Toronto Scoping Assessment Webinar

Supplementary Feedback

The IESO held a public webinar for regional planning in Toronto on February 16, 2023. The purpose of the webinar was to seek input on the draft Scoping Assessment Outcome report for the Toronto region, which recommends the most appropriate planning approach going forward to meet electricity needs identified as requiring regional coordination in the recent Needs Assessment process. The presentation material and recorded webinar, along with the final Scoping Assessment Outcome report and the IESO's response to feedback received are available on the **engagement webpage**.

Supplementary feedback was received after the two-week feedback window for this engagement. The IESO appreciates the input, which will be considered as part of the next step of regional electricity planning that includes a coordinated regional planning approach and development of an electricity plan – Integrated Regional Resource Plan (IRRP) – for the Toronto region.

Feedback was received from the following parties and the full submissions can be viewed on the engagement webpage:

- **Enbridge**

This document summarizes the supplementary feedback received along with the IESO's response.

Feedback Provider: Enbridge

Feedback: How will encouragement/enhancement of energy efficiency be considered in the City of Toronto to reduce peak demand?

IESO Response: As part of the regional planning process, energy efficiency, also known as Conservation and Demand Management (CDM), is incorporated into the demand forecast. The IRRP applies a top-down approach to estimate peak demand savings from provincial CDM programs and provincial building codes & equipment standards. These peak demand savings are applied to develop a net demand forecast(s) which is used to determine needs.

Incremental CDM is also considered as a potential option to meet identified electricity needs. Where the regional planning process identifies a need, the IESO conducts an initial screen to assess the applicability of targeted CDM (i.e., incremental to provincial CDM programs) as a non-wires solution. The screen considers the timing of the need, the size of the need as a percentage of load forecast, local support for conservation initiatives and other factors that impact the feasibility of CDM as a non-wires solution. If this screen is passed, the IESO develops an estimate of the quantity of cost-effective CDM potential available in the region incremental to already committed program savings, and the cost to acquire it. These estimates are informed by the **IESO's Achievable Potential Studies** adjusted to regional conditions.

Feedback Provider: Enbridge

Feedback: In the development of the IRRP electricity demand forecast, Enbridge Gas suggests that a diversified scenario that includes both electric and low-carbon gas (i.e., renewable natural gas and hydrogen) be considered.

IESO Response: Thank you for your feedback and input.

As the first step in the IRRP process, the Technical Working Group (TWG) will be developing electricity demand forecasts based on known drivers including the City of Toronto's net zero strategy, growth plans in the Port Lands and Downsview areas, and Toronto Hydro's Climate Action Plan.

The TWG is open to developing more than one forecast scenario to explore different rates of electrification. Input from Enbridge on the amount of demand that could be supplied from low-carbon fuels could be considered in developing such a scenario. The draft load forecasts (including any possible forecast scenarios) will be presented to communities and stakeholders through our engagement process for review and feedback before being finalized.

Feedback Provider: Enbridge

Feedback: How will coordination of electric system and gas system planning will be factored into the regional planning efforts? Enbridge Gas believes that a coordinated approach to energy system planning between the electric and gas sectors will ensure that the most reliable, resilient and cost-effective pathway to emissions reduction is identified. Specifically, a coordinated and holistic approach to planning can ensure that energy systems in the Toronto and York Regions are optimized to support the regions in achieving their greenhouse gas (GHG) emission reduction targets.

Coordination efforts should happen at both the distribution and transmission system planning levels to ensure existing systems are leveraged.

Enbridge Gas is prepared and would welcome the opportunity to work with IESO and the core Toronto Working Group (Toronto Hydro and Hydro One Transmission) on its Integrated Regional Resource Plan (IRRP) for the Toronto and York Regions, and to explore the optimal scenario that leverages the benefits of both energy systems to meet the local energy needs.

Enbridge Gas believes that Ontario can benefit from a balanced and orderly transition to a low emission and diversified energy system, with the incorporation of new energies technologies over time. A collaborative and coordinated approach to energy planning can result in better investments in both the gas and electricity systems and drive optimal solutions for the Toronto and York Regions

IESO Response: Thank you for your interest in participating in the Toronto Region IRRP engagement process. Engaging with interested parties, including municipalities, Indigenous communities, businesses, and other stakeholders, is fundamental to this integrated approach to electricity planning. Throughout the IRRP process, the TWG identifies specific priorities and recommends actions to meet electricity system needs over the 20-year horizon of the plan. Feedback is invited throughout the process on topics including but not limited to the electricity demand forecast, needs identification, options analysis, and recommendations.

The IESO and the TWG recognizes the potential benefits of coordination between electricity planning and gas planning processes. The IESO welcomes the opportunity to work with Enbridge to review the Toronto region electricity demand forecast (and any applicable scenarios) within this cycle of regional planning through focused discussions between the TWG and Enbridge. The draft forecast and any applicable scenarios will then be brought forward during the IRRP engagement process where other communities and stakeholders have the opportunity to offer feedback. Once the forecasts are finalized, the TWG will study options for meeting the electricity demand in those scenarios and seek input from communities and stakeholders on those options.