

Feedback Form

Hybrid Integration Project – February 24, 2022

Feedback Provided by:

Name: Julien Wu

Title: Director – Regulatory Affairs

Organization: Evolgen by Brookfield Renewable

Email: [REDACTED]

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. 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>As noted in our previous comments, a clearly defined interconnection process, in particular the System Impact Assessment, with examples and timelines (e.g., “day in the life” case studies) would help developers meet the IESO’s 2025 needs. For example, would integrating a storage device with an existing wind farm to boost its capacity factor involve significant grid upgrades? A clearly defined answer would help developers commit resources and begin exploring opportunities. Given that hybrid projects present a new and unfamiliar challenge to developers, the IESO, and the transmitter alike, this regulatory and permitting risk can result in delayed project delivery, or developers simply deciding to “wait and see” till the next procurement. As such, we strongly recommend the IESO create a new fast-tracked interconnection process for hybrid projects that seek to exploit existing interconnections. As the IESO faces immediate capacity shortfalls, storage technology is well positioned to provide the capacity needs relatively quickly—both as a standalone device and paired with existing intermittent assets. However, the lack of clarity surrounding the interconnection process is currently a major roadblock that is nevertheless within the IESO’s control. In addition, developers would appreciate the IESO acting as a coordinator with other regulatory entities and ministries relevant to project development—an IESO organized workshop that involves all such parties would be very helpful to the developer community. Delayed project delivery due to other permitting and regulatory issues would be unfortunate.</p>

Topic	Feedback
Are there any dependencies between resources or technologies that make up the hybrid models that the IESO should be accounting for?	
Please indicate if you would like to set up a one-on-one call with the IESO team to discuss specific participation questions.	We welcome meetings with the IESO to discuss our projects.

General Comments/Feedback