

Feedback Form

Distributed Energy Resources (DER) Potential Study – November 23, 2021

Feedback Provided by:

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Following the November 23rd public webinar on the DER Potential Study, the Independent Electricity System Operator (IESO) and the consultant, Dunsky supported by Power Advisory, are seeking feedback from participants on the approach for technical, economic and achievable potential analysis, regional segmentation, market barriers, as well as input on the scenarios.

The [referenced presentation](#) and associated [MS Excel worksheet](#) (with the full list of DER measures, measure screening results, and approach) can be found on the [DER Potential Study webpage](#).

Please provide feedback by December 14, 2021 to engagement@ieso.ca. Please use subject header: *DER Potential Study*. To promote transparency, this feedback will be posted on the [DER Potential Study webpage](#) unless otherwise requested by the sender.

The IESO and its consultant will work to consider and incorporate comments as appropriate and post responses on the webpage.

Thank you for your contribution.

Approach for technical, economic and achievable potential analysis

Topic	Feedback
General input on the proposed approach for evaluating DER Potential.	
General input on the proposed market and measure characterization approaches.	
Ontario-specific considerations or data sources that the team should employ in the study.	

Regional segmentation

Topic	Feedback
Should the regional segmentation align with actual geographic regions, or should they reflect different characteristics/conditions (e.g. urban vs. rural)? If the latter, what types of characteristics/conditions should be used to define these segments and how might they be varied?	

Market barriers

Topic	Feedback
What specific participation barriers should be considered in assessing the achievable potential for DERs? Please speak to specific market participation barriers (e.g. participation thresholds) and non-market participation barriers (e.g. M&V requirements for residential demand response)?	

Input on scenarios

Topic	Feedback
Are the five proposed scenario levers appropriate for this study?	

Topic	Feedback
How might the project team incorporate and vary non-market participation related barriers in the three scenarios?	
The three scenarios are intended to reflect distinct futures where the role of DERs may vary significantly. How could the levers be changed across scenarios to derive the most useful results from this study?	

General Comments/Feedback

There is significant untapped thermal DER and CHP application potential in many sectors, including the built environment, infrastructure, industrial (forestry, agriculture, manufacturing, logistics), energy (oil & gas, petrochemical) and mining/metals.

The IESO has concluded that more firm capacity is required to maintain system reliability as the nuclear plants are refurbished. CHP is one solution that offers a unique value proposition by providing extremely resilient, efficient generation with low emissions – lower than grid-supplied marginal emission factors as concluded by several studies, including those conducted by Power Advisory and The Atmospheric Fund.

QUEST and the Low Carbon Thermal Working Group members would be keen to meet with the DER potential study project team to provide direct input to ensure this untapped thermal DER and CHP potential is considered as part of this study.