted on lands **adjacent** to PSWs unless there has been an evaluation and "it has been demonstrated that there will be no negative impacts on the natural features or on their ecological functions". MNR's Natural Heritage Reference Manual recommends that all lands within 120 metres of a PSW be considered adjacent lands.

Beyond PSWs, wetlands in general provide a wide range of values, including in some locations critical habitat for numerous endangered and threatened species, species of special concern, and other wildlife. MNR therefore strongly encourages that Hydro One generally protect all wetlands to the extent possible.

As is noted later in this report, the province's Greenbelt Plan identifies that all wetlands within that planning area should be considered "key natural heritage features" and "key hydrologic features", and accordingly be protected. MNR recommends that you use the "identified wetland layer" in OLID to locate these wetlands.

For wetlands without a significant treed component, there may be minimal impacts from an over-head transmission corridor. Of particular concern for such wetlands would be direct or indirect impacts from site alteration in or adjacent to the wetland to accommodate a tower, or access road or trail (filling, grading, sedimentation or blasting). For wetlands with a treed component, potential impact of the removal of trees should be assessed.

Significant Woodlands

Woodlands perform a number of ecological functions, including protection of both water quality and water quantity, protection of air quality, provision of significant habitat for a wide range of species, and helping to maintain the temperature regime and water quality of coldwater streams. They also provide a range of social and economic benefits.

Section 2.1.4(b) of the PPS directs that development and site alteration not be permitted in significant woodlands in this area unless it has first been demonstrated that there will be no negative impacts on the natural features or their ecological functions.

Significant woodlands have in some cases been identified by municipalities and/ or conservation authorities. However, given the range of potential values, and likely overlap with other PPS values, MNR strongly encourages Hydro One to protect woodlands in general as much as possible. Wooded areas are identified in MNR's OLID database.

Section 2.1.6 of the PPS directs that development and site alteration not be permitted on lands **adjacent** to significant woodlands unless the ecological function of the adjacent lands has first been evaluated and this evaluation has demonstrated that there will be no negative impacts on the natural features or their ecological functions. MNR's Natural Heritage Reference Manual recommends that all lands within 50 metres of significant woodlands be considered adjacent lands.

Woodlands are particularly vulnerable to negative impacts from transmission corridors because of the interference of high trees. Please note that significant negative impacts occur not only as a result of the direct loss of treed areas, but also from fragmentation of woodlands and increased edge effect which have significant ecological consequences.

Significant Valleylands

Valleylands may perform a number of ecological functions, including providing short-term storage for storm and meltwaters, protecting water quality, providing springs and other seepage areas which are critical to the maintenance of stream flows and water levels, providing important fish and wildlife habitat, forming important natural linkages between different habitat features, and providing important wildlife travel corridors. They may also provide important cultural, recreational and economic values. In some areas, valleylands may be the only remaining natural areas.

Section 2.1.4(c) of the PPS directs that development and site alteration not be permitted in significant valleylands in this area unless it has first been demonstrated that there will be no negative impacts on the natural features or their ecological functions.

Significant valleylands have in some cases been identified by municipalities and/ or conservation authorities. However, given the range of potential values, and likely overlap with other PPS values, MNR strongly encourages that Hydro One protect valleylands in general to the extent feasible. Within the Greenbelt Plan planning area, valleylands often contain "key hydrologic features" which that plan directs be protected (over and above significant valleylands).

Section 2.1.6 of the PPS directs that development and site alteration not be permitted on lands **adjacent** to significant valleylands unless the ecological function of the adjacent lands has first been evaluated and this evaluation has demonstrated that there will be no negative impacts on the natural features or their ecological functions. MNR's Natural Heritage Reference Manual recommends that all lands within 50 metres of significant valleylands be considered adjacent lands.

Significant Wildlife Habitat

Significant wildlife habitat is defined as areas where plants, animals and other organisms live, and find adequate amounts of food, water, shelter and space needed to sustain their populations. The protection and management of wildlife habitat is fundamental to the maintenance of self-sustaining populations of wildlife, and thus, to biodiversity. Significant wildlife habitat also provides recreational values, including wildlife viewing and hunting opportunities.

Policy 2.1.4(d) of the PPS directs that new development and site alteration in significant wildlife habitat only be permitted if it has first been demonstrated that there will be no negative impacts on the natural features or the ecological functions for which the area is identified.

Significant wildlife habitats may include areas where there are:

- Seasonal concentrations of animals, e.g. deer wintering areas, heronries, waterfowl concentration areas;
- Specialized habitats and centres of diversity; or
- Habitats of species of "special concern" and other significant wildlife habitat (e.g. provincially rare plants, reptiles, amphibians or birds, or nests of raptors such as osprey and red-shouldered hawk). Species of "special concern" are formally listed in MNR's "Species at Risk in Ontario" list (list previously discussed under Endangered and Threatened Species).

Policy 2.1.6 of the PPS directs that no new development or site alteration should occur on lands **adjacent** to significant wildlife habitat unless an evaluation of the ecological function of the adjacent lands has first determined that there will be no negative impacts on the natural features of ecological functions of the value.

The MNR recommends that generally a minimum width of 50 metres adjacent to habitat of species of special concern or other sensitive species be considered in determining whether development will have a negative impact. However, depending on the type of significant wildlife habitat that exists, a greater or lesser width may be required to adequately protect the habitat value.

The general location of sightings of species of conservation concern is available from MNR's Natural Heritage Information Centre (NHIC), identified as "element occurrences". The relevant MNR District office may be contacted (see "MNR Contacts" section later in this report) to provide additional information on identified element occurrences; MNR should be contacted with a comprehensive list of the element occurrences, rather than for individual occurrences.

The OLID database identifies known deer wintering habitats (deer yards). Some additional areas of significant wildlife habitat will have been identified by municipalities and/ or conservation authorities as Environmentally Significant Areas (or a similar term). The MNR District Offices may also have additional information for your study area that they will provide to you. However, it is MNR's view that this

information should not be considered to be complete, given the unfeasibility of MNR or any other any agency inventorying all such small scale habitats across the province. Accordingly, general site assessment is critical to identify the location or potential location of areas of significant wildlife habitat, in order to ensure that these habitats can be protected.

Of particular concern to MNR are activities that would result in direct or indirect impacts on these significant habitats: fragmentation of habitat and increased edge effect, removal of vegetation components of the habitat, alteration of the landscape features of the habitat (from blasting, filling, grading or sedimentation), or increased activity that would affect activities of sensitive species.

Areas of Natural and Scientific Interest

The term Area of Natural and Scientific Interest (ANSI) means an area of land and water containing natural landscapes or features that have been identified as having life science or earth science values related to protection, scientific study or education. Identification of ANSIs is carried out by MNR based on provincial evaluation programs, to protect a wide range of representation values.

Policy 2.1.4(e) of the PPS directs that new development and site alteration in provincially significant ANSIs only be permitted if it has first been demonstrated that there will be no negative impacts on the natural features or the ecological functions for which the area is identified. The boundaries of ANSIs are identified in the OLID database.

Policy 2.1.6 of the PPS directs that no new development or site alteration occur on lands **adjacent** to significant wildlife habitat unless a site evaluation of the ecological function of the adjacent lands has first determined that there will be no negative impacts on the natural features of ecological functions of the value. MNR recommends that generally a minimum of 50 metres adjacent to ANSIs be considered adjacent lands.

The sensitivity of ANSIs varies depending upon the specific values for which the significance of the site is based. If the proposed route would be in or adjacent to any ANSI, please advise us and we will provide you with the relevant information detailing the identified values of the site. Generally, earth science ANSIs are the least sensitive to development and site alteration. Life science values would generally be most at risk from fragmentation of habitat and increased edge effect, removal of the vegetation components of the ANSI, or alteration of the landscape features (from blasting, filling, grading or sedimentation).

Fish Habitat

The federal Fisheries Act defines fish habitat as “spawning grounds and nursery, rearing, food supply, and migration areas on which fish depend directly or indirectly in order to carry out their life processes”. Lakes, rivers, streams, ponds and many wetlands provide fish habitat. Intermittent and seasonally flooded areas can also provide important habitat for some fish species at certain times of the year. In addition, in-water structures such as logs, stumps and other woody debris, pools and riffle areas, riparian and aquatic vegetation areas and ground water recharge/discharge areas also provide habitat. Fish habitat includes the watercourses that act as corridors that enable fish to move from one area to another.

Policy 2.1.5 of the PPS directs that new development and site alteration not be permitted in fish habitat except in accordance with provincial and federal requirements. Amongst other requirements, Section 35(1) of the federal Fisheries Act directs that “No person shall carry on any work or undertaking that results in the harmful alteration, disruption or destruction of fish habitat.”

While mapping of watercourses may be helpful to identify locations of fish habitat, some types of fish habitat, such as intermittent and seasonally inundated areas, can only be identified through site assessment.

MNR District Offices and conservation authorities may have local records or other information related to your study area that they can provide to you.

Policy 2.1.6 of the PPS directs that development and site alteration **adjacent** to fish habitat should also not be permitted "unless the ecological function of the adjacent lands has been evaluated and it has been demonstrated that there will be no negative impacts on the natural features or the ecological functions for which the area is identified."

MNR recommends that adjacent lands should generally be considered those areas within 30 metres of fish habitat. This distance is recommended because it encompasses an area which, if developed without adequate controls, is reasonably expected to result in impacts on adjacent fish habitat. However, depending upon slopes, surficial geology, vegetation cover and activities proposed, an increased distance may be appropriate.

Of particular concern would be activities that would result in direct or indirect impacts on fish habitat: site alteration or development in fish habitat itself, or site alteration or development outside of fish habitat that could result in sedimentation of fish habitat or movement of a deleterious substance into fish habitat. Coldwater streams have a particular sensitivity, since they depend upon the maintenance of adjacent tree cover and protection of inflowing springs to protect the temperature regime and water quality. Coldwater streams are generally identified by MNR in the OLID database. However, we recommend that site assessment of other watercourses be carried out should any activities be proposed in or adjacent to a stream that has not been identified as a coldwater stream, to ensure that you are using complete information.

Beyond the PPS direction, should Hydro One propose any work that might result (either directly or indirectly) in harmful alteration, disruption or destruction of fish habitat, you are required to contact the Department of Fisheries and Oceans for direction.

Mineral Aggregates

The term "mineral aggregates" refers to gravel, sand and various types of bedrock that are suitable for construction, industrial, manufacturing and maintenance purposes. Mineral aggregates are a non-renewable resource. There are no substitute resources that are available in the same quantity or at a similar reasonable cost. All land use approval authorities in Ontario share a responsibility for ensuring that new land use development does not unnecessarily impede extraction from existing pits and quarries, or future extraction from significant mineral aggregate deposits.

Policy 2.5.2.4 of the PPS directs that existing mineral aggregate operations be protected from development and from activities that would preclude or hinder their expansion or continued use or which would be incompatible for reasons of public health, public safety or environmental impact.

Policy 2.5.2.5 provides the same direction for deposits of mineral aggregate resources.

Pits and quarries in this part of the province must be licenced by MNR, under the Aggregate Resources Act. All licenced pits and quarries are identified in the OLID database.

