Feedback Form

Enabling Resources Program (ERP) - Storage and Hybrid Integration Project

Meeting Date: November 20, 2024

Feedback Provided by:

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Following the November 20, 2024, engagement webinar, the Independent Electricity System Operator (IESO) is seeking feedback on the items discussed during the webinar. The presentation and recording can be accessed from the engagement web page.

Please submit feedback to engagement@ieso.ca by **December 9, 2024**. If you wish to provide confidential feedback, please submit it as a separate document, marked "**Confidential**." Otherwise, to promote transparency, feedback that is not marked "Confidential" will be posted on the engagement webpage.

General ERP Feedback:

Topic	Feedback
Engagement approach to use Design Memos for each Project along with Presentations to inform feedback and ensure information on design elements and concepts is clearly communicated	Click or tap here to enter text.

Storage/Hybrid Project Feedback Questions:

Topic	Feedback
Additional design considerations for future modules or elements?	Include the possibility of modeling Operating Reserve availability as both a generator and load with multiple offer sets. In addition to the State of Charge consideration, there is also cycling limitation that restricts the annual and/or cumulative number of start/stop cycling per year to preserve warranties under OEM agreements and equipment stability consideration. The IESO should explore the appropriate application of Market Power Mitigation (MPM) conduct and impact tests. Include consideration for contract obligations within MPM assessment process.
Should the IESO explore bid/offer tied to State of Charge or other options?	Yes, the IESO should explore bids/offers tied to state of charge.
What considerations should the IESO have for day-ahead market (DAM) in relation to SoC estimation? How can the IESO support a SoC that will accurately reflect an accurate SoC value that could be present at the start of the next day?	Include the option for Market Participant to provide SoC expectation for start of DAM or use IESO calculation based on RT SoC and pre-dispatch schedule to EOD

Topic	Feedback
Are there other resource operating characteristics needed to properly automate the operation of the resource to avoid changes in the mandatory window?	Automatic revision to Operating Reserve capability based on SoC. In addition to the energy storage being energy limited, there is also cycling limitation that restricts the annual/cumulative number of start/stop cycling per year.
Any other reasons why changes could be needed in the mandatory window?	

General Comments/Feedback