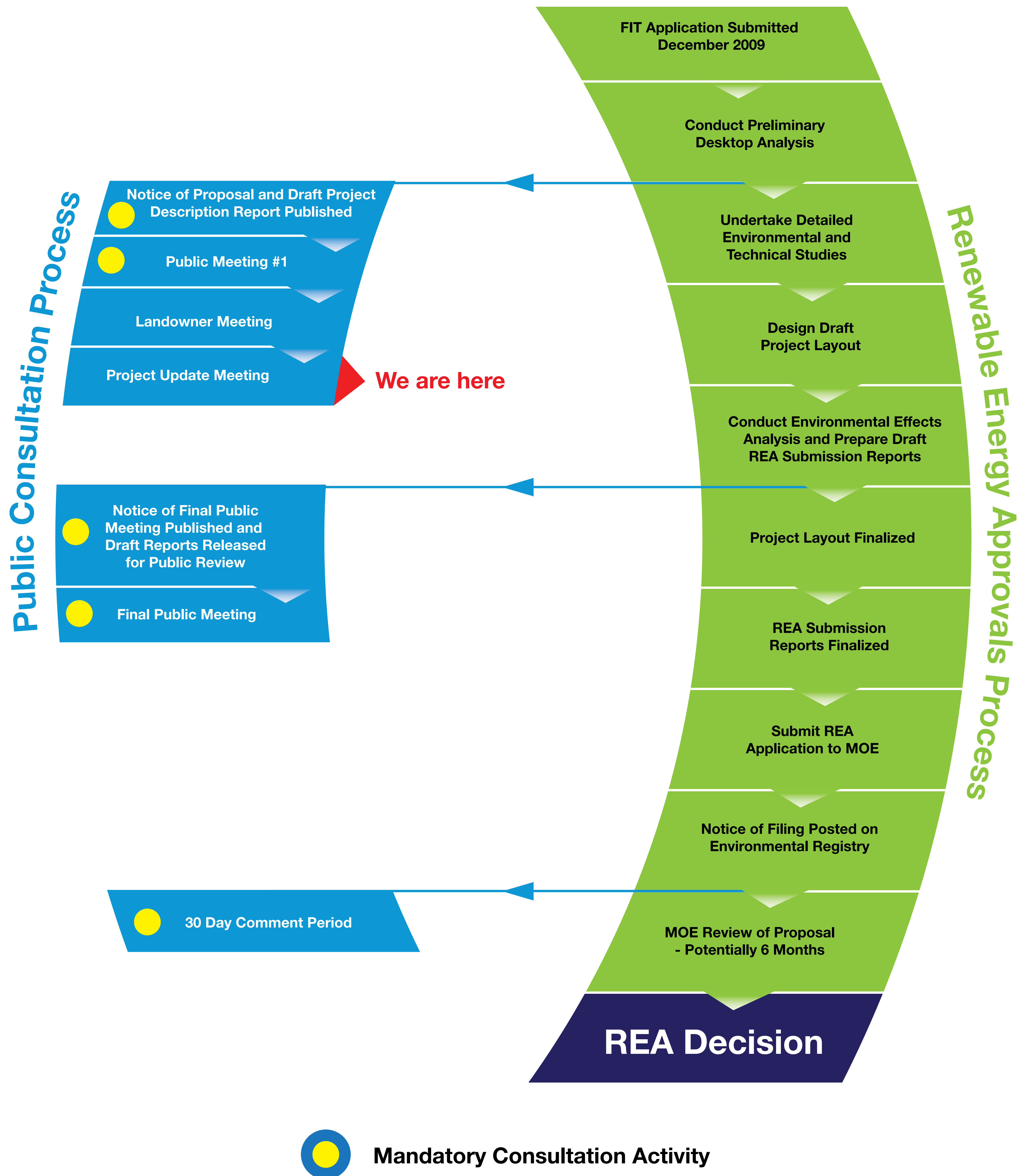


Wind Energy Centres - Open House

Renewable Energy Approvals Process



Wind Energy Centres - Open House



Aboriginal Consultation

- Canada's Constitution Act, 1982, recognizes the rights of Aboriginal peoples (First Nation, Inuit and Métis)
- Ontario Regulation 359/09 has specific requirements for Aboriginal consultation
- Ontario Power Authority's Feed in Tariff program reinforces the importance of Aboriginal consultation
- Project proponents are delegated the "procedural aspects" of Aboriginal consultation
- Aboriginal consultation may include environmental, archaeological, cultural and spiritual issues
- NextEra Energy Canada is working closely with Aboriginal communities and leadership as required by law and good practice to:
 - ✦ Offer meaningful information about its projects
 - ✦ Seek information that helps ensure good planning to avoid or minimize impacts
 - ✦ Openly discuss issues, interests and concerns
 - ✦ Seek workable and mutually acceptable solutions
 - ✦ Foster relationships of mutual respect

Archaeological Studies – Jericho Project

- The work is being completed by licensed archaeologists according to Ministry of Tourism and Culture standards with oversight provided by the Oneida Council of Chiefs
- An Archaeological Assessment Study will be submitted to MTC for review and will:
 - ✦ Identify archaeological resources within the study area
 - ✦ Describe potential negative effects on archaeological resources during construction, operation and decommissioning
 - ✦ Propose mitigation measures to avoid or minimize negative effects on those resources
- A desktop archaeological study (Stage 1 Archaeological Assessment) was carried out in fall 2010 to determine if additional archaeological resources may be found within the study area
- A Stage 2 Archaeological Assessment commenced in April 2011 after the snow had melted and when the ground was firm enough to walk
 - ✦ Archaeologists conducted pedestrian surveys at 5m (16ft) intervals to identify/collect any artifacts found in areas of potential disturbance
- The results of this assessment will determine whether a Stage 3 Archaeological Assessment is required – this is a site-specific assessment involving further research and fieldwork to identify the boundaries of the archaeological site
