

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?	If Storage Resources are subject to Global Adjustment, it will be practically impossible to justify investing under Model 1 (ISM+G). Storage development would therefore need to be done under Model 2 (Single Resource) to avoid charging from the grid. This will add significant constraints to storage development and reduce the economic viability of such technology. Global Adjustment remains a barrier to entry and we urge the IESO to consider alternative solutions.

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?	Operating Reserves and other ancillary services should be accepted by the IESO under Model 2 given that the IESO controls the qualification process and can audit and verify performance.

Participation Models

Topic	Feedback
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.	If the ISM+G Model 1 is subject to Global Adjustment when charging from the grid, then only the Single Resource Model will make sense economically for developers.

General Comments/Feedback

Please confirm that in both Models, the withdrawal of grid energy to the storage resource would result in Global Adjustment charges.