Significant aggregate deposits are identified in Aggregate Resources Inventory Program (ARIP) reports, which are available for parts of the province. This information may be helpful to you in making decisions on the location of specific development associated with the expanded corridor (e.g. if the environmental impacts are otherwise the same, we recommend that new development occur in areas with less significance for mineral aggregates where feasible). We suggest that you contact the Ministry of Northern Development and Mines for this information. Should you wish to determine if digital ARIP mapping is available, we suggest that you contact James Boyd, Geoscience Data Specialist at MNDM (telephone: 705-670-5777).

GREENBELT PLAN:

In addition to PPS considerations, the project will cross lands that fall within areas covered by the Greenbelt Plan. The Greenbelt Plan provides direction that Hydro One must consider in carrying out this project. A link to the plan is provided: http://www.mah.gov.on.ca/userfiles/HTML/nts_1_22087_1.html

Section 4.2 of the Greenbelt Plan deals with infrastructure development in the plan area, and outlines location and design considerations for the creation and/or expansion of infrastructure. Section 4.2.1.2 directs:

"The location and construction of infrastructure and expansions, extensions, operations and maintenance of infrastructure in the Protected Countryside, are subject to the following:

a) Planning, design and construction practices shall minimize, wherever possible, the amount of the Greenbelt, and particularly the Natural Heritage System, traversed and/or occupied by such infrastructure;
b) Planning, design and construction practices shall minimize, wherever possible, the negative impacts and disturbance of the existing landscape, including, but not limited to, impacts caused by light intrusion, noise and road salt;
c) Where practicable, existing capacity and coordination with different infrastructure services is optimized so that the rural and existing character of the Protected Countryside and the overall urban structure for southern Ontario established by Greenbelt and any provincial growth management initiatives are supported and reinforced;
d) New or expanding infrastructure shall avoid key natural heritage features or key hydrologic features unless need has been demonstrated and it has been established that there is no reasonable alternative; and
e) Where infrastructure does cross the Natural Heritage System or intrude into or result in the loss of a key natural heritage feature or key hydrologic feature, including related landform features, planning, design and construction practices shall minimize negative impacts and disturbance on the features or their related functions, and where reasonable, maintain or improve connectivity."

A significant portion of the study area within the Regional Municipality of Halton falls within the Greenbelt Natural Heritage System. Further, there are numerous key natural heritage features and key hydrologic features within the study area, which are defined as indicated below:

Key Natural Heritage Features:

- Significant habitat of endangered species, threatened species and special concern species;
- Fish habitat;
- Wetlands (i.e., evaluated and unevaluated);
- Life Science Areas of Natural and Scientific Interest (ANSIs);
- Significant valleylands;
- Significant woodlands;
- Significant wildlife habitat;
- Sand barrens, savannahs and tallgrass prairies; and
- Alvars

Key Hydrologic Features:

- Permanent and intermittent streams;
- Lakes (and their littoral zones);
- Seepage areas and springs; and
- Wetlands

CROWN LAND MANAGEMENT:

MNR is responsible for the management of Crown land under the *Public Lands Act*. This includes acquisition, disposition and management of Crown lands and waters. The Ministry is responsible for managing Crown assets in the best public interest.

Crown lands are generally shown in the OLID database, except that small slivers of Crown land are not identifiable. Please note that the Beds of Navigable Waters Act directs that the beds of navigable waterbodies are Crown land unless those lands have been expressly granted by the Crown.

As is discussed in detail under the "Permit Requirements" section of this report, there is a requirement for specific approval from MNR should there be a proposal for:

- site alteration on Crown lands; or
- infrastructure on or over Crown lands.

MNR RECOMENDATIONS FOR SITE ASSESSMENT:

MNR recommends that Hydro One implement the following levels of site assessment to identify natural heritage features:

1. Existing data sets may help Hydro One sieve out developed lands that do not have natural vegetation, and therefore are unlikely to have natural heritage features.
2. For all lands that contain areas of natural vegetation (including natural hedgerows), MNR recommends that an on-the-ground biological overview be carried out by a well-rounded, qualified biologist for the following areas, to determine whether these areas potentially have natural heritage areas or features:
   a) Where a tower, new road or trail, or water crossing would be proposed, a detailed level of assessment would be necessary to identify any natural heritage values **in or adjacent to** the disturbed area.

      The number of seasons of field work needed for detailed site assessment would depend upon the habitat types potentially affected.

   b) For the remainder of the corridor, the level of site assessment would depend upon whether or not there is tree cover and Hydro One's intent to alter the natural vegetation and landscape.
3. The biologist would determine whether more detailed site evaluation for a particular value or species is warranted. For certain values, the more detailed assessment could only be adequately carried out by a specialist (e.g. botanist, herpetologist, wetland specialist).

MNR recommends that Hydro One use the results of the site assessment to determine which side of the existing transmission corridor is most appropriate for new transmissions lines, fine-tuning the width of the expanded corridors and for siting the location of transmission towers, access roads and trails, and water crossings. The final determination of these locations should ensure that potential impacts on the PPS and Greenbelt values are minimized.

PERMIT REQUIREMENTS:

Approval from MNR would be required under the following legislation:

1. **Fish and Wildlife Conservation Act**, which sets out permitting requirements for the following:
   - Fish Scientific Collectors Permit (e.g., electrofishing as part of a natural heritage inventory); and
   - Wildlife Scientific Collection Authorization is required for any wildlife research (e.g., netting of animals, genetic testing, marking, tagging, etc.). Before this permission is issued, an "Animal Care Protocol" must be submitted with an application to MNR. This protocol must be approved by MNR before the authorization is issued.

   These permits usually require 6-8 weeks to process, which should be factored into your site assessment schedule.

2. **Public Lands Act** for any site alteration on Crown lands or any infrastructure on or over Crown lands. Note that the Beds of Navigable Waters Act directs that the beds of navigable waterbodies are Crown land unless those lands have been expressly granted by the Crown.

   At this point, we assume that the proposed project will include site alteration or infrastructure on or over some areas of Crown land. MNR can issue approvals to Hydro One under the Public Lands Act only after Hydro One has met its EA requirements (which will satisfy MNR's EA requirements), and after MNR's "duty to consult" with First Nations has been met. Authorization of new transmission lines crossing Crown lands (including the Crown bed of a waterbody) will be by Land Use Permit. The specific locations of Crown land covered by your project will be reviewed by each MNR District and will be added to Hydro One's Provincial Land Use Permit after MNR has been advised in writing how Hydro One has met its EA obligations and on satisfactory completion of MNR's duty to consult with First Nations.

   Regarding MNR's duty to consult with First Nations:

   - It is our view that the **entire** proposal related to Hydro One's project should be shared with the appropriate First Nations, rather than pieces of it coming from different agencies.
   - We, therefore, suggest that Hydro One initiate the sharing of information with the appropriate First Nation communities and collect any responses that they may provide, subject to the following arrangement:
     - MNR will work with Hydro One to determine which communities should receive this information.
     - MNR and Hydro One will jointly draft correspondence seeking input from these communities.
     - Any correspondence received by Hydro One from First Nations related to Crown lands will be shared with MNR.
     - Should concerns be raised by First Nations related to Crown lands, MNR and Hydro One will jointly follow up to address the concerns as appropriate.

   We ask for a follow-up telecon discussion to confirm the details of our working arrangement on this matter.

MNR CONTACTS:

Contact with MNR should generally be co-ordinated through:

Dorothy Shaver, Acting Senior Planner
Southern Region Planning Unit

Telephone: 705-773-4231
e-mail: dorothy.shaver@ontario.ca

To request more detailed information about NHIC element occurrences or ANSIs, or to query specific data in the OLID database, individual MNR Districts may be contacted:

Aurora District: Steven Strong, Acting District Planner
Telephone: 905-713-7366
e-mail: steven.strong@ontario.ca

Guelph District: Mike Stone, District Planner
Telephone: 519-826-4912
e-mail: mike.stone@ontario.ca

Midhurst District: Kathy Woeller, District Planner
Telephone: 705-725-7546
e-mail: kathy.woeller@ontario.ca

Acton
Georgetown
Esquesing

Town of Halton Hills
Office of the Mayor
Rick Bonnette

March 6, 2007

SENT BY FAX (416-345-6600)
AND BY MAIL

Hydro One Networks Inc.
483 Bay Street
15th Floor Reception
TORONTO, Ontario
M5G 2P5

Attention: Mr. Michael Sheehan,
Vice-President, Facilities and Real Estate

Dear Mr. Sheehan:

Re: Transmission Project – Hydro One – Twinning of 500 kv Corridor from Bruce to Milton

First, let me thank you and your colleagues from the Ontario Power Authority and Hydro One for meeting with myself and Councillors Hurst, Lewis, O'Leary, Robson and Somerville being the Members of Council for the Wards affected by Hydro One's proposed project to twin the 500 kv corridor from Bruce to Milton through Halton Hills, in order to bring new power being generated in the Bruce area to the Greater Toronto Area.

You and your colleagues indicated that the Ontario Power Authority and Hydro One had considered all other alternatives to the twinning of the 500 kv corridor from Bruce to Milton, through Halton Hills, but that the twinning of the 500 kv corridor through Halton Hills was the only reasonable alternative from a timing and cost perspective.

You also indicated that the proposed project would impact at least 63 or more landowners, both residential and industrial/commercial, by virtue of the need to increase the size of the existing corridor to the east by 175 to 200 feet in order to accommodate the new twin towers to be erected as part of the proposed project.

-3

Needless to say, my colleagues and I would have preferred that Hydro One would have selected a different route which would not have necessitated the

erection of new towers in Halton Hills, and impacted so many property owners throughout Halton Hills. In addition to the serious impact on the Town's agricultural and rural areas and the various residents, the impact is also very significant for the Town's new 401 Prestige Industrial Corridor. The area is presently serviced and readily available for industrial/commercial development. In part it is also the Gateway for the 401 Prestige Industrial Corridor. This makes the area affected amongst the most valuable of the industrial/commercial lands in the Corridor.

We trust that you will be open and transparent with all of the landowners to be affected; be they farmers, rural residents, or business owners or developers. We also expect you will be very generous in your approach to compensation to those affected; as well we hope you will make every effort to minimize the effect of the proposed project on those nearby, should the project proceed, even if they are not due any compensation.

I will be recommending to Town Council that we monitor the progress of the proposed project carefully, and that we indicate full public support for the affected landowners of Halton Hills in terms of their dealings with Hydro One to try and ensure that they are all dealt with fairly.

With respect to the Town itself, I trust that the Ontario Power Authority and Hydro One will also be offering compensation to the Town for its loss of industrial/commercial assessment by virtue of the significant change required to the 401 Prestige Industrial Corridor in that location and the reduction in the Gateway Designation. The changes being made by your proposed project will reduce the amount of assessment, and therefore, the important industrial and commercial property taxes the Town might otherwise have expected from those lands.

Please keep the Town informed as to the progress of the proposed project and as to the dealings with the affected landowners in Halton Hills on a regular basis.

Sincerely,

Rick Bonnette

Mayor Rick Bonnette.

