Feedback Form

Pathways to Decarbonization – February 24, 2022

Feedback Provided by:

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Date: March 16, 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?	Click or tap here to enter text.

Topic	Feedback
Are there other considerations for the IESO?	Click or tap here to enter text.

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Resources

Topic	Feedback
Are the assumptions indicated reasonable and comprehensive in terms of scale and timing?	Some of the values listed are not representative of assets operating in Ontario. Northland would suggest looking at historical data to inform the IESO what Ontario resources have historically been capable of providing. For example, using a range of 35-52% for onshore wind is overstated both on the low end and high end of the range. Anything above 40% in Ontario is questionable. In addition to using NREL as the source for these assumptions, the IESO may also want to cross reference these assumptions to the data published by Lazard and other sources as appropriate. The UCAP values that are listed for onshore wind are quite different than what the IESO has previously modelled in their Annual Planning Outlooks. In 2021, the IESO used a capacity contribution of ~13% for wind in the summer and ~38% for wind in the winter. In the assumptions the IESO is now showing a summer UCAP for onshore wind of 22-50% and a winter UCAP of 42-62%. Some of the costs included in the Storage section, look on the low end. A little more information on the import assumptions would be helpful. If the import capacity is system backed then 100% UCAP may be appropriate, however if the Import Capacity is Resource Backed then a little more information to confirm what framework is being applied to guarantee 100% would be helpful. Also, what are the cost assumptions to invest in the transmission infrastructure, as 3300 MW currently exceeds the import capability on the Quebec Interface? Regarding the OM&A costs for Renewables, right now the IESO assumes all OM&A costs are fixed. These assumptions should break out OM&A costs into fixed and variable costs.

Topic	Feedback
Are there additional data sources that we should consider	Click or tap here to enter text.

Topic	Feedback
Are there other considerations for the IESO?	Click or tap here to enter text.

General Comments/Feedback

Click or tap here to enter text.