

Feedback Form

Gatineau End-of-Life Study- April 14, 2022

Feedback Provided by:

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Following the Gatineau End-of-Life Study planning engagement webinar held on April 14, 2022, the Independent Electricity System Operator (IESO) is seeking feedback as outlined during the presentation. A copy of the presentation as well as a recording of the session that includes an overview of the feedback request, can be accessing from the engagement webpage.

Please submit feedback to engagement@ieso.ca by **May 5, 2022.**

Topic	Feedback
What additional information should be considered in the study assumptions to determine electricity needs?	Click or tap here to enter text.
What feedback is there on the recommended scope of refurbishment for the EOL facilities and integrated solution package?	Click or tap here to enter text.
What information should be considered in finalizing the recommendations?	Click or tap here to enter text.

General Comments/Feedback

Ottawa Area Reliability Issues

The Hawthorne TS to Merivale TS corridor is occupied by the two 500kV circuits from Lennox TS to Hawthorne TS, as well as the two 230kV and two 115kV circuits between Hawthorne TS and Merivale TS; with all six circuits combined on to just two sets of structures along the entire corridor.

While slide 31 mentions contingencies involving the 500kV system, there is no reference to the possible catastrophic loss of this entire corridor which would have a devastating effect on the electrical supply to the City of Ottawa.

This current study of the facilities forming the Gatineau Corridor appears to present a unique opportunity to examine possible options for mitigating the effect of such a catastrophic loss. And this is especially relevant since the optimum plan for the redevelopment of the Gatineau Corridor could be directly influenced by any measures that were subsequently adopted to address this particular event.

Slide 40 makes reference to building a new 230kV double-circuit line from St Lawrence TS to Merivale TS should circuits T22C & T33E on the Gatineau Corridor be decommissioned. Since such a new 230kV line would provide a direct connection into Merivale TS from Saunders GS on the St Lawrence River it would avoid the critical Hawthorne TS to Merivale TS corridor and would therefore mitigate the consequences of a catastrophic loss of this corridor. And accordingly, if this line were to be built, then presumably there would be no requirement to retain circuits T22C & T33E?

Slide 17 makes reference to the historical development of the Gatineau Corridor "primarily to transfer power from the hydroelectric facilities in eastern Ontario & Quebec to the rest of Ontario". With the increasing load in the Ottawa area, surely it would be more efficient for this generation to supply the local load rather than transmitting it hundreds of kilometres to the GTA? Rather than retaining the existing facilities on the Gatineau Corridor to transmit this power

westwards, perhaps the study should examine the enhancements that would be required to connect these hydroelectric facilities directly into the Ottawa area?