Cc: All Members of Council

Hydro One Networks Inc.
483 Bay Street, 14th Floor, North Tower
Toronto, Ontario, Canada
M5G 2P5

April 25, 2007

Mayor Rick Bonnette
Town of Halton Hills
1 Halton Hills Drive,
Halton Hills (Georgetown), ON
L7G 5G2

Dear Mayor Bonnette:

Re: 500 kV Transmission Line Project – Hydro One – Bruce to Milton

Thank you for your March 6th letter and for the opportunity to meet with you and your colleagues on the new transmission line proposal through the community of Halton Hills.

As a follow-up to our telephone conversation, Hydro One has developed a design solution for the proposed Bruce to Milton transmission line that incorporates utilization of the existing provincially-owned hydro corridor through the industrial lands adjacent to Steeles Avenue. This corridor is oversized and will accommodate the technical alignment of the new line without the requirement for additional easement rights on the adjacent development properties. Both adjacent property owners have been made aware of the new solution and we assume that they are continuing to proceed with their projects in keeping with planning and development procedures of the Town.

To keep you updated on the project, an initial information notice letter was sent to all 43 impacted property owners in Halton Hills dated March 29, 2007 and the official notice letter on the Leave to Construct S. 92 Application to the Ontario Energy Board was mailed to property owners and encumbrancers April 23, 2007. Discussions have already begun with some property owners in Halton Hills and our intention is to continue discussions through the OEB and Environmental Assessment processes. Hydro One will treat the owners directly impacted by the new corridor widening in a fair, open and consistent manner throughout.

Sincerely,

Mike Sheehan
Vice-President – Facilities & Real Estate
Hydro One Networks Inc.

TOWN OF ERIN

#5684 Wellington Rd. #24, R.R. #2
Hillsburgh, Ontario N0B 1Z0

Clerk's Department

TEL: (519) 855-4407
FAX: (519) 855-4821
E-mail: kathryn.ironmonger@town.erin.on.ca

April 26, 2007

Hydro One Networks Inc.
483 Bay Street
South Tower, 8th Floor
Toronto, ON M5G 2P5

Attention: Enza Cancilla, Manager
Public Affairs

Dear Sir,

The Bruce to Milton Transmission Reinforcement Project was discussed by Council at the meeting held April 24th, 2007.

Town of Erin Council supports the Township of East Garafraxa's concern over the relocation of the Orton Park due to the construction of the new transmission line. Council is aware that the towers will not be located on the parkland but are very concerned for the safety of the park users at the many annual events held there. Many of our residents participate in the special events organized at the park, or just go to enjoy the green space of the park area.

The overhead lines in close proximity limit the use of the park for many annual community activities and make it impossible for kite flying, the fireworks displays and bonfires that take place at these events, therefore limiting the use of the park.

The Council for the Town of Erin supports the Township of East Garafraxa and asks that Hydro One replace the Orton Park so that the residents may continue to have a safe recreational park for the community to enjoy without any danger.

Thank you very much.

Yours truly,

Kathryn Ironmonger, C.M.M.I.I.I.
Clerk

Cc: Township of East Garafraxa

KI/cc

Ministry of Culture Ministère de la Culture

Programs and Services Branch
400 University Ave, 4th Fl.
Toronto, ON M7A 2R9

Direction des programmes et des services
400 Ave. University, 4. étage
Toronto, ON M7A 2R9

Ontario

Tel:(416) 314-7143 Fax:(416) 314-7175

May 4, 2007

Dr. Carla Parslow
Archaeological Services Inc.
528 Bathurst Street
Toronto, Ontario
M5S 2P9

RE: Concurrence with Report Entitled, "Stage 1 Archaeological Assessment, Transmission Out of Bruce, Colbeck x Essa, Counties of Dufferin and Simcoe, Ontario", MCL File HD00067

Dear Dr. Parslow:

This office has had the opportunity to review the above-noted Stage 1 archaeological assessment report prepared your firm (Licence/PIF # P243-010-2007). The report notes that some of the subject lands display archaeological potential and, therefore, recommends that a Stage 2 archaeological assessment be carried out for these areas. In addition, for the lands determined to have no potential based on the map-based review, field verification should occur. This Ministry concurs with these recommendations.

Please do not hesitate to contact us if you require further information.

Sincerely,

Shari Prowse
Archaeology Review Officer
Culture Programs Unit

cc. MCL Archaeology Licence Office
Hydro One Networks Inc.

Ontario's Niagara Escarpment
l'Escarpement du Niagara de l'Ontario

Ontario

Niagara Escarpment Commission
232 Guelph Street
Georgetown ON L7G 4B1
Tel. No. (905) 877-5191 - Fax No. (905) 873-7452

Commission de l'escarpement du Niagara
232, rue Guelph
Georgetown ON L7G 4B1
N° de tel. (905) 877-5191 - Télécopieur (905) 873-7452
www.escarpment.org

May 9, 2007

Brian McCormick, Manager
Environmental Services and Approvals
Hydro One Networks Inc.
483 Bay Street
6597
North Tower, 13th Floor
Toronto, ON M5G 2P5

RE: BRUCE TO MILTON TRANSMISSION REINFORCEMENT PROJECT

Dear Mr. McCormick,

Thank you for notifying the Niagara Escarpment Commission that Hydro One has initiated an Environmental Assessment (EA) for proposed transmission facilities between the Bruce Nuclear Power Complex and the Milton Switching Station.

NEC staff met with your Hydro One team, at our offices on December 11, 2006, to discuss the EA and to provide preliminary information regarding Niagara Escarpment Plan policies. More recently, we have provided information to Mr. Paul Shelton regarding Niagara Escarpment landscape values and visual assessment.

The NEC has an ongoing interest in the proposed undertaking.

Kindly ensure that we remain on your project mailing list and keep us advised of all developments as you proceed through the EA process.

We would be pleased to meet with your staff and your consultants, at any time, to answer any questions you might have regarding how your team should be addressing Niagara Escarpment Plan policies in this EA.

I will be the main NEC contact. You can contact me at (905) 877-3794, or Ken Whitbread at (905) 877-4026, in the event that I am unavailable.

Sincerely,

Neil Hester
Senior Strategic Advisor
Niagara Escarpment Commission

EO 29

The Corporation of the Municipality of Brockton

MUNICIPAL OFFICE
100 SCOTT ST., BOX 68
WALKERTON, ON
N0G 2V0

May 22, 2007

Enza Cancilla
Hydro One
43 Bay St.,
South Floor
Toronto, ON M5G 2P5

Re: Concerns Regarding the Bruce to Milton Power Corridor

Ms. Cancilla:

Please find enclosed Resolutions #07-10-200 and #07-10-201 of the Municipality of Brockton dated May 14, 2007 wherein the Council of the Corporation of the Municipality of Brockton expresses their concerns regarding the Bruce to Milton power corridor.

Yours truly,

MUNICIPALITY OF BROCKTON

Richard Radford
CAO/Clerk

RR:gm

TEL (519) 881-2223 FAX (519) 881-2991 EMAIL: info@brockton.ca
TOLL FREE # 1-877-885-8084 WEBSITE: town.walkerton.on.ca

The Corporation of the Municipality of Brockton

NO. 07- 10-200 .

MOVED BY: [signature] SESSION May 14 , 2007

SECONDED BY: [signature]

Whereas as several people will lose their homes to the proposed Bruce-Milton power corridor be it resolved that the Muncipality of Brockton request that the Energy Minister and Hydro One properly inform the people how they may appeal the proposed power corridor.

MEMBER OF COUNCIL	YEA	NAY
ANSTETT, Roland		
BAGNATO, Charlie		
GIERUSZAK, Dan		
INGLIS, David		
MANCELL, Tim		
PEABODY, Christopher		
REIDL, Charles		
TOTALS		

CARRIED C Bagnato

DEFEATED _____

The Corporation of the Municipality of Brockton

NO. 07-10-201.

MOVED BY: Tim Peabody SESSION May 14, 2007

SECONDED BY: Dan Inglis

Whereas the proposal to reinforce the power corridor from Bruce to Milton will lead to the demolition of several houses in Brockton and whereas the construction of the corridor will also erode property values which will lead to a loss in assessment be it resolved that the Municipality of Brockton seek financial compensation for lost assessment from Hydro One.

MEMBER OF COUNCIL	YEA	NAY
ANSTETT, Roland		
BAGNATO, Charlie		
GIERUSZAK, Dan		
INGLIS, David		
MANCELL, Tim		
PEABODY, Christopher		
REIDL, Charles		
TOTALS		

CARRIED C. Bagnato

DEFEATED

The Corporation of the Municipality of Brockton

MUNICIPAL OFFICE
100 SCOTT ST., BOX 68
WALKERTON, ON
N0G 2V0

June 1, 2007

Enza Cancilla
Hydro One
43 Bay St.,
South Floor
Toronto, ON M5G 2P5

Re: Concerns Regarding the Bruce to Milton Power Corridor

Ms. Cancilla:

Further to the May 14th, 2007 motions passed by Brockton Council regarding concerns over the Bruce–Milton power corridor please find enclosed Resolution #07-11-235 of the Municipality of Brockton dated May 28, 2007. The Council of the Corporation of the Municipality of Brockton continues to be concerned regarding the Bruce to Milton power corridor and calls on Hydro One to hold public meetings in the affected areas, fund legal representation for those adversely affected and compensate municipalities for lost assessment.

Yours truly,

MUNICIPALITY OF BROCKTON

Richard Radford
CAO/Clerk

RR:gm

TEL (519) 881-2223
TOLL FREE # 1-877-885-8084
FAX (519) 881-2991
EMAIL: info@brockton.ca
WEBSITE: town.walkerton.on.ca

The Corporation of the Municipality of Brockton

NO. 07-11-235 .

MOVED BY: Roland Anstett SESSION May 28, 2007

SECONDED BY: Chris Peabody

Whereas the construction of the Bruce-Milton power corridor will result in the demolition and destruction of numerous properties in Brockton; and

Whereas the Council of Brockton is concerned about the apparent lack of due process in the Environmental Assessment;

Be it resolved that the Council of the Municipality of Brockton call on Hydro One to:

- Hold public meetings in the affected areas
- Fund legal representation for those adversely affected
- Compensate municipalities for lost assessment
- Distribute this motion to AMO.

MEMBER OF COUNCIL	YEA	NAY
ANSTETT, Roland		
BAGNATO, Charlie		
GIERUSZAK, Dan		
INGLIS, David		
MANCELL, Tim		
PEABODY, Christopher		
REIDL, Charles		
TOTALS		

CARRIED Charlie Bagnato

DEFEATED _____

Tom Nevills, Councillor
General Delivery, Orton ON L0N 1N0
Township of East Garafraxa

June 8, 2007

Ms. Enza Cancilla
Manager, Public Affairs
Hydro One Networks Inc.
483 Bay St., South Tower, 8th Floor
Toronto ON M5G 2P5

Dear Ms. Cancilla

I am contacting you in order to follow up on a number of land issues that were discussed during the afternoon of May 3rd, 2007 prior to the open house held at the Marsville Hall, Township of East Garafraxa. You may recall our discussion, as I was the last Councillor to leave that day and as such had the attention of everyone present from Hydro One.