- Upon completion, a full comprehensive Archaeological Assessment will be submitted to the MTC for acceptance into the Ontario Public Register of Archaeological Reports
- Findings from the archaeological studies are being considered in the wind farm design to minimize impacts as much as possible



Wind Energy Centres - Open House

Archaeological Studies – Adelaide Project

- The work is being completed by licensed archaeologists according to Ministry of Tourism and Culture standards with oversight provided by the Oneida Council of Chiefs
- An Archaeological Assessment Study will be submitted to MTC for review and will:
 - ✦ Identify archaeological resources within the study area
 - ✦ Describe potential negative effects on archaeological resources during construction, operation and decommissioning
 - ✦ Propose mitigation measures to avoid or minimize negative effects on those resources
- A desktop archaeological study (Stage 1 Archaeological Assessment) was carried out in the fall 2008 to determine if archaeological resources may be found within the study area
- A Stage 2 Archaeological Assessment conducted between September and December 2008
 - ✦ Archaeologists conduct pedestrian surveys to identify/collect any artifacts found in areas of potential disturbance
- The Stage 2 Assessment resulted in the documentation of 13 archaeological locations
 - ✦ Nine of these locations are pre-contact Aboriginal sites and four are historic Euro-Canadian sites
 - ✦ Three of the nine pre-contact Aboriginal sites and three of the four historic Euro-Canadian sites recorded were recommended for a Stage 3 Archaeological Assessment
- A Stage 3 Archaeological Assessment was conducted in 2010 and only one site required further archaeological assessment – this Stage 4 Assessment has not yet been conducted; however the MTC accepts that until this has been completed, the site will be enclosed by a snow fence at a 20m buffer extending beyond the limits of the site
- The Adelaide Wind Energy Centre project layout was modified, requiring additional Stage 2 archaeological studies, which are currently being conducted and submitted to the MTC for review
- Upon completion, a full comprehensive Archaeological Assessment will be submitted to the MTC for acceptance into the Ontario Public Register of Archaeological Reports
- Findings from the archaeological studies are being considered in the wind farm design to minimize impacts as much as possible

