

Feedback Form

Hybrid Integration Project – April 21, 2021

Feedback Provided by:

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Following the April 21, 2021 webinar on the Hybrid Integration Project, the IESO is seeking feedback from participants on the proposed definitions, stakeholder information needs, the timelines and deliverables, and the engagement plan objectives and approach. The IESO will work to consider feedback and incorporate comments as appropriate and post responses on the engagement webpage.

The referenced presentation can be found under the April 21, 2021 entry on the [Hybrid Integration Project webpage](#).

Please provide feedback by May 12 2021 to 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.

Proposed definitions

Topic	Feedback
<p>Does the proposed definition of 'Co-located Facility' make sense? Is there anything further that should be considered?</p> <p><i>"A combined facility consisting of electricity storage and generation facilities located behind a single connection point, that participates in the IESO markets as separate resources."</i></p>	<p>Yes. This definition makes sense. Capital Power suggests that working definitions for "Co-located Facility" and "Hybrid Facility" be continually evaluated throughout the stakeholder engagement in order to ensure the definitions continue to reflect industry practice and definitions used at the Ontario Energy Board relating to both transmission and distribution connected facilities.</p>
<p>Does the proposed definition of 'Hybrid Facility' make sense? Is there anything further that should be considered?</p> <p><i>"A combined facility consisting of electricity storage and generation facilities located behind a single connection point, that participates in the IESO markets as a single bi-directional resource."</i></p>	<p>Yes. This definition makes sense. Capital Power suggests that working definitions for "Co-located Facility" and "Hybrid Facility" be continually evaluated throughout the stakeholder engagement in order to ensure the definitions continue to reflect industry practice and definitions used at the Ontario Energy Board relating to both transmission and distribution connected facilities.</p>

Information required to evaluate investment potential

Topic	Feedback
<p>What information do stakeholders need to evaluate the potential of Hybrid Resource investments as we evolve our resource adequacy needs?</p>	<p>Previous submissions from Capital Power have identified the types of information required from the IESO's planning and forecasting processes. This information is similarly required to evaluate the potential of Hybrid Resource investments and includes, without limitation:</p> <ul style="list-style-type: none"> - Forecasted supply and demand - Available revenue mechanisms with appropriate risk allocation - Energy market performance - Opportunities to compete for capacity revenues - Design of competitive processes - Transmission congestion and - Timelines for procurement

Topic	Feedback
	<ul style="list-style-type: none"> - Product and attributes required by the system - Intended economic function of the energy market - Principles establishing and guiding the evolution of the energy market and capacity revenue mechanisms - Dispatch and settlement treatment of co-located and hybrid facilities

Timelines and deliverables

Topic	Feedback
Do the timelines and deliverables for the Hybrid Integration Project make sense?	Capital Power understands the timelines proposed by the IESO but recommends that timelines for design and integration (including the design and administration of RFPs and competitive procurements) should be driven by forecasted energy and capacity needs, not by Market Renewal implementation. To the extent that the current Market Renewal design may limit the participation and integration of Hybrid Facilities and Co-located Facilities, market design and market rules should be updated on an ongoing basis to ensure that Hybrid Facilities and Co-located Facilities can both participate in eligible competitive processes, and be dispatched efficiently by the market.

Engagement Plan

Topic	Feedback
Are stakeholders supportive of the objectives and approach detailed in the draft Hybrid Integration Project Engagement Plan?	Yes.

General Comments/Feedback