

Feedback Form

Hybrid Integration Project – September 21, 2021

Feedback Provided by:

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Following the September 21, 2021 webinar on the Hybrid Integration Project, the IESO is seeking feedback from participants on the potential impact of each of the proposed models on market participation and development investments, as well as operational or implementation considerations the IESO should factor into its decision-making about which foundational model to implement. Additionally, if the implementation of both participation models is desirable from a stakeholder perspective, the IESO is seeking further clarity on: 1) scenarios when ISM+G Model are used in preference of the Single Resource model; 2) scenarios when Single resource model is used in preference over ISM+G Model. 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 September 21, 2021 entry on the [Hybrid Integration Project webpage](#).

Please provide feedback by October 19, 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.

Market participation and development investments

Topic	Feedback
How would your willingness to participate in IESO markets and invest in the development of hybrid facilities vary under each proposed model?	CanREA members will be more likely to invest if they are able to choose from either hybrid participation model. Model 1 requires the market participant to manage multiple bids/offers while Model 2 requires the management of a single bid and un-dispatched load. Individual proponents will have different preferences for how to manage their projects. Similarly, different projects may have a natural bias towards one model or the other depending on project-specific factors. To limit participation on one model or the other could prevent otherwise viable projects from entering the market. Therefore, to maximize investment in hybrid systems, and realize the associated system benefits, the IESO should develop both hybrid participation models.

Operational or implementation considerations

Topic	Feedback
What other operational or implementation considerations should the IESO factor into its decision-making about which foundational model to implement?	The IESO should consider that the overall benefits to the system from enabling hybrid participation, especially in terms of increased flexibility, will be far outweigh the cost and effort required to enable both proposed foundational models.

Participation Models

Topic	Feedback
<p>If the implementation of both participation models is desirable from a stakeholder perspective, can stakeholders provide further clarity on: 1) scenarios when ISM+G Model are used in preference of the Single Resource model; 2) scenarios when Single resource model is used in preference over ISM+G Model.</p>	<p>The preference for one model over the other will depend on the preferences of the individual market participant and the details of the particular project. Some participants may see value in using the IESO storage participation mechanisms via the ISG+M model while others will see more flexibility in the ability to use the Single Resource model.</p>

General Comments/Feedback

Both models presented by the IESO provide a viable opportunity for hybrid resources to participate in the Ontario market. Neither model requires extensive efforts from the IESO or adds excessive costs to implement. Therefore, the IESO should pursue implementation of both hybrid participation models to allow market participants the opportunity to choose the participation model that best suits their corporate and project needs. Developing both models provides the best opportunity to maximize investment in hybrid projects and contribute the associated system benefits.