There were three basic issues that were addressed:

- The community parks at Orton on the Erin East Garafraxa Townline
- The property of Mr. and Mrs. Willis Crane at County Road 109
- The general need for openess and fairness for all other affected property owners in the Township

I would first like to congratulate Hydro One for the expeditious manner in which you have moved forward to find a resolution to the Orton Community Park issue. Although this may be far from complete, preliminary reports certainly indicate that it is moving quickly to reach a satisfactory solution.

In regards to the other issues, I am disappointed that as of today it would appear that little, if any, effort has been shown on the part of Hydro One.

In the case of the Crane's, we explicitly discussed the fact that being an elderly couple who have lived at their present location for over 25 years and in the area for a lifetime, that they should not experience any undo stress and anxiety at this point in their lives. While I realize that no specific commitments were made, the tone of the discussion with both Gary Schneider and Mike Sheehan was that Hydro One would arrange to meet with the Crane's, determine what option best suited them and then proceed to get it done. I understand that the new expanded power corridor will extend across their driveway and put new power lines within 100 feet of their home. As such, it would appear necessary to expropriate their entire property. In a conversation with their son, Mr. Ron Crane today, it appears that there are many options including but not limited to:

- Outright purchase at fair market value with a lease back or rental agreement allowing them to continue to live there until such a time as the new line is built, if not beyond
- A swap of land, which is permitted under the expropriation act to allow them to build elsewhere in near by vicinity

I would urge Hydro One to move forward with the Cranes in order to resolve this issue as soon as possible and allow them to get back to living their lives in peace and certainty.

I would urge Hydro One to move forward with the Cranes in order to resolve this issue as soon as possible and allow them to get back to living their lives in peace and certainty.

The last issue of course relates to all other affected landowners. From several meetings that I have attended, it appears the overriding desire is for landowners to be treated justly and fairly. To this point I believe that no one has been approached to start this process. I do understand that Hydro One must take the legal steps in order to proceed with the necessary expropriations. However, this should not preclude you from having discussion that would indicate a "good faith" approach to dealing with our affected landowners and I urge you to do so.

Should you feel that either myself or our council can be of assistance in facilitating this process, please to not hesitate to contact me.

I look forward to your timely and positive response.

Sincerely,

Tom Nevills
Councilor of East Garafraxa

PROTECTING THE NATURAL ENVIRONMENT FROM LAKE TO ESCARPMENT

2596 Britannia Road West
R.R. #2 Milton Ontario L9T 2X6
(905) 336-1158 Fax (905) 336-7014
Internet Address: www.conservationhalton.on.ca E-mail: admin@hrca.on.ca

June 12, 2007

Ms Enza Cancilla
Manager, Public Affairs
Hydro One Networks Inc.
483 Bay Street, 8th Floor, South Tower
Toronto, ON M5G 2P5

Re: Hydro One Bruce to Milton
Transmission Reinforcement Project
CH File: PPR 120

Staff of Conservation Halton have reviewed the Notice of Commencment for the above noted project and offer the following comments.

A portion of the existing transmission line, and therefore the study area, is within Conservation Halton's watershed. The study area traverses many natural heritage features and functions as well as natural hazards. The following is a brief list of features and functions that may be impacted by the proposed works and staff recommend that Hydro One take these into consideration when determining the appropriate route/location for towers.

- Provincially and locally significant wetlands;
- Threatened and endangered species habitat – redside dace (Provnicially threatened, Federally Special Concern) and milk snake (Special Concern) are two known species within the study area. Staff recommend you contact the Ministry of Natural Resources for more detailed information.
- significant woodlands as identified by the Region of Halton;
- fish habitat, including coldwater fish habitat where there are brook trout and rainbow trout records. Staff assume that the Department of Fisheries and Oceans will be involved in the review of this project through the Canadian Environmental Assessment Act;
- significant valleylands;
- groundwater recharge and discharge areas are likely present;
- headwaters of the Sixteen Mile Creek and its tributaries.;
- wildlife corridors and linkages; and,
- areas regulated by Conservation Halton including watercourses, meander belts, flood plains, wetlands and valleylands. While staff understand that Hydro One does not require Permits from Conservation Halton, please find enclosed a copy of our policy document for guidance with respect to expectations within this watershed when proposing works within these areas.

The following documents should be referenced for background environmental information in the study area:

- Sixteen Mile Creek Watershed Plan, Gore and Storrie, 1996, prepared for the Region of Halton;
- Sixteen Mile Creek 2 & 7 Subwatershed Study, Philips Engineering, 2000, prepared for the Town of Milton;
- Halton Hills 401 Corridor Scoped Subwatershed Study, Dillon Consulting, 2000, prepared for the Town of Halton Hills.

The Environmental Assessment should include a detailed inventory of existing vegetation along with protection/mitigation measures.

In addition to the above, Conservation Halton is a landowner within the study area.

We trust the above is of assistance. If you require additional information please contact the undersigned at extension 266.

Yours truly,

Jennifer Lawrence
Coordinator, Environmental Planning

cc: Ms Anne Dawkins, Town of Milton, Planning, fax
Ms Anita Fabac, Region of Halton, Planning, fax
Mr. Adam Farr, Town of Halton Hills, Planning, fax
Mr. John Pisapio, MNR Aurora, fax
Ms Jody Wingfield, DFO, fax

jl/c:\jensplanning\ea\provincial\hydro one Milton to bruce ppr 120\comments.doc

Hydro One Networks Inc.
www.HydroOne.com

Sent by Fax Original sent by Royal Mail

May 23, 2007

Mississaugas of the New Credit First Nation
Chief Bryan LaForme
2789 Mississauga Road, R.R. #6
HAGERSVILLE, Ontario N0A 1H0

Re: Bruce to Milton Transmission Project

Dear Chief LaForme:

I am writing in reference to Mike Sheehan's letter to you, dated March 28, 2007 along with my discussions with Margaret Sault regarding the above noted project. As I indicated to Margaret, if you would like to have Hydro One make a formal presentation to Chief and Council (similar to the one given for the Toronto area transmission line projects), I would be pleased to co-ordinate the necessary arrangements with you based on a mutually agreeable date and time for this meeting. In addition, we could include as part of our presentation other ongoing projects such as the proposed 230 kV Woodstock Transmission Supply Project and the new Mississauga Transformer Station project.

I would like to reconfirm Mike's commitment as stated within his March 28th letter that, Hydro One is committed to working closely with you throughout the OEB and Environmental Assessment approvals process to address any concerns you may have about this project along with any others being proposed by Hydro One within the Mississaugas of the New Credit land claim and treaties' areas.

Please contact me at (905) 946-6249 should you want us to make the presentation of the Bruce to Milton project and if appropriate, the other Hydro One projects or if any have any questions or concerns.

Sincerely,

Robert S. Thomson
Real Estate Special Projects Acquisition Services Manager
Enc.

Cc: Margaret Salt

bcc: Mike Sheehan – TCT 14, Peter Gregg – TCT15, Gary Schneider – TCT15, Enza Cancilla – TCT08,
Carol-Anne Jessup – TCT13, Brian McCormick –TCT13, Gail Brearley – R32

Cabrera, Eniber

From: Bullough, Brent
Sent: Thursday, June 14, 2007 2:49 PM
To: Cabrera, Eniber
Subject: FW: OFA Meeting June 13
Attachments: Corridor Expansion Questions June 13.pdf

From: JESSUP Carol
Sent: Wednesday, June 13, 2007 1:03 PM
To: JESSUP Carol; 'Neil Currie'
Cc: 'Peddle, Shawna'; 'Prier, Peter'
Subject: RE: OFA Meeting June 13

Neil

Attached, please find the answers to the questions which you have submitted, including Hydro One's general acquisition practices. We are still interested in getting together with a small group of OFA representatives to review these questions in detail, as well as any others you would like to discuss. We are hoping to be able to set up such a meeting in early July. I will be in touch soon regarding dates. Thanks.

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HYDRO ONE TRANSMISSION CORRIDOR EXPANSION

Questions/Concerns of Landowners

1. We need to have a list of landowners whose property is affected by this proposal, so that we can work together. Hydro One should make this information available.
   As a registered intervener, the OFA will have received the complete Leave to Construct application to the Ontario Energy Board (EB-2007-0050) wherein all affected properties and their assessment roll numbers are shown on the maps attached as Land Maps, Exhibit B, Tab 6, Schedule 11. Due to privacy laws, Hydro One is unable to provide any other information about the properties.

2. When land is being appraised, what criteria are applied? i.e. land class, productive value, development potential, etc.
   The independent land appraisers hired by Hydro One will consider the present zoning, Official Plans and the highest and best use of the property when undertaking property evaluations.

3. Is the appraised value to be stated at 100% of fair market value? (we have heard that the stated value will be 75% of appraised value).
   In most cases, Hydro One is seeking a partial interest, such as an easement, for the rights to construct and maintain the transmission line on private property. Where the fee ownership remains with the property owner, the compensation will be based on 75% of the market value for the strip of land.

4. Who is doing the land acquisition negotiations for Hydro One?
   Hydro One has retained a team of property agents who will be conducting the negotiations on behalf of Hydro One.

5. What are the terms of reference or guidelines for the negotiator?
   Hydro One will undertake negotiations with a fair, open and consistent approach as it relates to the various types of property along the corridor.

6. Does the compensation pay for the entire corridor right-of-way, or only for the land removed from production under the tower base?
   The easement compensation will be based on the entire area of the right-of-way on the property.

7. Is it a one-time payment or a lease/rent agreement?
   Compensation will be paid in one lump sum payment.

8. If the house and/or barn must be torn down, does Hydro One purchase the entire farm?
   If a residence or major farm building is located within the proposed right-of-way, requiring removal, a buyout of the entire property will be offered to the property owner. In a limited number of cases, and where technically feasible, there may be an opportunity to relocate the buildings within the expanded corridor to another location on the property in consultation with property owners.

9. What happens to the portion of the farm not within the corridor – is it available for rent or purchase? Will there be a right-of-way for access to the land cut off by the corridor where it bisects a farm?
   The ownership of the corridor land after a partial taking easement remains with the property owner. The easement agreement will state that building construction cannot occur on the widened corridor but all agricultural farm production activities (e.g. crop planting and harvest, grazing etc.) may continue, subject to safety procedures being properly adhered to.

10. What value is placed on the land under the buildings – agriculture or building lot?
    The improved agricultural land rate is paid for farm properties where the highest and best use is agricultural.

11. Is the replacement value paid for the buildings being torn down?
    Yes, except as referred to in the answer to question 8 above.

12. Where no buildings exist, but there is a potential building site that would be eligible for a residence under local zoning, etc., and now it will be included in the expanded corridor, what value is placed on that building lot/site?
    Each property will be appraised based on the highest and best use at the time of the easement taking.

13. Has Hydro One received approval of its hearing for 'Early Access'?
    Not at this time. The Ontario Energy Board (OEB) is running a review and approval process for Hydro One's Early Access application. On June 5 the OEB sent out a Procedural Order which sets out the process and the timelines for its review and approval process to all individuals who responded in writing to the OEB regarding their interest in the application.

