

Figure 1: Transmission route

2 **RESULTS**

An assessment of the revised Project layout and new transmission route was undertaken by Scarlett Janusas Archaeological and Heritage Consulting and Education (SJAHCE). A site visit was conducted on March 12, 2012 to investigate whether there were any heritage resources on the lands that extended beyond the original study area, i.e. the proposed transmission corridor.

The additional site visit and research indicated that the transmission line infrastructure and areas of direct and indirect impacts are not located on any protected properties or potential cultural heritage features of significance or interest, based on correspondence from the MTCS, Ontario Heritage Trust, the municipalities of Middlesex, North Middlesex and the Township of Adelaide Metcalfe (Appendix D).

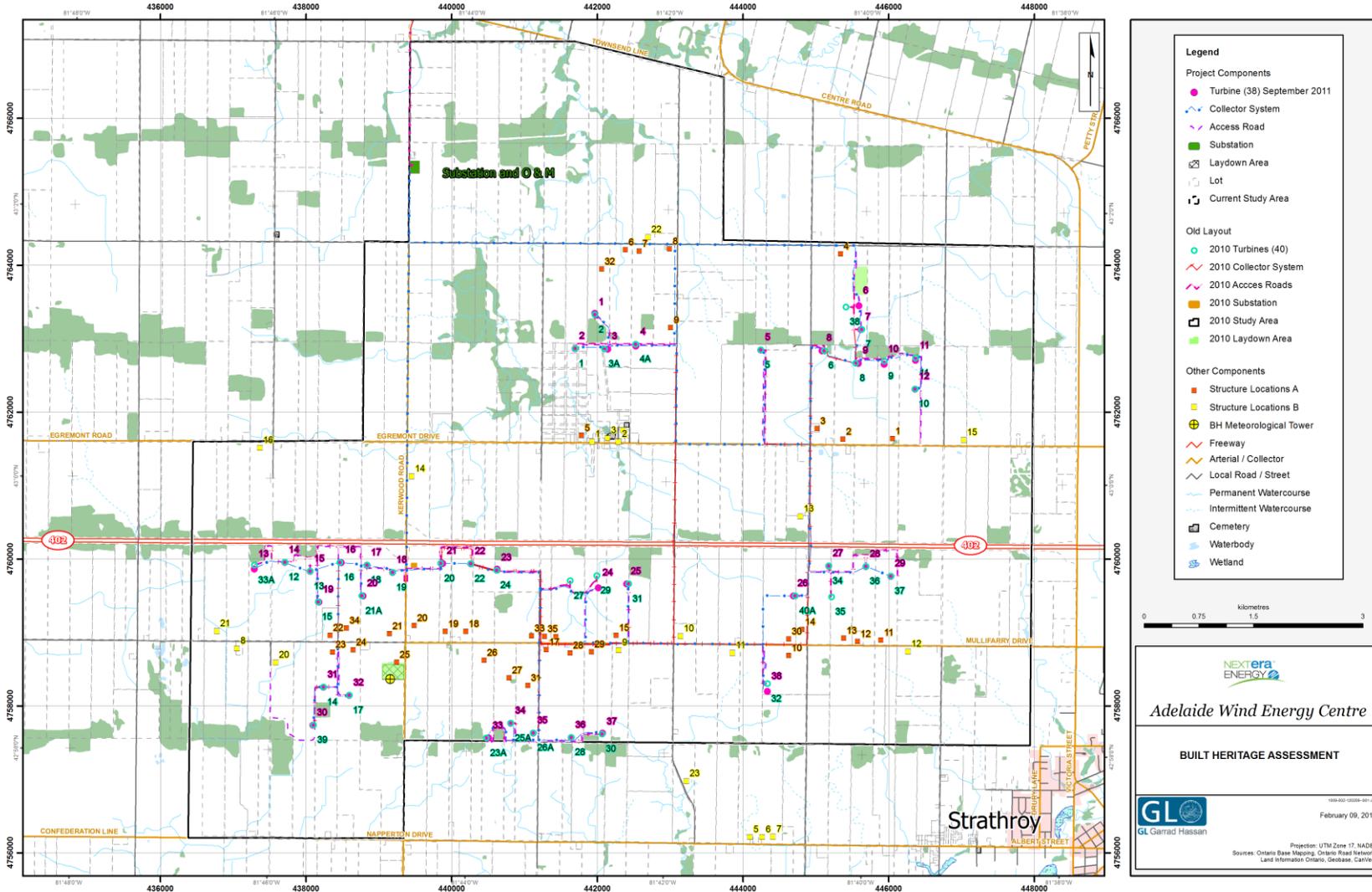
In summary, the changes made to the Project layout as presented in Table 1 have been considered. All turbine positions that have been modified have remained within the original study area and therefore have been evaluated accordingly for potential impact on cultural heritage features. The addition of the transmission route, switchyard and point of interconnect have also been adequately studied. It is recommended that the same mitigation measures proposed in the 2010 Golder submission be applied to the new substation location, i.e. appropriate siting and the use of landscape design measures such as massing and screening. In conclusion, the revised component locations for the Project do not directly or indirectly impact any protected properties or potential cultural heritage features of significance or interest.

