

Notice of completion of draft Environmental Study Report

Longwood to Lakeshore Transmission Line project

September 2025

Hydro One has completed the draft Environmental Study Report (ESR) for the Longwood to Lakeshore Transmission Line project. Now, you're invited to provide feedback.

The proposed project involves building two single-circuit, 500 kilovolt (kV) transmission lines between Longwood Transformer Station (TS) in the Municipality of Strathroy-Caradoc and Lakeshore TS in the Municipality of Lakeshore. In addition to the line work, the proposed project also includes an expansion of Lakeshore TS, on property owned by Hydro One, as well as upgrades and the eventual expansion of Longwood TS to connect the new lines.

Energy demand in the region is anticipated to quadruple by 2035. Once built, the new transmission line will help meet electricity needs and support future growth in southwest Ontario. The in-service date for the first line is planned for 2030 and is expected to add approximately 550 megawatts (MW) of power to the region's electricity network. The in-service date for the second line will be determined by the Independent Electricity System Operator.

As part of the Class Environmental Assessment (EA) for the project, Hydro One has evaluated route alternatives, selected a preferred route, assessed the potential environmental effects of the project, and identified mitigation measures to address these effects. We'll continue to work with landowners as design and construction planning for the project continues. For more information on the project and the Class EA process, please visit HydroOne.com/Longwood-to-Lakeshore. For a map of the proposed line, please see the next page.

Next steps and providing your input

The draft ESR is available for a public comment period from September 15, 2025 to October 15, 2025. The report summarizes the Class EA process, which was conducted in accordance with the approved Class EA for Transmission Facilities (2024) under Ontario's *Environmental Assessment Act*.

Please provide any comments by 4:30 p.m. on **October 15, 2025** addressed to:

Sara Barss, Senior Environmental Specialist, Hydro One Networks Inc.,
483 Bay St., North Tower, 14th Floor
Toronto, ON M5G 2P5



Comments can also be submitted to 1.877.345.6799
or Community.Relations@HydroOne.com.

Hydro One welcomes your feedback. We'll review and address all concerns brought to our attention before finalizing and submitting the ESR to the Ministry of Environment, Conservation and Parks (MECP). The project will then be considered acceptable to proceed as outlined in the ESR. We'll continue to work with community members as design and construction planning continue.

A request may be made to the MECP for an order requiring a higher level of study (i.e. a Comprehensive EA) or that conditions be imposed (e.g. require further studies) before the project can proceed. However, this request can only be made on the grounds that the requested order may prevent, mitigate or remedy adverse impacts on constitutionally protected Indigenous and treaty rights. The MECP will not consider requests on other grounds. Requests should include the requester's contact information and specify what kind of order is being requested (request for conditions or Comprehensive EA); how an order may prevent, mitigate or remedy potential adverse impacts on Indigenous and treaty rights; and any information in support of the statements in the request.

We're here to help

If you would like any further information or have any questions, please contact Community Relations at:

 1.877.345.6799  Community.Relations@HydroOne.com



Where to find the draft ESR:

The draft ESR and Highlights documents can be viewed electronically on Hydro One's website at HydroOne.com/Longwood-to-Lakeshore.



Printed copies are available at the following locations:

Essex County Library
– **Toldo Branch (Atlas Tube Recreation Centre)**
447 Renaud Line Road
Belle River, ON

Chatham-Kent Public Library
– **Chatham Branch**
120 Queen Street
Chatham, ON

Chatham-Kent Public Library
– **Bothwell Branch**
320 Main Street
Bothwell, ON

Glencoe Library
123 McKellar Street
Glencoe, ON

Chatham-Kent Public Library
– **Tilbury Branch**
2 Queen Street
Tilbury, ON

The request should be sent in writing or by email to:

Minister, Ministry of the Environment, Conservation and Parks
777 Bay Street, 5th Floor,
Toronto ON M7A 2J3
Minister.mecp@ontario.ca

Director, Environmental Assessment Branch
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West,
1st Floor, Toronto ON M4V 1P5
EABDirector@ontario.ca

Requests should also be copied to Hydro One at the address provided on the front page. Please visit the Ministry's website for more information on requests for orders under Section 16 of the *Environmental Assessment Act* at: ontario.ca/page/class-environmental-assessments-section-16-order.

If no Section 16 Order requests are submitted during the comment period, Hydro One may, under the *Environmental Assessment Act*, proceed with the project.



Longwood to Lakeshore project

Map Legend

- Transformer Station (TS)
- Preferred Route 3B
- Local Study Area (500 m buffer on either side of the route alternatives)
- Existing Transmission Line
- Highway
- Municipal Boundary
- Waterbody
- First Nation
- Built Up Area

Note: The illustrated route represents two transmission lines with parallel alignments, except near Longwood TS where the two lines have slightly different alignments exiting the station.

Please visit our online interactive map for a more detailed view:
HydroOne.com/Longwood-to-Lakeshore