14. What are the rights and obligations of the landowner when Hydro wants early entry?
    The landowner has the right to participate in the OEB review of Hydro One's Early Access application. Even if the OEB makes an order granting Hydro One land access, Hydro One intends to give landowners

notice prior to entering property and will accommodate reasonable requests to alter the timing of access when possible. Most of the early access activities will be non-intrusive. Hydro One is required by legislation to compensate the landowner in the event that damage should occur. An approval of the early access application may impose conditions on Hydro One governing the terms of the early access. If the Early Access Application is approved by the OEB, and Hydro One is granted access to the land, the order will be binding on landowners (even those who remain opposed to the early access) as well as on Hydro One.

15. Where is the Environmental Assessment process at?
Hydro One is currently working on the draft Terms of Reference (TOR) for the Environmental Assessment and hopes to make it available for agency, First Nation and public review in July 2007. Based on the input received during the consultation period, Hydro One plans to revise the draft TOR and submit it to the Minister of Environment for review and approval. Approval for the TOR is expected in the fall of 2007.

16. When does the 'Leave to Construct' hearing proceed?
On June 5 the OEB issued a Procedural Order to all individuals who had responded to the OEB requesting status in the review and approval process for Hydro One's Leave to Construct application. The Order sets out a schedule that shows an oral hearing is planned to begin on October 22, 2007. The OEB estimates that the hearing will last for approximately three weeks.

17. Can a landowner refuse to participate/allow the corridor to cross his property?
In the case of Hydro One's Early Access Application please see the answer (above) to question 14. In the case of Hydro One's Leave to Construct Application, please see the answer (above) to question 16. Further to the answer to question 16, the landowner has opportunities to express opposition in both the Environmental Assessment process and in the Leave to Construct Application. Also see the answer to question 18 (below).

18. What is the expropriation procedure, what rights does the landowner have?
Hydro One will be applying for expropriation under section 99 of the *OEB Act* following Environmental Assessment and Leave to Construct approvals. Section 99 says that there must be a hearing of the Application, and landowners will have the right to file opposing material and evidence before and at the hearing, on appropriate grounds.

19. Is there help for individuals/groups wanting to be involved in the hearings or for negotiations?
For those participating in the OEB's review and approval process, intervenor funding is available to those parties who have asked for and

been granted intervenor status and who have been approved for costs by the OEB.

20. What are some of the key dates/deadlines?
Please see Attachment A.

ATTACHMENT A

OEB s.98 Early Access Schedule
Jun 11 07 – motion records to be filed from those parties requiring "a preliminary ruling from the Board"
Jun 18 07 – responding motion records from parties wishing to respond to motion records
Jun 25 07 – oral hearing on motions
Jul 9 07 – issues day
Jul 16 07 – interrogatory questions submitted to Hydro One Networks
Jul 23 07 – interrogatory responses filed

OEB s. 92 Leave to Construct Schedule
Jun 12 07 – motion records to be filed from those parties requiring "a preliminary ruling from the Board"
Jun 19 07 – responding motion records from parties wishing to respond to motion records
Jun 26 07 – oral hearing on motions
July 17 07 – issues conference
Aug 2 07 – issues day
Aug 13 07 – interrogatory questions submitted to Hydro One Networks
Aug 23 07 – interrogatory responses filed
Sep 4 07 – intervenor evidence filed
Sep 18 07 – interrogatory questions on intervenor evidence
Oct 3 07 – intervenor interrogatory responses filed
Oct 22 07 – oral hearing starts at a location to be determined (15 hearing days per Appendix C table attached to the Procedural Order)

ENVIRONMENTAL ASSESSMENT (EA) SCHEDULE
EA Terms of Reference (TOR) Submission - July 2007
TOR approval expected – fall 2007
EA submitted to Ministry of Environment – summer 2008
EA approval expected – fall 2008

OTHER IMPORTANT DATES
Expropriation to begin following Environmental Assessment approval

Construction to begin following Environmental Assessment approval (beginning with locations where Hydro One already has required rights to the land)

Project In-Service expected – December 2011

Supporting Documentation 1:

A. Background on the Electricity Sector

B. Background on the Undertaking

C. Rationale for the Reference Route

A. *Background on the Electricity Sector in Ontario*

Hydro One traces its history back to 1906 when the Ontario Legislature passed the *Power Commission Act* and created the Hydro-Electric Power Commission of Ontario, renamed Ontario Hydro in 1974. In October 1998, the Ontario legislature enacted the *Energy Competition Act* authorizing the restructuring of Ontario Hydro with the aim of introducing competition in the wholesale and retail electricity markets in Ontario. On April 1, 1999, in accordance with the *Energy Competition Act,* Ontario Hydro was restructured principally into three separate entities:

(1) Ontario Power Generation Inc. (OPG), responsible for the generation and sale of electricity in Ontario;
(2) Ontario Hydro Services Company Inc., later renamed Hydro One Inc., whose subsidiary, Hydro One Networks Inc., responsible for planning, construction, operation, and maintenance of its transmission and distribution system; and
(3) Independent Electricity Market Operator later renamed the Independent Electricity System Operator (IESO), responsible for managing Ontario's electricity system and operating the wholesale electricity market.

Hydro One Inc. is a holding company with four operating subsidiaries, namely:

- Hydro One Networks Inc. – This is the largest subsidiary. It is responsible for the planning, construction, operation and maintenance of Hydro One's transmission and distribution systems. Hydro One owns and operates 97% of transmission infrastructure in Ontario including approximately 30,000 km of high-voltage transmission lines. In addition, it owns and operates 26 interconnections with neighbouring provinces and states, which allow electricity to flow into and out of Ontario. The Hydro One distribution system, which delivers electricity to homes, farms and businesses, is the largest in the Province, with almost 123,000 km of wires serving approximately 1.3 million customers.
- Hydro One Brampton Networks Inc. – This subsidiary distributes electricity to the

City of Brampton.

- Hydro One Telecom Inc. – This subsidiary is involved in the marketing of excess fiber optic capacity.
- Hydro One Remote Communities Inc. – This subsidiary operates and maintains the generation and distribution assets used to supply electricity to 18 communities across northern Ontario that are not connected to the Province's electricity grid.

Subsequent to this restructuring of Ontario Hydro, the Ontario Power Authority (OPA) was established by the *Electricity Restructuring Act*, 2004.

The *Electricity Restructuring Act* made three changes in the institutional arrangements of the electricity sector in Ontario with respect to long-term planning. In this legislation:

- the OPA was given the mandate to both develop an Integrated Power System Plan (IPSP) and address the looming supply–demand imbalance in Ontario through conservation and generation procurements;
- the Government was given the discretion to determine the future "supply mix" for the Province as a starting point for the IPSP; and
- the OEB was given the authority to review and approve the IPSP. 1

The IPSP will serve as both a focused implementation plan for the near term and a road map for the longer term.

These changes to the electricity sector in Ontario have implications for compliance with *EA Act* requirements. Historically, Ontario Hydro was responsible for all aspects of project planning and undertaking the EA process, including establishing the need and defining alternatives to meet it. Currently, the OPA is responsible for establishing the need for new transmission facilities and, for this project, they assessed that no other "alternative to" the Bruce to Milton Project can meet the need for increased transmission capacity to the provincial grid and the GTA for December 1, 2011. Hydro One's role is to implement the

[1] OPA website – System Planning

findings of the OPA through the planning, construction, operation and maintenance of the Bruce to Milton Project.

OPA Consultation Activities on the IPSP

The IPSP stakeholder engagement process began in mid-summer 2006 and ran until January 2007. It was organized along work stream "modules" based on subject matter. These streams were categorized according to IPSP issue documents/supporting technical papers released for discussion at different times during this period.

OPA's consultation on the draft IPSP involved the release of documents/supporting technical papers for public comment and review. A series of tele/web-conference sessions and workshops on specific IPSP issues were held. OPA's website includes links to these discussion papers and materials from workshops and web-cast presentations. (Refer to Supporting Document 2 and OPA's website for more details). During the consultation for the preliminary IPSP, the OPA received numerous comments which provided support for the Bruce to Milton Project (including comments from the Association of Power Producers of Ontario and the Canadian Wind Energy Association).

As part of the planning process for the project, Hydro One and OPA consulted with regional/municipal planners in communities that were likely to be affected by the proposed Bruce to Milton project. In total, eleven municipalities, four counties and one region were contacted. During these consultations, OPA staff explained the need for the project and the rationale for expansion of the existing Bruce to Milton transmission corridor. Hydro One staff provided a project overview, including a description of the project, the required approvals, the public consultation, including a description of the project, the required approvals, the public consultation program and the timelines for placing the new line in service by December 2011.

<u>Consultation: Tele/web-conferences, Workshops and Comments/Paper submissions</u>

Following the release of these documents/supporting technical papers, the general public and participants were encouraged to review these papers and provide comments/questions

to OPA via email or regular mail. A series of tele/web-conference sessions were held; for each session, participants called in to listen to discussions/presentations and ask questions during the question period which followed these sessions. Workshops were organized for participants on specific IPSP issues. Participants could submit voluntary discussion papers. OPA also had the option to formally request participants to prepare discussion papers which it funded. Web-links to presentations, workshops, discussion and sessions materials and web-casts are accessible on OPA's website. Discussion papers, public comments/questions and answers are available on OPA's website.

Funds were made available for prospective participants in the IPSP stakeholder engagement process based on OPA's eligibility guidelines and procedures. A total of 28 participants were funded from different interest groups including Green Energy Coalition, Lake Ontario Waterkeepers, Federation of Ontario Cottagers Association, and Community Development Corporations, e.g., Northwatch, Kasabonika.

The following summarizes the consultation activities for Discussion Paper #5:

Dates	Paper Releases	Tele/Web conference activities	Workshops
Consultation Prior to Discussion Paper # 5			
Thursday, June 29, 2006 from 2:30p.m.- 4 p.m.	Scope and Overview Paper # 1 released.	Launch of Webinar: the Integrated Power Supply Plan Scope Paper– web-based briefing session.	
Tuesday, July 11, 2006 at 10 a.m.		Launch of Document Feedback Session - Teleconference and Web-cast.	
Consultation Regarding Discussion Paper # 5			
Monday, November 13, 2006	Transmission Discussion Paper # 5 released.		
Wednesday, November 22, 2006 to Friday, November 24, 2006			Sustainability, Supply, Transmission and Integration Workshop at the Westin Harbour Castle (three-day working session).
Discussions with Aboriginal Groups			
Thursday, April 26 2007 @ 3:00 p.m.		First Nations/Métis Web/teleconference events.	
Friday, April 27 2007 @ 10:00 a.m.	Presentation of papers in English, French, Cree, Ojibway and Oji-Cree languages.	First Nations/Métis Web/teleconference events.	
May-June, 2007		First Nations/Métis Regional Forum	

B. Background on the Undertaking

Provincial Need for Electricity Transmission

The OPA is developing the IPSP to address the long-term needs of the people of Ontario for generation and transmission of electrical power to the year 2027 and beyond. The total demand for electricity generation in Ontario is expected to continue increasing over time and is estimated to be more than approximately 40,000 MW by 2027.

