## Feedback Form

## Regional Electricity Planning in the Peterborough to Kingston Area – April 1, 2025

## Feedback Provided by:

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To promote transparency, feedback submitted will be posted on <u>the Peterborough to Kingston</u> <u>engagement webpage</u> unless otherwise requested by the sender.

The Independent Electricity System Operator (IESO) is seeking feedback on the scoping assessment report. A copy of the report and a narrated video presentation can be accessed from the <u>engagement</u> web page.

Please submit feedback to engagement@ieso.ca by April 15, 2025.

Торіс	Feedback
What additional information should be considered as part of the Scoping Assessment?	CFB Kingston is located East of the Rideau Canal and currently fed by a 44kV feeder from the Frontenac TS. We are currently investigating, developing, and implementing electrification measures throughout our campuses. We are tentative when planning infrastructure projects due to a



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	low level of confidence in the ability to power new systems. A detailed projection of current and future capacities of transmission stations is essential to planning.
What additional considerations, based on local developments, should be taken into account for the areas identified as requiring further study?	CFB Kingston is currently limited by our own substations, so fewer electrification measures have been implemented. However, we are upgrading some stations to be able to handle higher loads and will require more power from the Frontenac TS soon. Some distributed generation will be coming online at all three of our substations this summer, including solar PV, and generators/battery energy storage systems for peak shaving activities.
What other areas or specific considerations should be examined through regional planning?	The combined effects of all local electrification plans should be shared with stakeholders. It is difficult to plan without insight into what capacity will be available.

## General Comments/Feedback

Federal decarbonization policy requires that we reduce GHG emissions by 40% by 2025 and are netzero carbon by 2050. The current strategy to reach these goals is through the electrification of heating systems and fleet. Depending on adoption rates and technology used, we have estimated that CFB Kingston could be demanding an additional 15-35MVA by 2050, with incremental gains each year. The modernization of our gas-fed steam central heating plant would account for the largest increase in demand. To facilitate these goals, we require information and timelines on electrical capacity upgrades to ensure these demand increases can be met.

With regards to section 7.5 of the 3<sup>rd</sup> Cycle Needs Assessment, Frontenac TS is identified as having reached capacity, with a new station being built "in the near term". What is the definition of near term in this case?