

Final Planning Documents Posted | Ottawa Area Electricity Planning

From IESO Community Engagement <communityengagement@ieso.ca>

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The final [Ottawa Area Integrated Regional Resource Plan \(IRRP\)](#) is now posted along with the [IESO's response to feedback](#) and [appendices](#). The IRRP looks at the unique needs of a region and considers a range of options to meeting the area's electricity needs over a 20-year period.

To ensure the plan reflects the needs of Indigenous communities, municipalities, market participants, stakeholders, customers and the general public, the IESO engaged extensively through a [dedicated webpage](#), targeted discussions, public engagement webinars and other communication channels. Input from these engagements informed the development of the report and shaped its final recommendations.

The forecasted growth in the Ottawa Area is primarily driven by economic development, electrification and decarbonization initiatives. Given the significant needs, options that can meet the near- and medium-term needs have been prioritized, including:

- Build new or upgrade Transformation Stations to increase station capacity:
 - Two new 230kV stations and as well as upgrading an existing 115kV station to 230kV.
 - Upgrading an existing distribution station to 115kV.
 - Station upgrades at eight existing stations.
- Build new or upgrade transmission lines, to connect new stations and increase system capacity:
 - Two new 230kV transmission lines, within existing corridors, to connect two new stations from Merivale TS.
 - A new 230kV switching station to increase transmission resilience and reliability.
 - Upgrading portions of a 115kV transmission line.
- Modify connection configuration to improve load security:
 - Install new circuit breaker at Merivale TS to separate two transmission lines.
 - Provide a second supply to Nepean TS via a new transmission circuit from Merivale TS.

In the interim, cost-effective load transfers are recommended to reduce near-term needs. There is a Local Achievable Potential Study underway which will identify potential for behind-the-meter distributed energy resources (including battery and solar), demand response, and energy efficiency programs. A webinar will take place later this year to share the results of the study. Details will be shared through email and on the [Ottawa Area engagement webpage](#). Lastly, the IRRP provides an adaptive planning approach to meet needs emerging in the long-term.

For background about the study scope, engagement and details about the Ottawa Area, visit the [engagement webpage](#).

This concludes the engagement initiative. The Technical Working Group appreciates your participation and input received throughout the IRRP development and encourages you to engage your local distribution company on new developments and local energy priorities. Please contact engagement@ieso.ca if you have any questions regarding the Ottawa Area IRRP.

Jessica Singh
IESO Regional & Community Engagement

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