Many of the existing generating stations in Ontario will need replacement or refurbishment during the IPSP planning period. As well, the Province of Ontario has developed an "Off-Coal" initiative, which accelerates the retirement of the existing coal-fired generating stations. The new generation to be developed in Ontario will involve renewable and clean generation technologies including wind, hydroelectric and natural gas powered generation while emphasizing conservation and demand management. The reliance on nuclear generation is expected to remain approximately at its current level.

Transmission facilities in Ontario have not been significantly expanded since the early 1980s. Many new transmission lines or ROW expansions will be required during the IPSP planning period to transmit electricity from new and refurbished generation sites to service the people of Ontario.

OPA's Assessment of Bruce Area to GTA Electricity Transmission

In Discussion Paper 7: Integrating the Elements - A Preliminary Plan (OPA 2006b), the OPA presented its preliminary 20-year IPSP taking the development of the Province's electricity system through to the year 2027. The paper outlines the context and purposes of the plan, the process of evaluating it, the resulting Preliminary Plan and the next steps. The elements of the plan – load forecast, conservation, supply resources and transmission – are discussed in the preceding IPSP discussion papers. The OPA identified the following challenges in the 2007-2010 timeframe for the Bruce area to GTA:

- transmission investments to ensure deliverability of the output from the Bruce

Power Complex's refurbished units and potential wind resources in the area;

- transmission reinforcements in the GTA, southern Georgian Bay, Windsor, Brant, the Kitchener area and Woodstock; and
- decisions needed in the near term to enable the resources that will be required in the medium term (i.e., after 2010).

The need and rationale for the transmission of power from Bruce area to the provincial power grid including the GTA are discussed in the OPA (2006a) Discussion Paper 5: Transmission and the OPA (2006b) preliminary IPSP and briefly summarized in the following paragraphs.

Bruce Power is in the process of refurbishing and returning to service the two "laid-up" generating units, Units 1 and 2, at the Bruce A nuclear plant. These units, each rated at 750 MW, are scheduled to return to service in 2009. They will add 1,500 MW of base load generation to the Ontario system, which will improve the Province's reliability of supply. Coincidental to the return of the two Bruce units, Bruce Power is scheduling the outage of other units at the Bruce A plant for extended maintenance work from 2009 to 2011. Thus, in effect, an equivalent of one Bruce unit is added between 2009 and the end of 2011, and two units thereafter.

Additionally, about 725 MW of wind generation has been committed for the Bruce area. OPA's latest studies done for preparation of the IPSP identify a potential for another 1,000 MW of wind generation that could be developed in this area. Together, these new wind and nuclear generation resources will add approximately 1,500 MW by 2009, approximately 2,225 MW by 2012 with maintenance work completion, and over 3,000 MW in the longer term with the addition of potential wind development.

The generation increases in the Bruce area between now and 2012, and the possible amount to 2014, are shown in Figure SD-1.

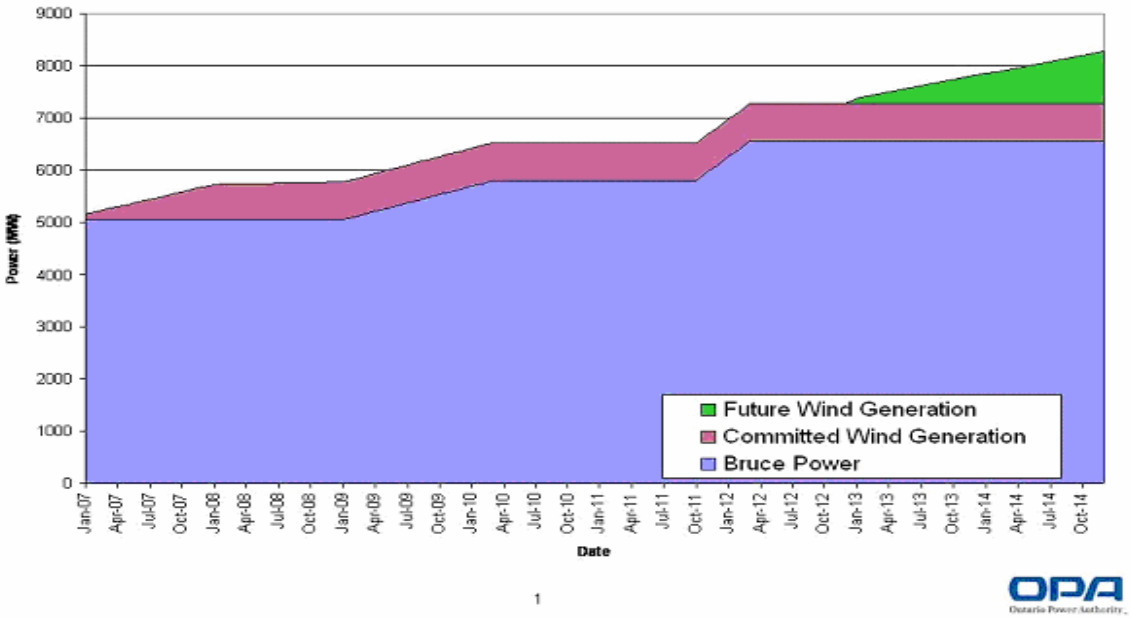

Figure SD-1: Power Generation in the Bruce Area

The existing system that transmits power from the Bruce area to the provincial power grid including the GTA was last expanded around 1990 and currently has sufficient capacity for the existing generation, namely the four units at Bruce B and two units at Bruce A, with a combined output of approximately 5060 MW.

In Discussion Paper 5, the OPA identified five long-term transmission options to increase the capacity of the electricity transmission system in southwestern Ontario to meet this need. These alternatives were Bruce to Longwood, Bruce to Kleinburg, Bruce to Crief, Bruce to Essa and Bruce to Milton. The OPA determined that two of the alternatives, Bruce to Crief and Bruce to Kleinbburg did not align with provincial policy to maximize use of existing ROWs and would require a planning period that would not satisfy the need date. The Bruce to Longwood alternative was deemed to be too long, would have required costly and time consuming compensating measures and could not be constructed within the period of time that would satisfy the need date. OPA determined that the two alternatives that would be assessed were Bruce to Milton and Bruce to Essa because these would make use of an existing ROW, in accordance with the Provincial Policy Statement and could potentially be in service by the need date, taking into consideration the planning and construction phases

of the project.

The OPA assessed the technical merits of two options for addressing electricity transmission from the Bruce area to the provincial power grid and the GTA: Bruce to Milton and Bruce to Essa. Based on this assessment (see section entitled Bruce Area to GTA Transmission Line, below) the OPA concluded that the Bruce to Milton option is the only transmission alternative that meets the overall need to transmit the existing and committed generation in the Bruce area, to facilitate the development of future resources in the Bruce area and north of Barrie, and to be consistent with provincial land use policy.

The OPA has established the need for the Bruce to Milton Project through their preliminary IPSP planning process. For this project, Hydro One is relying on the analysis, consultation and recommendations of the OPA, specifically for the determination of need and alternatives to this project. Therefore, the OPA recommendation provides a starting point for Hydro One's EA process.

The final recommendation considered technical requirements, total system capacity, provincial land use policy and the overall cost to Ontario electricity consumers.

There is some additional capacity to incorporate the committed wind generation in the Bruce area once the critical sections of two of the Bruce 230 kV circuits between Hanover and Orangeville have been uprated and additional static or dynamic shunt reactive sources installed at the Middleport, Orangeville and Detweiler stations. Hydro One is currently assessing the extent of the work required to uprate the 230 kV circuits. The OPA recommends that this uprating work should proceed immediately to enable an in-service date of mid-2009 as a near-term measure before the Bruce to Milton Project comes in-service in December 2011.

OPA and IESO staff have worked together in the past year to identify and assess interim measures for increasing the transfer capability between the Bruce area and the provincial power grid and the GTA. The interim measures that were found to be the most effective are:

- generation rejection of up to 1,500 MW (two Bruce units or one Bruce unit and wind generation) and
- subject to confirmation from the due diligence study noted below, 30% series compensation of the Bruce to Longwood and Longwood to Nanticoke 500 kV circuits.

The results of the IESO interim measures assessment indicate that the immediate enhancements, which can be placed in service in 2009, combined with generation rejection will allow the output from seven Bruce units and committed wind generation to be transmitted. Thirty percent (30 %) series compensation may be used as a stopgap measure to further expand transmission capability to accommodate eight Bruce units if approvals for a new 500 kV line are delayed. The OPA has stated that the interim measures are not alternatives to the long-term solution. The use of generation rejection as an interim measure until a more permanent solution is in place is subject to Northeast Power Coordinating Council (NPCC) approval. With regard to the use of series compensation, a new technology for Ontario, for increasing the transmission capability out of Bruce, Hydro One has expressed concern regarding the system and equipment risks.

Bruce Area to GTA Transmission Line

OPA Discussion Paper 5 concluded that a new double-circuit 500 kV line from the Bruce area to the provincial power grid and the GTA is required to address the long term transfer capability requirements for delivering wind and nuclear power from the Bruce area to Ontario's electricity consumers. Subsequent to the release of the Discussion Paper, the OPA assessed the technical merits of two options for addressing electricity transmission from the Bruce area to the provincial power grid and the GTA: Bruce to Milton and Bruce to Essa. These studies revealed:

- the Bruce to Essa option would increase transmission capacity to deliver committed future generation in the Bruce area, by approximately 6,500 MW between 2009 and 2012 (including approximately 700 MW of renewable energy capacity). However, the Bruce to Essa option would not provide sufficient capacity for an additional 1,000 MW of forecast renewable generating resources in the Bruce area. The Bruce

to Essa option does not provide a direct connection to the provincial grid including the GTA and energy transfer would consume capacity on the existing transmission line between the Essa Transformer Station (TS) near Barrie and the Claireville TS located in the GTA. This would constrain the delivery of additional energy from sources north of Barrie and require a reinforcement of the Essa to Claireville transmission line earlier than would otherwise be the case.

- the Bruce to Milton option offers greater capability to deliver future renewable generation developments in the Bruce area (i.e., 8,300 MW vs. 7,300 MW). Furthermore, unlike the Bruce to Essa option, it provides a direct connection to the provincial power grid and the GTA and therefore would not impede development of future renewable generation projects north of Barrie. These projects include the proposed Lower Mattagami Hydroelectric Redevelopment and Mattagami Lake Generating Station.

On this basis, OPA concluded that the Bruce to Milton option is the only transmission alternative that:

- meets the overall need to transmit the existing and committed generation in the Bruce area;
- preserves the transmission capability between Barrie and the GTA for future generation developments north of Barrie; and,
- is consistent with provincial land use policy as set out in the 2005 Provincial Policy Statement (PPS) (MMAH, 2005a). The PPS provides policy direction on matters of Provincial interest related to land use planning and development and sets the policy foundation for regulating the development of land use. The PPS section 1.6.2 states that the use of existing infrastructure and public service facilities should be optimized wherever feasible, (e.g., by utilizing a widened corridor) before consideration is given to developing new infrastructure and public service facilities.

In a letter sent to Hydro One on December 22, 2006, the OPA stated that it believed that

action must be taken urgently to ensure that there is adequate system capacity to permit all available generation in the Bruce area to be transmitted, in accordance with its analysis of the matter outlined in Section 2.3.6 of the OPA (2006a) Discussion Paper 5 on Transmission.

