

Feedback Form

Electricity Planning in the West of London Area – July 15, 2021

Feedback Provided by:

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West of London Bulk Plan

Topic	Feedback
What feedback do you have regarding the preferred option of a combination of new transmission line from Longwood TS (near the City of London) to Lakeshore TS and local generation?	We recommend Option #1, and appreciate that the timing aligns with Chatham Lakeshore. While we support the long-term view, we cannot stress enough that there are immediate and urgent energy supply issues in Southwest Ontario. The lack of energy supply is already having impacts on the greenhouse industry's ability to grow (economic development) and provide Ontarians with reliable food supply.

Topic	Feedback
<p>What feedback do you have regarding a 230 kV versus 500 kV line?</p>	<p>On the surface, we recommend that IESO proceed with the 500 kV line as it offers significantly more operational flexibility and can accommodate future growth.</p> <p>Proceeding with a 500 kV line will require that the IESO consider local generation in addition to the 500 kV line. We encourage the IESO to proceed with the RFP process at the earliest opportunity and explore various partnership models.</p> <p>However, we urge the IESO to provide a cost analysis relating to the options explored to better understand all implications.</p>
<p>What other information should be considered in finalizing the recommended solution and final report?</p>	<p>Develop programs/RFPs that focus on local generation to fill the gap between 2021 and 2030. The area is currently in an energy deficit, and it is urgent. The greenhouse sector is continuing to expand, and energy is a limiting factor to future growth.</p> <p>While we understand the rationale behind extending the Brighton Beach contract, we do not support the extension. We strongly recommend that IESO provide cost comparison with other resources. We also suggest that IESO look at other participation/partnership models that leverage local greenhouse suppliers that will have the ability to utilize heat and CO2.</p>

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<p>What feedback do you have regarding the proposed list and format of datasets that will be made available with the West of London Bulk Plan (see Appendix)?</p>	<p>We support the proposed data sets. We urge the IESO to be transparent with their findings and provide cost comparisons based on resources and the various options being considered.</p> <p>We also recommend transparency regarding Brighton Beach production costs, including the costs of destroying the heat. It is not just production costs, but also sustainability aspects (ability to use all heat and CO2).</p>

Windsor-Essex Integrated Regional Resource Plan (IRRP) Addendum

Topic	Feedback
<p>What feedback do you have regarding the preferred option for additional local 230 kV load supply stations and connection lines to the Kingsville area?</p>	<p>We strongly support the Leamington TS and South Middle Road upgrades and should be included in all future plans.</p>
<p>What feedback do you have regarding the options to address load restoration needs in the Kingsville and Leamington area? Including a potential new 230 kV double-circuit line between Leamington TS and the proposed new stations, or resource alternatives.</p>	<p>We also encourage IESO to explore alternatives such as developing a distributed generation plan and other resource alternative for the Southwest area.</p> <p>We support the between line Leamington TS and the new stations.</p>
<p>What feedback do you have regarding the considerations for long-term generation in the Windsor area?</p>	<p>The growth in the Southwest is being driven by greenhouse growth in the Leamington/Kingsville area. Therefore, IESO capital investment should be focused in the areas where the need is greatest.</p>

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What other information should be considered in finalizing the recommended solution and final report?	It is important that IESO support local generation options in the short term given the capacity and supply gap that currently exists in the Southwest region.

General Comments/Feedback

We are encouraged by the IESO’s focus on the regional needs. We recognize that infrastructure development requires time, however, there is an urgent immediate need that must be addressed. Any expediting of timelines relating to power lines is encouraged as well supporting local energy generation to meet immediate supply and capacity needs. Supporting local (greenhouse) generation is critical to the economic development of the as area and ensuring we maintain Ontario’s food security.

Appendix: West of London – Information Sharing Summary

The following table outlines the datasets that will be made available with the West of London (WOL) bulk study, as well as the format.

Category	Format	Description of Data
Planning Assessment Criteria	PDF, in report	Technical requirements and standards used to determine needs
Load Forecast	PDF, in report	Methodology and sensitivities/known drivers
Load Forecast	PDF, in report	Total West of London Annual coincident low, reference, and high scenarios for summer and winter
Load Forecast	PDF, in report	Annual station peak forecasts, by region
Load Forecast	PDF, in report	Annual greenhouse peak forecasts
Load Forecast	PDF, in report	Peak segmentation assumptions for West of London stations with greenhouse load

Category	Format	Description of Data
Load Forecast	Excel	Forecast West of London greenhouse hourly load profiles (2021, 2035)
Load Forecast	Excel	Forecast West of London total hourly load profiles (2021, 2035)
Load Forecast	Excel	Historical hourly station load profiles (2019)
Interface Data	PDF, in report	Capacity need methodology, Interface definition, limits, and driving issues
Interface Data	Excel	Hourly capacity need, no reinforcements/recommendations (2028-2035)
Interface Data	Excel	Hourly capacity need, with near-term recommendations (2028-2035)
Interface Data	Excel	Hourly capacity need, with near- and long-term recommendations (2028-2035)
Analysis of Alternatives	PDF, in report	Assessment criteria and principles for decision-making
Economic Assessment Assumptions	PDF, in report	Assumptions used in the analysis and evaluation of options