REFERENCES

- [1] *Ontario Regulation 359/09*, made under the *Environmental Protection Act*, Renewable Energy Approvals under Part 1.0 of the Act.

- [2] *Ontario Regulation 521/10*, made under the *Environmental Protection Act*, Renewable Energy Approvals under Part 1.0 of the Act.

APPENDIX A BUILT HERITAGE ASSESSMENT



APPENDIX B MTCS LETTER

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September 10, 2010

Mr. Thomas Bird
Environmental Services Project Manager
NextEra Energy Canada, ULC
5500 North Service Road, Suite 205
Burlington, Ontario
L7L 6W6

RE: Adelaide Wind Farm

Location: Various Lots, Concession 1 to 5 N.E.R. and 1 to 4 S.E.R., Township of Adelaide, Middlesex County, Ontario

FIT-FZEYQNB

MTC DPR File No. 39EA022

Dear Mr. Bird:

This letter constitutes the Ministry of Tourism and Culture's written comments as required by s. 23(3)(a) of O. Reg. 359/09 under the *Environmental Protection Act* regarding heritage assessments undertaken for the above project.

Based on the information contained in the report you have submitted for this project, the Ministry is satisfied with the heritage assessment. Please note that the Ministry makes no representation or warranty as to the completeness, accuracy or quality of the heritage assessment report.*

The report recommends the following:

10.0 Recommendations:

Given that the potential wind turbines and associated infrastructure are to be localized on chosen participating parcels within the study area, the cultural features that are located on those parcels were photographed and evaluated according to OHA Regulation 9/06. From the 47 structures that were identified to be greater than 40 years old, 42 (27 houses and 15 barns) were determined to have general historical significance. When further applying the criteria set out in OHA Regulation 9/06, none of these structures were determined to have cultural heritage value or interest. These buildings are heritage resources, for the fact that they do contribute to a broad understanding of agricultural development in the area, but they are not significant enough to warrant designation or further investigation.

The rural cultural heritage landscape located on the project lands and land abutting project lands has been determined not to be of cultural heritage value or interest. However, as the construction of the project turbines and associated structures will have a visual impact on the landscape of the study area, it is recommended that the visual impact of the substation located on the east side of Kerwood Road, south of the 402 (Figure 2) should be minimized with appropriate siting/location of the substation, and landscape design such as massing and screening.

The Ministry is satisfied with these recommendations.

This letter does not waive any requirements which you may have under the *Ontario Heritage Act*. Also, this letter does not constitute approval of the renewable energy project. Approvals of the project may be required under other statutes and regulations. It is your responsibility to obtain any necessary approvals or licences.

Please feel free to contact me if you have questions or require additional information.

