

**From:** [IESO Engagement](#)  
**Subject:** Ongoing Work to Support Growth in Southwest Ontario  
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In our continued efforts to support economic growth and development in Southwest Ontario, the IESO has released a new regional electricity planning study that focuses on meeting the future needs in the Kingsville-Leamington area. The final [Report](#) and [Appendices](#) for the Windsor-Essex Integrated Regional Resource Plan (IRRP) Addendum has been posted [online](#).

Recommendations within the Windsor-Essex IRRP Addendum include:

- Two new 230 kV stations in the Kingsville-Leamington area and connection lines from the new Lakeshore Switching Station that will provide around 400 MW of additional capacity to the area, and,
- Further exploration of measures to address load restoration needs, including a new 230 kV line between stations in Kingsville and Leamington, non-wires alternatives such as distributed energy resources, and/or distribution-level transfers.

Given the magnitude of electricity demand growth, transmission system changes, and quickly-evolving greenhouse sector, this study ensured that remaining needs in the Kingsville-Leamington area would be addressed with the most current information and through public engagement. Conducting the study in advance of the third cycle of regional electricity planning for Windsor-Essex (starting Q3 2022) and in parallel with the [West of London Bulk Plan](#), enabled improved coordination of solutions development and continuous dialogue with communities and stakeholders.

This report forms part of the multi-pronged approach to support high growth driven by the rapidly expanding local indoor agriculture sector. Other studies include the West of London Bulk Plan released in September 2021 and the Windsor-Essex IRRP in September 2019. For background about the study scope, engagement, and details about the electricity planning area including access to all the planning reports, visit the [engagement webpage](#).

Engaging with communities and stakeholders has been essential to inform the magnitude of growth in the area and the variety of solutions needed to ensure an adequate and reliable supply of electricity is available in the long-term. Thank you to all those who were involved in this process.

**Related Information:** The Ministry of Energy is inviting [comments](#) on a set of proposed actions to facilitate the timely development of key electricity transmission projects in Southwest Ontario. Feedback is being collected until March 7 through the Environmental Registry of Ontario (ERO). These proposed actions include:

- Prioritization of three new transmission projects recommended by the IESO: (Chatham to Lakeshore line, Lambton to Chatham (St. Clair) line, and Longwood to Lakeshore line)
- Designation of Hydro One as the transmitter of those priority projects, and,

- Requiring Hydro One to undertake early development work on future projects that may potentially be required over the longer term: a second 500 kV transmission line from Longwood Transformer Station to Lakeshore Transformer Station and a 230 kV line from Windsor to Lakeshore Transformer Station (in the municipality of Lakeshore)

The IESO appreciates participation and input, and looks forward to more discussions with the [Southwest Regional Electricity Network](#). [Register](#) on [IESO Connects](#) and [subscribe](#) for

Please contact [engagement@ieso.ca](mailto:engagement@ieso.ca) if you would like to discuss the IRRP Addendum or if you have any questions.

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++ This email is being sent to all municipalities, IESO subscribers for the Windsor-Essex region, past engagement participants and Southwest Regional Electricity Network members. To subscribe for regional planning updates or manage your subscription, please visit <https://www.ieso.ca/subscribe>

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