In its letter dated March 23, 2007, the OPA requested that Hydro One commence the planning and approvals process required to construct a new double-circuit 500 kV transmission line between the Bruce Power Complex and Hydro One's existing Milton SS located in the Town of Milton (the reference route) to be in-service by December 1, 2011. A copy of this correspondence is provided in Environmental Assessment Terms of Reference Bruce to Milton Transmission Reinforcement Project, *Appendix A*. In keeping with the provincial land use policy, the reference route follows an existing ROW. When this undertaking is completed, the system will provide capacity for an additional 1,000 MW of power relative to other options (i.e., options which do not meet the need). By expanding an existing ROW, the project will require approximately 20% less land area than would a new ROW.

If the proposed transmission line is not placed in service in 2012, the committed and proposed wind generation in the Bruce area and committed generation from the Bruce Power Complex will be constrained from entry into the Ontario power grid. As a result, committed Bruce area generation facilities will not be able to operate. Consequently the Province will have difficulty reducing its dependency on coal-fired generation as planned, and Ontarians may face energy shortages. The Province of Ontario is also committed to pay for power from the Bruce area that cannot be delivered to customers.

Technical and Cost Requirements Leading to Reference Alignment

When evaluating the various combinations of line segments, the study team had to take into consideration a strong technical and cost preference for the new line not to cross existing 500 kV transmission lines with one area of exception (discussed below). Two facts shaped the determination of the reference route: the fact that Hydro One holds most of the rights for a 26 km stretch of land, extending east from the Bruce facility; and the fact that when entering the Milton Switching Station, there is a requirement to be on the east side of the

existing line. Additionally there is a technical requirement to be on the east of the existing right of way when entering the Milton Switching Station (in order to line up with the future position in the Switching Building).

C. Rationale for the Reference Route

Reasons for Preference to Avoid Cross-Overs

There are multiple reasons for avoiding crossing over another 500kV line:

- Any cross-over would require an outage of several weeks duration, during which time some power could be stranded in the Bruce area. This may have implications for service interruption and the province's economy, since the situation would probably result in the import of power.
- A fenced area may be required and additional property rights may be required to locate the extra dead-end (turning) towers,
- The cost of crossing an existing 500 kV line is between three and five million dollars;
- Once a cross-over is in place, long-term system vulnerability is increased and line maintenance is more difficult.

Due to the complex number and configuration of transmission lines along the routes, any crossover of a 500 kV line could necessitate other crossovers. Any route that exited the Bruce Generating Station on a right-of-way to the south of the existing right-of-way would need to cross the 230 kV line going to Deitweiller twice (once in the Bruce facility and once at Willow Junction) and the 500 kV line going to Longwood. If proceeding to Milton, a route that was on the south side of the right-of-way would have to cross the 500 kV line coming from Nanticoke to Milton.

Crossovers between Bruce Generating Station and Colbeck would require crossings of multiple transmission lines which would be undesirable due to increased costs and the need for multiple outages (which are much more difficult to obtain than single outages.)

Exception to the Rule

There is one location where a cross-over is justified from a technical and cost perspective. To the north of the Milton Switching Station, Hydro One owns a little more than 2 km of right of way on the west side, adjacent to the existing right of way, north of Highway 401, to north of the intersection of the Hydro One 500 kV transmission lines coming in from Nanticoke (to the west). This area has high development pressure and high real estate costs. Through discussion with municipal officials in Halton Hills, Hydro One has been made aware of approved developments in this area, to the east of the right of way, that are expected to proceed prior to approvals for this project. In light of the planned development, if Hydro One did not take advantage of the existing rights on the west of the transmission corridor in this area, project costs could be expected to rise by $60 million to in excess of $100 million. Taking advantage of the existing rights in this area allows the planned developments to proceed without affecting the economic benefits these developments will provide to the area and to the municipal tax base.

Utilizing Existing Rights-of-Way

To minimize potential effects, Hydro One wishes to maximize use of existing rights-of-way. Hydro One prefers to build on the north side of the right-of-way when exiting the Bruce Generating Station, along a 26 km stretch of land where rights were acquired during construction of the existing transmission lines, adjacent to the existing right-of-way between the Bruce Generating Station and Bradley Junction. If Hydro One did not take advantage of these existing rights and built the new line to the south of the existing right-of-way, costs could be expected to increase by $7.5 million and an additional 50 to 55 property owners would be affected in this area.

In summary, Hydro One's reference alignment is along the north of the existing right-of-way when exiting the Bruce Generating Station, crossing over the 230kV line near Colbeck, to continue to parallel the existing 500kV line on the east until crossing over to Hydro One owned right of way on the west to avoid development lands in Halton Hills.

Powerline Connection (PC) INTERROGATORY #7 List 1

Interrogatory

Routing and Affected Properties

Have the TOR been approved by the Minster of Environment? If yes, when? If no, why not?

Response

No. Draft Terms of Reference have been prepared and are available for comment. Please see Response to PC IR # 6. Hydro One expects that it will be making its formal Terms of Reference filing with the Ministry of Environment in early August.

Powerline Connection (PC) INTERROGATORY #8 List 1

Interrogatory

Routing and Affected Properties

The Environmental Assessment Act requires a consideration of alternatives. Specify what alternate routes are being considered for the proposed line, other than the route over the affected properties? A map illustrating the alternative route(s) along with a property ownership list is requested for each alternative route.

Response

Hydro One does not view the consideration of alternatives found under the Environmental Assessment Act to be a matter or issue relevant to its Early Access application. To be helpful, in a letter to Hydro One on March 23, 2007, filed in Exhibit B, Tab 6, Schedule 5, Appendix 4 of EB-2007-0050, the Ontario Power Authority (OPA) stated that the Bruce to Milton line "is the only transmission alternative that meets the overall need to transmit the existing and committed generation in the Bruce area, to facilitate the development of future resources both in the Bruce area and north of Barrie, to be consistent with provincial land use policy and to reflect the general support to date from stakeholders for a long term solution within a widened existing transmission corridor." The Ministry of the Enivronment Code of Practice for Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario, indicates that the range of alternatives to be considered should address the problem or opportunity (i.e., meet the need for the undertaking). OPA has established that there is only one project that meets this criterion. Consequently, the environmental assessment will consider the only corridor identified to be acceptable to OPA. Alternative routes for the Project within this corridor is a matter to be considered in the context of the environmental assessment.

Powerline Connection (PC) INTERROGATORY #9 List 1

Interrogatory

Routing and Affected Properties

Is access to properties along the alternative routes being sought by Hydro One?

Response

No. Please see response to PC IR #8.

Powerline Connection (PC) INTERROGATORY #10 List 1

Interrogatory

Routing and Affected Properties

What work and testing is proposed for the affected properties and for other properties in an alternate route, if any?

Response

See response to Staff IR #1 for a list of the early access activities.

Powerline Connection (PC) INTERROGATORY #11 List 1

Interrogatory

Routing and Affected Properties

How does testing along alternative routes differ from the work and testing planned for the affected properties?

Response

Not applicable. Please refer to response to PC IR #8.

Powerline Connection (PC) INTERROGATORY #12 List 1

Interrogatory

Routing and Affected Properties

Indicate whether the results of any such alternative route testing will be made available to the landowners participating in this Application for Access process before the Ontario Energy Board?

Response

Not applicable. Please refer to response to PC IR #8.

Powerline Connection (PC) INTERROGATORY #13 List 1

Interrogatory

Routing and Affected Properties

If no access to properties along alternative route(s) is being sought, how does Hydro One respond to the clear implication that the proposed work and testing on the affected properties is tantamount to a predetermination of the EA process?

Response

One of the purposes of carrying out early access activities is to assist Hydro One in understanding the environmental setting of the proposed Project. This information will facilitate preparation of the documentation (i.e., an environmental impact statement) that will consider the potential types of environmental effects and so that Hydro One may consider whether, and if so the nature and extent of, the mitigation measures required to ensure the potential for effects may be minimized. Such information relates directly to the fixing of the site of the proposed work.

Hydro One does not consider how the initial step of gathering field data so that it may prepare an informed environmental impact statement can in any cogent manner be viewed as tantamount to a predetermination of the EA process.

Powerline Connection (PC) INTERROGATORY #14 List 1

Interrogatory

Routing and Affected Properties

How does Hydro One respond to the suggestion that access to the affected properties is premature until at least the TOR to the EA are completed and approved (by the Minister).

Response

Hydro One is applying for early access pursuant to section 98(1.1) of the *Ontario Energy Board Act, 1998.* The only prerequisite for making such an application and obtaining such an order is that one of (a), (b) and (c) below has been satisfied:

a) the person has applied for leave under section 90 or 92 and has complied with section 94;

b) the person has applied to the Board for an exemption under section 95; or

c) the Board has commenced a proceeding to determine whether to require the person, pursuant to a condition of the person's licence, to expand or reinforce a transmission or distribution system.

Hydro One has satisfied (a), because Hydro One has applied for leave under s. 92 and has complied with section 94. Hydro One's application is therefore not premature.

Powerline Connection (PC) INTERROGATORY #15 List 1

Interrogatory

Specifics of Work or Testing

Specify what work or testing will be done on the affected properties during each entry?

Response

Please see the response to Board Staff #1.

Powerline Connection (PC) INTERROGATORY #16 List 1

Interrogatory

Specifics of Work or Testing

For each affected property, how long will the work or testing take? (please specify for each individual work or test)

Response

Please see the response to Board Staff IR #1.

Powerline Connection (PC) INTERROGATORY #17 List 1

Interrogatory

Specifics of Work or Testing

What is the purpose of each work or test? (Please specify for each individual work or test)

Response

Please see the response to Board Staff IR #1.

Powerline Connection (PC) INTERROGATORY #18 List 1

Interrogatory

Specifics of Work or Testing

Where on each of the affected properties will the work or testing be conducted? (Please specify for each property to which Hydro One seeks access and for each work or test)

Response

Please see the response to Board Staff IR #1.

Powerline Connection (PC) INTERROGATORY #19 List 1

Interrogatory

Specifics of Work or Testing

Please indicated by way of sketches or drawings for each affected property what route Hydro One will take to get to the testing area for each of the affected properties?

Response

Hydro One has not yet determined the access routes that will be required to reach the affected properties. In most cases, Hydro One expects to be able to utilize existing roads or other existing points of access to reach the proposed widened right-of-way and will not need to traverse affected properties to gain access. Where access across non-corridor lands to get to the proposed right-of-way is required, Hydro One plans to negotiate access arrangements with landowners. Please refer to Board Staff IR #4.

Powerline Connection (PC) INTERROGATORY #20 List 1

Interrogatory

Specifics of Work or Testing

How will such route be constructed, formed, managed or maintained?

Response

Access for most activities will be by foot or using light vehicles on existing roads. Access for soil testing, using a tracked vehicle, will be reviewed with each property owner. Hydro One does not expect at this time that it will need to construct access roads to gain access to the affected properties for the early access activities. That assessment will be reviewed by site inspection once Hydro One gains access to the affected properties. Should access road construction be required, appropriate arrangements will be made with landowners after discussing any concerns they may have. Please refer to Board Staff IR #1 for more information.

