

Integrated Regional Resource Plan Ottawa Sub-region Engagement Plan

I. Introduction

This Engagement Plan outlines the background, objectives and proposed timelines to seek input from communities for the development of a 2019 Ottawa Sub-region Integrated Regional Resource Plan (IRRP).

Input in the IRRP will be invited on:

- Population and growth rate forecasting including local economic development, projected growth and future plans especially around areas of intensification
- Potential options to address local needs identified within defined growth pockets over the near to medium term
- Opportunities to align community energy plans and other economic development plans for implementation in the medium to long term

As part of the engagement, the IESO will conduct targeted outreach to specific communities in which highly localized needs and issues have been identified.

The IESO encourages all parties with an interest in this initiative to participate in this engagement. All comments and inquiries in this engagement initiative can be directed to engagement@ieso.ca

This engagement plan may be subject to review and update as the process evolves.

II. Ontario's Regional Planning Process

Regional electricity system planning is a process for identifying and meeting local electricity needs to ensure a reliable electricity supply is contemplated within 21 electricity regions across the province. Regional planning is part of a broader planning context, which includes bulk and distribution system planning, with the objective of maintaining a reliable and cost-effective electricity supply. Each region's unique needs and characteristics are looked at from a 20-year outlook, and conservation, generation, transmission and distribution, and innovative resources are taken into consideration as options to meet those needs. In each region, the IESO works with the local distribution companies (LDCs), the transmitters and communities to ensure that regional issues and requirements are effectively integrated into the electricity planning process.

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Regional planning is a continual process, with electricity reliability evaluated at a minimum of every five years in each region. Community engagement plays a key role, and the IESO encourages all interested parties to join this discussion to:

- Learn more about the regional planning process, who is involved and local electricity needs
- Provide input into shaping a community's electricity future by discussing options for meeting local needs, including applicable non-wires alternatives, and discussing the local community's support for development of these options
- Share perspectives for future growth in the area, and how to work together to shape the area's future electricity supply
- Determine opportunities for coordinating and aligning local planning activities and initiatives with the regional planning process

For more information, visit the Regional Planning Process webpage at:

<http://www.ieso.ca/en/get-involved/regional-planning/about-regional-planning/how-the-process-works>

III. Background

2015 Ottawa Area Sub-region Integrated Regional Resource Plan

The first cycle of regional planning for the Ottawa Area Sub-region was completed with the release of an [IRRP](#) and [Regional Infrastructure Plan \(RIP\)](#) in 2015.

The IRRP completed in April 2015 that identified a number of near- and mid-term needs in the Ottawa Area Sub-region. Recommendations in the near-term included several transmission reinforcement projects to address demand growth and reliability needs, which are at various stages of completion.

In addition to the abovementioned reinforcement projects, an immediate need to supply demand growth in the South Nepean area, and a longer-term need to reinforce the 115 kV supply capability in the broader West Ottawa area were also identified. The [Power South Nepean](#) project lead by Hydro Ottawa and Hydro One commenced in April 2016, and development work is well underway.

The RIP was published in December 2015 to address transmission needs identified in the needs assessment and the IRRP. Some of the needs that were in the medium- to longer-term time frame were to be confirmed in this current regional planning cycle.

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2018 Ottawa Area Sub-region Scoping Assessment Outcome Report

This regional planning cycle started with the [Needs Assessment](#) report published by Hydro One in June 2018 that identified a number of capacity, restoration and sustainment needs. The [Greater Ottawa Region Scoping Assessment Outcome Report](#) was subsequently completed, which concluded a need for an IRRP and included a Terms of Reference (ToR) and formation of a Technical Working Group.

The Ottawa Area Sub-region Technical Working Group, led by the IESO, is responsible for establishing the IRRP ToR, gathering data, identifying needs and issues, examining integrated options, recommending preferred plans, and developing an implementation plan. The group consists of representatives from Hydro Ottawa Limited, Hydro One (Distribution) and Hydro One (Transmission). The Technical Working Group meets throughout the duration of this engagement initiative and will provide reports through various engagement opportunities.

