Feedback Form

Regional Electricity Planning in Windsor-Essex – April 19, 2023

Feedback Provided by:

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To promote transparency, feedback submitted will be posted on the Windsor-Essex engagement web page unless otherwise requested by the sender.

Following the Windsor-Essex regional electricity planning webinar held on April 19, 2023, the Independent Electricity System Operator (IESO) is seeking feedback on the draft Scoping Assessment Outcome Report posted on the IESO's website. The draft report and webinar presentation, which provides an overview of these feedback requests, can be accessed from the engagement webpage.

Please submit feedback to engagement@ieso.ca **by May 3, 2023**. If you wish to provide confidential feedback, please submit as a separate document, marked "Confidential". Otherwise, to promote transparency, feedback that is not marked "Confidential" will be posted on the engagement webpage.

Topic	Feedback
What additional information should be considered as part of the Scoping Assessment?	Opportunities to identify new Transmission Infrastructure. As growth extends beyond traditional development areas, considerations should be given to extending the system or adding new Transmission Stations. Examples: • 115 KV or 230 kV line towards Amherstburg • New Transmission stations or upgrades to Transmission stations serving current and future industrial parks (i.e. new transmission station between Malden TS and H54Z on 230kV system) • Upgrades to system serving Tilbury Updated growth projections from municipal and Invest Windsor Essex sources.
What other considerations should be made regarding the areas identified as requiring further study through a regional planning approach based on local developments?	Consider increasing forecast period to include the year 2050 (Net-Zero target year) or beyond. How does the electrification of home heating, vehicle fueling, and manufacturing impact forecasts? It is expected that by 2035 100% of new vehicles sold will be electric. Is there an estimate of additional electrical demand due to fuel switching from natural gas and gasoline? Suggestion: Forecasts to include a number of scenarios (i.e. base load, CDM Savings, and growth). Growth scenarios to extend beyond committed demand and include probable (in progress, likely, but not committed) and stretch (inquiries, <30% probability, and placeholder(s) for "whale" 100MW+ load additions). Plans should incorporate Federal Clean Electricity requirements. Energy conservation measures, including how other provincial policy can actively reduce the need for new generation - e.g. improved energy efficiency in the building code. Could actively support Community Energy Plans and their energy conservation initiatives

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What other areas or specific considerations should be examined through regional planning?	Electricity generation from new solar and wind assets. In order to meet commitments to decarbonize the electricity system, renewable generation and opportunities for its expansion should be considered. Most recent Report from IPPC refers to the importance of Solar and Wind generation. https://report.ipcc.ch/ar6syr/pdf/IPCC_AR6_SYR_SPM.pdf (pg. 28) System reliability, resiliency, and redundancy measures to ensure system integrity as end-users shift away from carbon-based energy solutions to electrification (i.e. adding home heating and vehicle charging to system). Clean Electricity Standard, the role of Municipal Energy Planners

General Comments/Feedback

IRRP scope is currently focused heavily on Leamington/Kingsville. This area has significant pent up demand, but it is important to keep in mind other areas are also nearing capacity. As the planning cycle is long (5-10 years), the Windsor-Essex Planning region is vulnerable to shortages/ shortfalls in system capacity should a large load addition be requested in an area outside of Leamington / Kingsville. Recent discussions with the IESO has identified a gap between local economc development and planning and regional transmission system planning.

In the Fall of 2022, Power Advisory provided the City of Windsor with a report on Electricity Resource Options for the City of Windsor which mentioned a plan to install a 230KV line between Lakeshore TS and Windsor in 2032+. No other reference to this line was found in the documentation presented by the IESO. Would like to see a proposal for this line in the IRRP, with an accelerated timeline if possible. Is there any planning underway to address growth in Windsor?

April 19 Presentation slide #17: Previous recommendations included the upsize of Keith T11/T12 and Lauzon T5/6. Question: Will these upgrades allow for growth over what is currenty forecasted, or has the capacity generated by these upgrades already been spoken for?

April 19 Presentation slide #23: Preliminary Needs: 3. Lauzon TS Station Capacity. How does the development of Sandwich South impact the available capacity of Lauzon TS? New Battery plant is under construction. Plans to build the Mega Hospital in the area. Once hospital is built, suppporting facilities and neighbourhoods will start development. Is there an opportunity to create a new TS to service this area, to share the load and offer reliablity, resilency, and redundancy to the area? Tie in with Windsor's Community Energy Plan.

April 19 Presentation slide #29: Local Developments & Considerations – Local Plans. The City of Windsor is in the process of updating Community Energy Plan and Climate Change Action Plans to

include net-zero and interim science based targets. Local businesses (especially those with international operations) also have Net-Zero targets and will be pushing for electrification and zero carbon electricity in order to meet their targets. GHG emissions are key performance indicators and play a role in deciding which facilities recieve new products or have existing product lines extended.