Peterborough-Kingston Integrated Regional Resource Plan

Responses to Public Feedback Received on Scoping Assessment

The IESO launched a new engagement initiative to seek input into the development of an Integrated Regional Resource Plan (IRRP) for the Peterborough-Kingston region. As part of this engagement initiative, a public webinar was held on April 16, 2020 that presented an overview of regional electricity planning activities for the Peterborough-Kingston region, to discuss and seek feedback on the draft Scoping Assessment that sets out the regional electricity planning approach for any needs identified for further assessment, and to outline next steps in the regional planning process for the region.

Communities and stakeholders were invited to provide feedback for consideration to inform next steps in the planning process. The presentation material is available on the engagement webpage.

Feedback was received from the **Mohawks of the Bay of Quinte** which we have set out below with the IESO's responses. The IESO appreciates the feedback received and it will be considered by the Technical Working Group as its work continues on the development of the Integrated Regional Resource Plan (IRRP) and ongoing engagement activities. (The Peterborough-Kingston IRRP Technical Working Group consists of Eastern Ontario Power, Elexicon Energy, Kingston Hydro, Lakefront Utilities, Peterborough Utilities, Hydro One Networks and the IESO.)

Theme 1: Condsideration of the impact that service disruption would have on the community

Feedback from Mohawks of the Bay of Quinte:

There are approximately 1,200 homes and 200 businesses located within the Tyendinaga Mohawk Territory with critical above ground infrastructure, including a water treatment plant and related wastewater lift stations and wastewater collection distribution. Any disruption to electricity service during the regional planning process would have significant impacts to the community.

IESO Response:

The objective of regional electricity planning is to develop long-term plans with a 20-year outlook that examine the unique needs of each of the 21 planning regions in the province. Planners develop recommendations on how best to meet reliability needs, taking conservation, generation, transmission and distribution, and innovative resources into consideration when developing recommendations to meet future electricity needs. Throughout the process, the IESO works with the local distribution companies (LDCs) and the transmitter (Hydro One in the case of Peterborough-Kingston Region) to ensure regional issues and requirements are effectively integrated into the electricity planning processes. This includes data collection, forecast modelling of the electricity system using various scenarios, analysis, stakeholder and community engagement, and documentation of recommended outcomes. Typically, regional planning has no bearing on the real-time supply of electricity and usually does not disrupt local electricity service. In the case where the implementation of a recommended solution to a local need does result in an outage, notification of the outage and details of the duration is typically provided in advance by the area's local electricity distribution company.

Theme 2: Alignment of station capacity with local economic development

Feedback from Mohawks of the Bay of Quinte:

The Tyendinaga Mohawk Territory is served by two distribution stations; Shannonville Road and Mowbrays Sideroad. The draft Peterborough-Kingston Region Scoping Assessment does not include information on capacity status of these stations, or make mention of extending the capacity of these stations to allow for the Mohawks of the Bay of Quinte and Tyendinaga Mohawk Territory to maximize its commercial and industrial economic development potential. Access to safe and reliable electricity services is necessary to support community infrastructure operations and community development. The Mohawks of the Bay of Quinte would like further information on the current and planned capacity status of these two stations.

IESO Response:

The focus of the Scoping Assessment is to outline the needs identified in the area as requiring a regional coordinated planning approach by the Technical Working Group, reassess the areas that must be studied and the geographical grouping of needs, and determine the appropriate regional planning approach and scope where a need for regional coordination or more comprehensive planning is identified. Following this stage, the planning process moves on to the development of an Integrated Regional Resource Plan (IRRP) for the area, where the Technical Working Group develops a plan that puts forward a set of recommendations that examine a variety of resource options to address the electricity needs of the region with a 20-year outlook. Regional planning is done in all regions around the province every five years, at minimum.

The regional planning process focuses on the electricity system at the transmission system level, and does not include detailed distribution system forecasts at the station level. While the capacity of the two distribution stations that supply the Tyendinaga Mohawk Territory have been accounted for in the regional planning process, they are serviced by Hydro One Distribution. More detailed information on Hydro One's distribution plan for supply in the area of the Tyendinaga Mohawk Territory can be made available by Hydro One.

As an important part in the development of this IRRP, the IESO will continue to engage closely with communities to stay informed of initiatives in this planning region and to seek input on proposed options to meet the expected needs. The IESO values the work underway in planning the future of communities and municipalities as important inputs in this electricity planning process and appreciates the opportunity to stay informed and engaged in these initiatives through conversations to continue to learn more to ensure needs are being met. The IESO will provide more opportunities through this engagement initiative to learn about economic development and growth of the Mohawks of the Bay of Quas inte community to ensure this is taken into consideration for future electricity transmission planning.

Theme 3: Consideration of severe weather incidents into planning assumptions informing the planning process

Feedback from Mohawks of the Bay of Quinte:

There has been been inadequate consideration of climate change resiliency reflected in the draft Scoping Assessment. The community feels that the Peterborough-Kingston Technical Working Group would benefit from the completion of a Vulnerability Assessment in order to understand and demonstrate knowledge and preparedness measures for the impact of severe weather occurrences on the electricity system as a result of climate change.

IESO Response:

Regional planning ensures a cost-effective, reliable electricity supply is carried out in accordance with the regulated electricity system planning criteria for Ontario. These criteria include the use of an electricity demand forecast that reflects extreme weather conditions in various scenarios to ensure a reliable supply of electricity for the province. The criteria also consider the system's ability to respond to disturbances, such as the loss of a transmission line or transformer, which may be caused by extreme weather events.