Powerline Connection (PC) INTERROGATORY #21 List 1

Interrogatory

Specifics of Work or Testing

What equipment will be brought onto the affected properties in order to conduct the work or test?

Response

Please refer to Board Staff IR #1.

Powerline Connection (PC) INTERROGATORY #22 List 1

Interrogatory

Specifics of Work or Testing

What, if any, foreseeable disruptions will the equipment cause to the occupants of the affected properties? What mitigative measures will Hydro One take to minimize or prevent such disruption?

Response

Please see the response to Board Staff #1. Other than the soil test drilling equipment, the required equipment will be carried by hand. Disruptions to the occupants of affected properties are expected to be minimal. During landowner contacts, concerns will be noted in order to minimize or eliminate disruptions.

Powerline Connection (PC) INTERROGATORY #23 List 1

Interrogatory

Specifics of Work or Testing

What, if any, foreseeable disruptions will the equipment cause to livestock, wildlife, or domestic animals living on the affected properties? What mitigative measures will Hydro One take to minimize or prevent such disruption?

Response

Please see the response to Board Staff #1. The equipment will cause little or no disruptions to livestock, wildlife or domestic animals living on the affected properties. Any unique circumstances involving specific livestock concerns will be discussed with landowners and where practicable, accommodations made.

Powerline Connection (PC) INTERROGATORY #24 List 1

Interrogatory

Specifics of Work or Testing

What, if any, potential dangers to the affected owners, their tenants, livestock and domestic animals are posed by the equipment to be used? (to the best of Hydro One's knowledge)

Response

The equipment poses no little or no danger to affected owners, their tenants, livestock or domestic animals.

Powerline Connection (PC) INTERROGATORY #25 List 1

Interrogatory

Specifics of Work or Testing

Specify what safety precautions are being taken to minimize risk to occupants and users of the affected properties?

Response

Personnel undertaking early access activities and residents who wish to observe the work will be required to comply with all legislated and Hydro One mandated safety requirements.

Powerline Connection (PC) INTERROGATORY #26 List 1

Interrogatory

Impact on Affected Properties

Will Hydro One be falling or pruning any trees to gain access to the affected properties?

Response

Hydro One expects that pruning and/or the cutting of brush may be necessary for survey line of sight and soil test access purposes. Hydro One will not need to cut down any mature trees.

Powerline Connection (PC) INTERROGATORY #27 List 1

Interrogatory

Impact on Affected Properties

If yes, illustrate where such work is planned for each affected property, and how Hydro One plans to compensate landowner for such tree modification or removal?

Response

Pruning or brushing requirements will be determined when Hydro One staff access the affected properties. Please see the response to PC #42.

Powerline Connection (PC) INTERROGATORY #28 List 1

Interrogatory

Impact on Affected Properties

Does Hydro One agree that removal of trees represents a long term impact?

Response

As noted in the response to PC #26, no mature trees will be cut down or removed in connection with the early access activities.

Powerline Connection (PC) INTERROGATORY #29 List 1

Interrogatory

Impact on Affected Properties

What additional equipment will be brought onto the affected properties for such tree related work?

Response

Additional equipment for pruning or brushing may include a chainsaw, a brushsaw or axe.

Powerline Connection (PC) INTERROGATORY #30 List 1

Interrogatory

Impact on Affected Properties

Will Hydro One be constructing any roads to gain access to the affected properties?

Response

Hydro One does not expect at this time that it will need to construct access roads to gain access to the affected properties for the early access activities. That assessment will be reviewed by site inspection once Hydro One gains access to the affected properties. Should access road construction be required, appropriate arrangements will be made with landowners after discussing any concerns they may have.

Powerline Connection (PC) INTERROGATORY #31 List 1

Interrogatory

Impact on Affected Properties

If yes, how does Hydro One plan to compensate landowners for such road construction?

Response

Please refer to response to Board Staff IR #4.

Powerline Connection (PC) INTERROGATORY #32 List 1

Interrogatory

Impact on Affected Properties

What additional equipment will be brought onto the affected properties for such road construction?

Response

If access road construction is necessary, major construction equipment would be used such as bulldozers, dump trucks, graders and back-hoes. Please see the response to PC #31.

Powerline Connection (PC) INTERROGATORY #33 List 1

Interrogatory

Impact on Affected Properties

Does Hydro One anticipate any damage to any landscaped or planted areas on the affected properties in accessing work or testing areas?

Response

Hydro One may need to prune landscape or planted trees for survey line of sight.

Powerline Connection (PC) INTERROGATORY #34 List 1

Interrogatory

Impact on Affected Properties

If yes, how does Hydro One plan to remedy such damage?

Response

Please see the response to PC #35.

Powerline Connection (PC) INTERROGATORY #35 List 1

Interrogatory

Impact on Affected Properties

Will Hydro One offer compensation to landowners for such damage? What form will compensation take and how will it be determined?

Response

Section 98(2) of the *OEB Act* requires that every recipient of an early access order pay landowners for damages resulting from the early access activities, and Hydro One will fully compensate landowners according to that requirement.

Powerline Connection (PC) INTERROGATORY #36 List 1

Interrogatory

Impact on Affected Properties

Will Hydro One remove all evidence of access routes and restore the affected properties to its original condition upon the termination of any work or testing?

Response

As noted in the responses to Board Staff IR #1 and PC #20, access for most activities will be gained on foot or using light vehicles, using existing roads. As well, Hydro One does not expect that it will have to construct access roads to gain access to affected properties for any of the early access activities. Where access routes across landowner lands are utilized, an access agreement will be completed. This agreement includes a provision for restoration of landowner lands. Please refer to Staff IR #4.

Powerline Connection (PC) INTERROGATORY #37 List 1

Interrogatory

Impact on Affected Properties

Will Hydro One's work or testing have any affect on drainage flows on the affected properties?

Response

Hydro One is not expecting any of the early access activities to have any impact on drainage flows. This topic will be a matter discussed with each property owner so that site-specific concerns, if any, can be addressed.

Powerline Connection (PC) INTERROGATORY #38 List 1

Interrogatory

Impact on Affected Properties

If yes, will Hydro One take all appropriate steps to ensure appropriate drainage works are undertaken to ensure affected properties are not adversely affected?

Response

Hydro One will discuss any drainage concerns with affected property owners in advance of carrying out early access activities and adopt measures it considers to be reasonable and appropriate. Hydro One cannot provide guarantees that all measures requested or suggested by property owners can be implemented. However, under section 98(2) of the OEB Act Hydro One is obligated to provide compensation for damages it causes as a result of conducting early access activities.

Powerline Connection (PC) INTERROGATORY #39 List 1

Interrogatory

Impact on Affected Properties

Will Hydro One work or testing affect the affected properties beyond the termination date?

Response

No. Given the nature of the early access activities, Hydro One does not expect impacts to occur to the affected properties beyond the termination date.

Powerline Connection (PC) INTERROGATORY #40 List 1

Interrogatory

Impact on Affected Properties

How does Hydro One propose to restore the affected properties to ensure the affected properties are not affected beyond the termination date? A restoration plan for each affected property is required.

Response

Little or no impact is expected by the early access activities. Consequently, restoration plans are not required.

Powerline Connection (PC) INTERROGATORY #41 List 1

Interrogatory

Impact on Affected Properties

How does Hydro One plan to replace existing mature trees that have been cleared for the testing to take place?

Response

No mature trees will be cleared.

Powerline Connection (PC) INTERROGATORY #42 List 1

Interrogatory

Compensation for Impact or Damage

Will Hydro One compensate landowners for any harm to the affected properties for any:

(a) Crop damage arising from the access?
(b) Septic problems arising from the access?
(c) Well problems arising from the access?
(d) Land compaction issues arising from the access?
(e) Tile drainage system problems arising from the access?
(f) Tree or landscaping damage arising from the access?
(g) Any other damage, cost, loss, harm, or injury arising from the access?

Response

Section 98(2) of the *OEB Act* requires every recipient of an early access order to pay landowners for damages resulting from the early access activities, and Hydro One will fully compensate landowners according to that requirement.

Powerline Connection (PC) INTERROGATORY #43 List 1

Interrogatory

Compensation for Impact or Damage

Specify what form of indemnification and how damages will be calculated or determined with respect to the potential dangers and disruptions identified above?

Response

Assessment of damages will be calculated in consultation with the property owner promptly after the completion of all early access activities on the property.

Powerline Connection (PC) INTERROGATORY #44 List 1

Interrogatory

Compensation for Impact or Damage

Specify what form of indemnification will be provided to owners of the affected properties for any legal liability or legal costs they may incur as a result of granting access?

Response

Indemnification is provided pursuant to Section 98(2) of the *OEB Act*, which requires every recipient of an early access order to pay landowners for damages resulting from the early access activities. Hydro One will comply with that requirement.

Powerline Connection (PC) INTERROGATORY #45 List 1

Interrogatory

Compensation for Impact or Damage

Will Hydro One provide landowners a five (5) year period from the termination date to make any and all claims relating to damage arising from the access? If not, why not?

Response

Due to the minor, non-intrusive nature of the early access activities and since Hydro One does not have any control over the use of the land after the completion of the early access activities, a 5 year time window to claim damages as a direct result of early access would not be considered on the basis that it would not be reasonable to do so.

Powerline Connection (PC) INTERROGATORY #46 List 1

Interrogatory

Compensation for Impact or Damage

Will Hydro One pay any and all legal and expert costs incurred by the landowners in establishing and advancing claims for damage arising from the access? If not, why not?

Response

Section 98(2) of the *OEB Act* requires that every recipient of an early access order pay landowners for damages resulting from the early access activities, and Hydro One will comply with that requirement. Reimbursement for costs will be considered on a case-by-case basis.

Powerline Connection (PC) INTERROGATORY #47 List 1

Interrogatory

Compensation for Impact or Damage

Will Hydro One provide each landowner with all reports, studies, test results, raw data, statistics, measurements, and other work product related to the access within four (4) months of the termination date of the access to that landowner's property? If not, why not?

Response

Hydro One will follow the requirements of Staff's proposed Condition 5, reproduced below:

> 5) Upon request the landowners are to be provided with results of the information collected by the early access activities, subject to applicable MNR or other agency disclosure guidelines (e.g., with respect to species-at-risk protection).

Hydro One believes that Staff's proposed condition would make information available to landowners who have expressed interest in receiving it, while including applicable controls on information disclosure.

Powerline Connection (PC) INTERROGATORY #48 List 1

Interrogatory

Compensation for Impact or Damage

Will Hydro One name a single contact person who will oversee the access to the affected properties, so landowners may make inquiries in the event of problems relating to the access? If not, why not?

Response

Yes. There will be a designated contact person who landowners can call.

Powerline Connection (PC) INTERROGATORY #49 List 1

Interrogatory

Compensation for Impact or Damage

Will Hydro One agree to amend the Access Agreement in order to reflect the undertakings, positions, and particulars contained in the answers provided to these interrogatories?

Response

No. The written agreement template labeled "Access—Testing and Associated Access Routes" is intended for use only with the limited number of landowners over whose lands Hydro One requires the rights to construct and use temporary access routes in connection with the early access activities. It is not intended for use for the purpose of conducting early access activities on lands within the proposed widened corridor.