IV. 2019 Ottawa Area Sub-region Integrated Regional Resource Plan

The Ottawa Area Sub-region includes the City of Ottawa, including the Greenbelt, Kanata, Nepean and Orléans (see Figure 1). Electricity distribution and conservation initiatives are carried out by two local distribution companies: Hydro Ottawa, a municipally owned utility which operates in the City and in the Village of Casselman, as well as Hydro One, which provides service to customers both in the City and in surrounding areas. Hydro One is also the transmission asset owner in the Region.

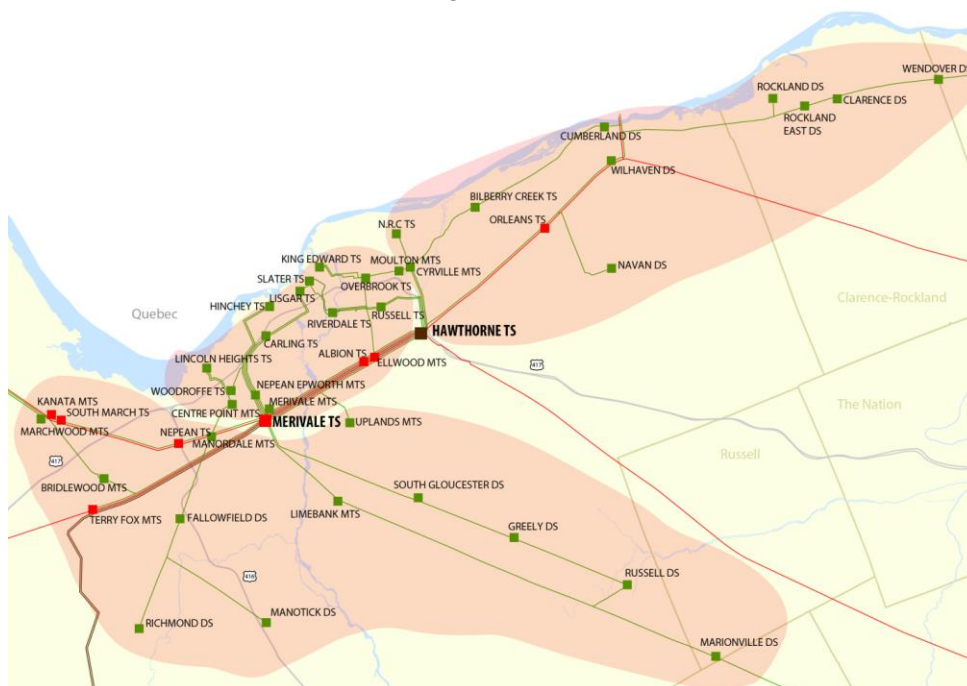


Figure 1 – Map of Ottawa Area Sub-region

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The IRRP will assess the adequacy of electricity supply in the Ottawa Area Sub-region, and develop a set of recommended actions to maintain reliability over the next 20 years (2018-2038). In addition to examining capacity, restoration and sustainment needs, the plan will also reconfirm and address needs previously identified in the last round of regional planning.

V. Interested Parties

Input from community engagement activities will be considered in the development of the IRRP, and the IESO encourages all interested parties, or their representatives to participate in this engagement. Parties that may have particular interest in this initiative include but are not limited to:

- Municipalities (particularly planning, sustainability and economic development staff)
- LDCs
- Consumer groups and associations (e.g. community/resident associations, Business Improvement Areas, home builders associations, etc.)
Local Boards of Trade and/or Chambers of Commerce
- Academia and research organizations (e.g. colleges and universities)
- Other public sector organizations (e.g. hospitals and school boards)
- Energy service providers
- Private entities

VI. Engagement Goal, Objectives and Scope

The objective of this engagement is to ensure that all interested parties understand the objectives of this initiative and can be informed about and provide input on the development of an IRRP for the region. The IESO is seeking input to ensure the IRRP is comprehensive, aligned with local needs, incorporates options to meet the growing electricity demand in the Ottawa Area Sub-region, and ensures a reliable source of electricity over the next 20 years.

