

# Feedback Form

## Hybrid Integration Project – February 24, 2022

### Feedback Provided by:

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Date: March 17, 2022

Following the February 24, 2022 webinar on the Hybrid Integration Project, the IESO is seeking feedback from participants on the proposed design for hybrid facility participation in IESO markets for the two foundational models.

The referenced presentation can be found under the February 24, 2022 entry on the [Hybrid Integration Project webpage](#).

**Please provide feedback by March 17, 2022 to [engagement@ieso.ca](mailto:engagement@ieso.ca).** Please use subject: *Feedback: Hybrid Integration Project*. To promote transparency, this feedback, if provided in an AODA-compliant format (e.g. using this form) will be posted on the [Hybrid Integration Project webpage](#) unless otherwise requested by the sender.

Thank you for your time.

## Market Participation

Topic	Feedback
Did you see any concerns from a participation perspective for co-located or integrated facilities?	<p>We anticipate that the advantages of participating as an integrated facility (e.g., one Connection Impact Assessment, Global Adjustment (GA) applied at the connection point) will influence hybrid projects that will be developed in the future to choose to be configured as integrated facilities rather than co-located facilities.</p> <p>It appears that the IESO's dispatch instructions will impact the co-located storage device's State of Charge, the GA that is charged, and possibly other factors. We seek an explanation of how the IESO will avoid issuing dispatch instructions that inappropriately impact the operations of the hybrid facility. Has the IESO considered that the hybrid resource could, under some conditions, "spill" energy?</p> <p>Among the matters that we seek to understand are:</p> <ul style="list-style-type: none"><li>- whether the integrated facility will be eligible to participate as a quick start resource</li><li>- the ancillary services that a co-located or integrated facility can provide to the IAM</li><li>- whether the IESO will derate the capacity value of the generator deployed as part of an integrated facility</li><li>- the metering that the IESO will require if phasor-based monitoring is to be used</li><li>- the aggregation rules applicable to co-located facilities (e.g., if the relative size of the 2 devices matters for Market Power Mitigation purposes), in particular the need and rationale for each device being &gt;1MW in capacity</li><li>- how the IESO will treat co-located devices that are 'tied' (e.g., if the storage device follows the generator)</li><li>- whether the IESO will require reporting in addition to reporting required pursuant to the enabling OEB licences</li></ul> <p>While we anticipate that it will be uncommon, we seek to understand the process by which a co-located facility could transition to an integrated facility and vice versa.</p>

Topic	Feedback
<p>Are there any dependencies between resources or technologies that make up the hybrid models that the IESO should be accounting for?</p>	<p>Depending on the connection the hybrid resource may be able to participate in either the IAM or in a local area market. How will the IESO ensure that its dispatch instructions are fulfilled if it is more economically advantageous for the facility to participate in the local area market?</p>
<p>Please indicate if you would like to set up a one-on-one call with the IESO team to discuss specific participation questions.</p>	

## General Comments/Feedback