

Feedback Form

Distributed Energy Resources (DER) Potential Study – September 22, 2021

Feedback Provided by:

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Following the September 22nd 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 pre-assessment screening criteria, the pre-assessment results, and on the proposed scenarios.

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

Please provide feedback by October 13, 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.

Pre-assessment screening criteria

| Topic | Feedback |
|--|--|
| <p>Are there any measure screening criteria missing that warrant inclusion?</p> <p><i>For reference: Measure screening criteria are described in slide 22 of the presentation deck</i></p> | <p>It is not clear what purpose the “relevance to study objectives/scope” criterion serves – May be redundant.</p> |

Pre-assessment results

| Topic | Feedback |
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| <p>Do the short-listed technologies capture appropriate DERs given the study’s 10-year time horizon? Are there measures that have been screened out that should be included and why? Alternatively, are there measures that should be screened out and why?</p> <p><i>For reference: The full list of measures and the results of the screening are identified in last tab of the Measure List and Pre-Assessment MS Excel worksheet</i></p> <p><i>Note: The study aims to include measures expected to have high value/uptake over study period</i></p> | <p>We concur with the view that there would be limited market opportunity for new small-scale distributed wind generation. However, there is currently 590 MW of distributed wind generation under IESO contract, and these small turbines are strategically distributed to provide reactive power capability to the grid edge, notably in southwestern Ontario. It is in the interest of the grid to keep these assets operating and compensated for the provision of grid services rather than just energy, and to leverage these assets for future optimization. Consideration of the additional value that existing distributed wind generation assets could provide would seem highly relevant to study objectives.</p> <p>While it may be appropriate to screen out short-duration storage (such as flywheel, capacitor bank, etc.) from further study, we would recommend that Dunskey and Power Advisory provide significantly more detail regarding their assumptions regarding these technologies, and the impact that their exclusion or inclusion could have on study outcomes, especially with regard to the provision of services aspect.</p> |

Scenarios

| Topic | Feedback |
|---|---|
| <p>Which factors should be varied between scenarios? Do you have suggestions on how such factors should be varied across three scenarios?</p> <p><i>For reference: Examples of factors that could be adjusted are listed on slide 37 of the presentation deck</i></p> <p><i>Note: The study aims to prioritize factors expected to be most influential in driving DER value/uptake in Ontario</i></p> | <p>Any scenarios considered should be in accordance with the Government of Canada's forthcoming Clean Electricity Standard to achieve a net-zero emitting electricity system by 2035.</p> <p>Further, consideration of carbon pricing scenarios (i.e., \$170/Mt by 2030) should include the potential for all GHG-emitting gaseous fuel-fired facilities to face de-escalation of the current Output-based Allocation toward zero, in alignment with necessary electricity decarbonization targets.</p> |

General Comments/Feedback

CanREA supports a net-zero emitting electricity system by 2035 as a foundational step toward achieving Canada's legislated 2050 Net Zero objective. The DER Potential study provides an important opportunity for quantification of DERs' potential contributions to each of energy, capacity, operating reserve and regulation service, as well as their associated carbon emissions reductions, including from targeted fuel switching towards electricity. CanREA looks forward to further engagement with the project team over the coming months as the study unfolds.