Through this engagement, the IESO will welcome feedback on information used to identify local needs, such as:

- Population and growth rate forecasting
- Local economic development
- Projected growth and future plans (e.g. continued downtown growth, concentrated development surrounding LRT system, significant loads connecting to the system, etc.)
- Future options for addressing local needs, including non-wires alternatives and local support and interest for developing those options in the near- (5 year), medium (10 year) and long-term (20 year)

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- Data from municipal plans including plans for implementation, specifically community energy plans, Energy Reporting/CDM Plans, Official Plans and Secondary Plans

Topics out of scope for discussion include:

- Any projects and plans already underway as determined in the previous planning cycle
- Related bulk system transmission studies (bulk system supply to Ottawa, and end of life needs on a number of 230 kV circuits between Toronto area and Ottawa area) being carried out in parallel
- Other relevant studies being undertaken for the area (i.e. Local Achievable Potential Study)
- Renewable energy contracts
- Policy-level decisions or direction
- Regulatory Policy
- Existing program rules

VII. Approach and Methods

This engagement initiative will be conducted in accordance with the IESO [Engagement Principles](#).

This is a public engagement process. Materials will be posted on the dedicated <http://www.ieso.ca/Sector-Participants/Engagement-Initiatives/Engagements/Integrated-Regional-Resource-Plan-Ottawa-Area-Sub-Region> webpage. In addition, any information/input supplied by interested parties will be posted (with consent).

The approach for this engagement initiative includes opportunities for interested parties to provide input through various channels such as face-to-face meetings, webinars, information sessions, conference calls and/or written feedback. The IESO will consider all relevant input and illustrate how feedback was considered to shape the stated objectives.

This engagement initiative will be supported by the following:

- Broader public engagement – All interested parties will have an opportunity to provide input at various stages throughout the development of the Ottawa Area Sub-region IRRP. Details of these opportunities will be posted on the engagement webpage.
- Direct community outreach where necessary after which a summary of discussions and meeting notes will be posted on the dedicated [regional planning engagement webpage](#)

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VIII. Proposed engagement schedule for Ottawa Area Sub-region IRRP

Date	Action	Expected Actions
Q1 2020	Final IRRP	Posted along with responses to feedback, including rationale Engagement closed
November 27, 2019	Feedback due on draft IRRP recommendations	Posted
November 13, 2019	Public webinar #2 <u>Presentation</u> <ul style="list-style-type: none"> Overview of draft IRRP recommendations 	Presentation and recorded webinar posted Seek input on draft recommendations
June 21, 2019	IESO response to feedback	Final engagement plan and response document to feedback posted, including rationale
June 12, 2019	Feedback due on draft engagement plan, load forecast, preliminary local needs/issues and timelines	Posted
May 29, 2019	Public webinar #1 <u>Presentation</u> <ul style="list-style-type: none"> Overview of the regional electricity planning process in Ontario Update on planning activities underway to meet near-term electricity needs in the area Summary of regional demand forecast, identified needs and potential solutions that have been developed 	Presentation and recorded webinar posted Seek input on draft engagement plan, load forecast, preliminary local needs/issues and timelines
May 9, 2019	Launch Ottawa Area Sub-region IRRP engagement initiative <ul style="list-style-type: none"> Communication Draft Engagement Plan 	
September 2018	Greater Ottawa Region Scoping Assessment Outcome Report and Terms of Reference	Final version posted following a two-week comment period
August 2018	2018 Draft Greater Ottawa Region Scoping Assessment Outcome Report	Posted for public comment

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