Archaeological Studies – Bornish Project

- The work is being completed by licensed archaeologists according to Ministry of Tourism and Culture standards with oversight provided by the Oneida Council of Chiefs
- An Archaeological Assessment Study will be submitted to MTC for review and will:
 - ✦ Identify archaeological resources within the study area
 - ✦ Describe potential negative effects on archaeological resources during construction, operation and decommissioning
 - ✦ Propose mitigation measures to avoid or minimize negative effects on those resources
- A desktop archaeological study (Stage 1 Archaeological Assessment) was carried out in 2009 to determine if archaeological resources may be found within the study area
- A Stage 2 Archaeological Assessment was conducted in June 2009
 - ✦ Archaeologists conducted pedestrian surveys to identify/collect any artifacts found in areas of potential disturbance
- The Stage 2 Assessment resulted in the documentation of 33 archaeological locations
 - ✦ 29 locations are pre-contact Aboriginal sites and four are historic Euro-Canadian sites
- Upon completion of the Stage 2 Assessment it was determined that most of the sites could be avoided and only three pre-contact Aboriginal sites were to be subjected to additional Stage 3 Archaeological Assessment
- Subsequent to the June 2009 studies, the Bornish Wind Energy Centre layout was modified requiring additional Stage 2 studies – these are currently being conducted and the results will determine if further evaluation is required
- Upon completion, a full comprehensive Archaeological Assessment will be submitted to the MTC for acceptance into the Ontario Public Register of Archaeological Reports
- Findings from the archaeological studies are being considered in the wind farm design to minimize impacts as much as possible