Sincerely,



Laura Hatcher
Heritage Planner

cc:

Christopher Andreae, Project Manager
Golder Associates

Chris Schiller, Manager
Culture Services Unit, Programs and Services Branch, MTC

* In no way will the Ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

APPENDIX C GOLDER ASSOCIATES HERITAGE ASSESSMENT



September 2010



HERITAGE ASSESSMENT

Adelaide Wind Farm Various Lots, Concession 1 to 5 N.E.R. And 1 to 4 S.E.R., Geo. Township of Adelaide Middlesex County, Ontario

Submitted to:
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Environmental Services Project Manager
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5500 North Service Road
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REPORT



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- 3 Copies - Ontario Ministry of Tourism and Culture
- 2 Copies - Golder Associates Ltd.





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Executive Summary

In 2009, the Government of Ontario passed the *Green Energy and Green Economy Act* as a method of integrating more renewable energy into the Province's power grid and increasing energy conservation and sustainability (Government of Ontario, 2009; MOE, 2009). Regulation 359/09 of the *Environmental Protection Act* (EPA) defines the requirements for a proposed Renewable Energy project to achieve Renewable Energy Approval (REA). The Regulation integrates requirements under the *Environmental Assessment Act* within a new Regulation under the EPA. This Heritage Assessment for the proposed Adelaide Wind Farm was undertaken in order to meet the REA requirements as outlined in Ontario Regulation 359/09, which is part of the EPA.

The Heritage Assessment was based on a researched land use history of the study area. This research provided a framework within which to evaluate the significance of historic structures and landscapes. The historical background of the area at times considers a somewhat broader spatial and temporal view in order to place the histories of the subject lots within a meaningful context.

The study area has been determined to represent a single rural cultural heritage landscape with no separate cultural landscapes located on the project lands and land abutting project lands that have been determined to have cultural heritage value or interest. Given that the potential wind turbines and associated infrastructure are to be localized on chosen participating parcels within the study area, the cultural features that are located on those parcels were photographed and evaluated according to OHA Regulation 9/06. From the 47 structures that were identified to be greater than 40 years old, 42 (27 houses and 15 barns) were determined to have general historical significance. When further applying the criteria set out in OHA Regulation 9/06, none of these structures were determined to have cultural heritage value or interest. These buildings are heritage resources, for the fact that they do contribute to a broad understanding of agricultural development in the area, but they are not significant enough to warrant designation or further investigation.

The construction of the project turbines and associated structures will have a visual impact on the rural cultural heritage landscape of the study area. This rural cultural heritage landscape that is located on the project lands and land abutting project lands has been determined to have no cultural heritage value or interest. However, it is recommended that the visual impact of the substation located on the east side of Kerwood Road, south of the 402 (Figure 2) should be minimized with appropriate siting/location of the substation, and landscape design such as massing and screening.

The Executive Summary highlights key points from the report only; for complete information and findings, as well as the limitations, the reader should examine the complete report.



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APPENDICES

APPENDIX A

Cultural Structures located on Participating Parcels with Proposed Turbine Related Activities

APPENDIX B

Representative Cultural Structures located within the Study Area or on Participating Parcels that Do Not have Proposed Turbine Related Activities



1.0 STUDY PURPOSE AND METHODOLOGY

Golder Associates Ltd. (Golder) was retained by NextEra Energy Canada, ULC to conduct a Heritage Assessment as part of an application for a Renewable Energy Approval (REA) for the proposed Adelaide Wind Farm (the Project) (Figure 1 and Figure 2). The study area consists of approximately 8275 hectares located in the Township of Adelaide-Metcalfe, in Middlesex County, Ontario. The study area limits that were used for the purposes of this Heritage Assessment are indicated as “Site Study Area” on Figure 2.

The Project consists of the installation of 40 wind turbines within the defined study area of Adelaide-Metcalfe Township. The proposed turbines are primarily located at the back of farm lots, away from concession roads and a large grouping is proposed to the south of the Highway 402 Corridor in order to mitigate potential heritage impacts.

The Heritage Assessment was based on a researched land use history of the study area. This research provided a framework within which to evaluate the relevance of historic structures and landscapes. Field surveys were conducted on November 17, 2009 and March 22, 2010. Given that the potential wind turbines and associated infrastructure are to be localized on chosen participating parcels within the study area, the cultural features that are located on those parcels were photographed and evaluated according to OHA Regulation 9/06.