

Feedback Form

Pathways to Decarbonization – February 24, 2022

Feedback Provided by:

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Date: March 15, 2022

Following the February 24 engagement webinar, the Independent Electricity System Operator (IESO) is seeking feedback from stakeholders on the items discussed during the webinar. The webinar presentation and recording can be accessed from the [engagement web page](#).

Please submit feedback to engagement@ieso.ca by March 16. Please attach research studies or other materials for consideration by the IESO to support your submission.

If you wish to provide confidential feedback, please submit as a separate document, marked "Confidential". Otherwise, to promote transparency, feedback that is not marked "Confidential" will be posted on the engagement webpage.

Policy

Topic	Feedback
Are the assumptions indicated reasonable and comprehensive in terms of scale and timing?	I do not support a cap on investment in energy efficiency, a critically important measure in reducing energy demands, at 3.3-3.9 cents/kWh. It is necessary to make all energy efficiency investments that can meet Ontario's energy needs and price out under OPG's rate for nuclear generated electricity of 10.5 cents/kWh. Likewise I do not support the IESO's plan to arbitrarily limit and cap cost-effective alternative distributed energy resource options to minimize the cost of decarbonizing the electricity grid. In order to be effective, especially at the scale and urgency dictated by our greenhouse gas emissions (GHG) reduction targets, the IESO must utilize every distributed alternative renewable and low carbon energy source possible that can meet Ontario's energy demands at a cost lower than currently paid to OPG for nuclear energy. A comprehensive decarbonization plan must also include proper carbon pricing modelling. The IESO's current plateau of \$170 is not an accurate model.

Topic	Feedback
Are there other considerations for the IESO?	I support phase out of gas powered electricity in Ontario, targeting net zero emissions as measured by validated mechanisms, as soon as possible and certainly before 2050. There should be no investment in additional gas power capacity. Any new nuclear power investment must be assessed in comparison with safer, less-expensive renewable energy sources such as solar, wind and hydroelectric.

Demand

Topic	Feedback
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Topic	Feedback
Are the assumptions indicated reasonable and comprehensive in terms of scale and timing?	The IESO should include the impact of newer alternatives such as use of electric vehicles (EVs) with bidirectional chargers as well as thermal storage options such as thermal storage bricks. EVs with bidirectional chargers could meet all of Ontario's peak power demands at a lower price than gas-powered electricity while thermal storage bricks combined with heat pumps have the potential to decrease peak daytime electricity demands for most homes to near zero. The IESO also should not be considering capping import of hydroelectricity from Manitoba and Quebec or be unwilling to import this energy unless available 100% of all hours of the year.

Topic	Feedback
Are there other considerations for the IESO?	It may be appropriate to keep Ontario's existing gas power capacity on standby only, not in active use, to serve as an emergency back up supply until 2040.

Resources

Topic	Feedback
Are the assumptions indicated reasonable and comprehensive in terms of scale and timing?	Click or tap here to enter text.

Topic	Feedback
Are there additional data sources that we should consider	Click or tap here to enter text.
Are there other considerations for the IESO?	Click or tap here to enter text.

General Comments/Feedback

Click or tap here to enter text.