Cultural Heritage – Jericho Project

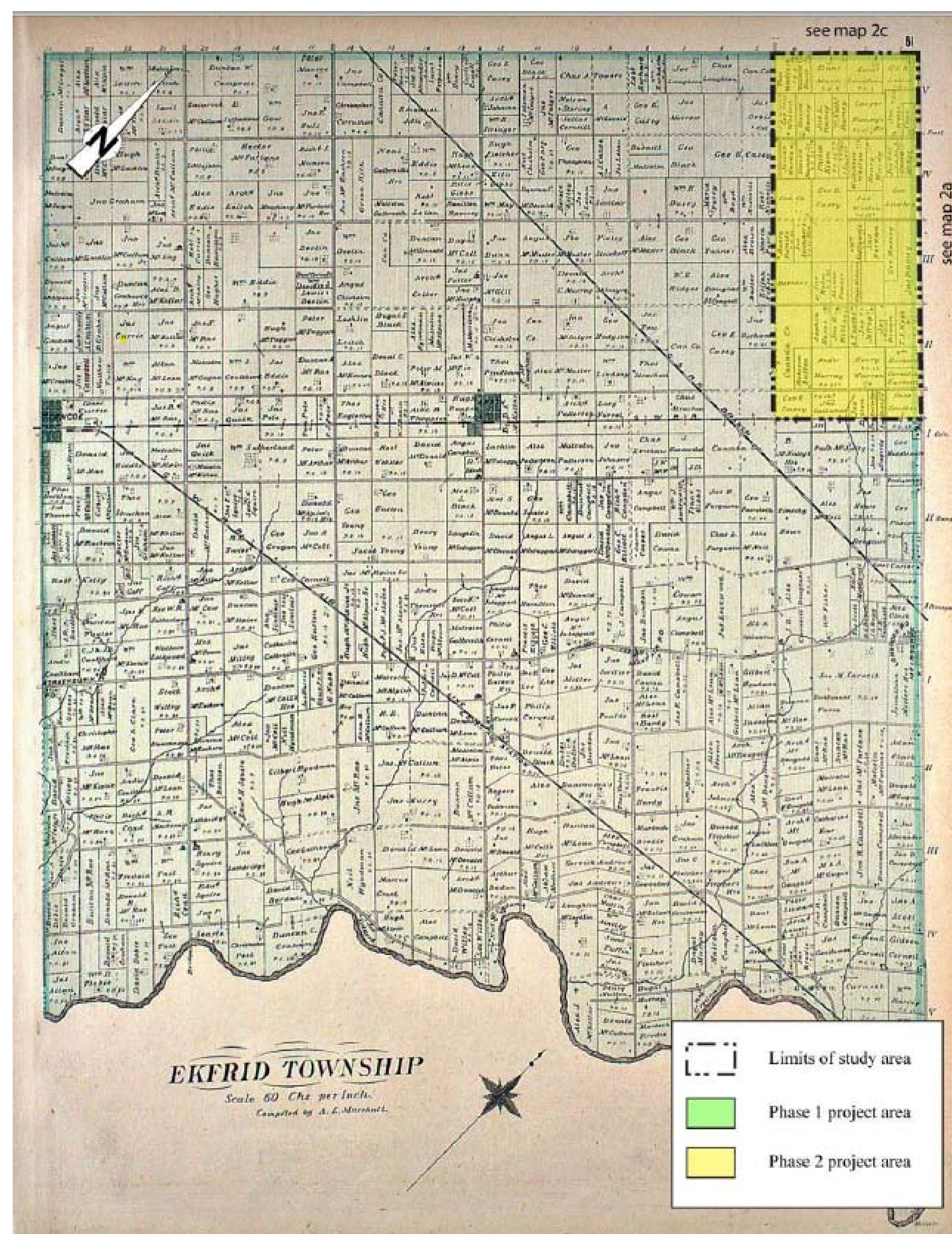
- A Cultural Heritage Assessment was carried out to assess built heritage resources and cultural heritage landscapes in the study area
- This assessment involved:
 - ✦ The development of a land use history of the study area through the use of historical archival research and a review of historical mapping
 - ✦ The identification of protected properties, built heritage resources and cultural heritage landscapes through municipal consultation, a windshield survey and background research
 - ✦ Public consultation with knowledgeable members of the historical community including local historians and archivists
- Initial consultation determined that no protected properties are located within the Jericho Study Area
- At least 40 sites, 50 potential built heritage resources and approximately three cultural heritage landscapes were identified in the study area
- A Cultural Heritage Assessment report will be submitted to MTC for review and will:
 - ✦ Identify cultural heritage resources within the study area
 - ✦ Describe potential negative effects on heritage resources during construction, operation and decommissioning
 - ✦ Propose mitigation measures to avoid or minimize negative effects on those resources



Historical Mapping of Study Area

Cultural Heritage – Bornish Project

- A Cultural Heritage Assessment is currently being carried out to assess built heritage resources and cultural heritage landscapes located within the study area
- Upon completion, a comprehensive report of the findings will be generated and submitted to the MTC for the review and comment
- Findings from the cultural studies will be considered in the wind farm design to minimize impacts as much as possible



Historical Mapping of Study Area

Natural Heritage: Water – Jericho Project

- Aquatic studies have been underway since the summer of 2011
- This work involves aquatic biologists visiting watercourses within 120 m (394 feet) of proposed project infrastructure and conducting investigations to:
 - ✦ Measure stream width and depth
 - ✦ Characterize vegetation cover, substrate composition and water flow patterns
 - ✦ Observe the presence of fish and groundwater
- Findings from these studies will be used to determine potential effects on fish, water quality and surface and ground water quantity as a result of the proposed project. These findings are being considered in the wind farm design to minimize impacts as much as possible
- NextEra Energy Canada will submit a Water Assessment and Water Body Report to the Ministry of the Environment that will outline potential effects, proposed mitigation measures and monitoring commitments and determine the significance of residual effects
- NextEra Energy Canada will obtain all applicable permits from the appropriate approval agencies (Ausable-Bayfield Conservation Authority, St. Clair Region Conservation Authority, and the Ministry of Natural Resources)

