Feedback Form

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

Meeting Date: July 24, 2025

Feedback Provided by:

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Following the **July 24, 2025**, 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 **August 21, 2025**. 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
Feedback on the engagement approach, meetings, or the S/H Project in general?	Click or tap here to enter text.

Storage/Hybrid Project Feedback:

Topic	Feedback
Telemetered SoC: Required for calculations in PD and RT timeframes. This value is expected to inform the IESO of the injection capability of the resource in MWh and therefore should account for any losses. Current performance requirements will continue, with data sent every 4 seconds to the IESO. Do MP's have concerns or foresee challenges with this requirement?	IESO should consider that the telemetered SOC may include energy that is unavailable for dispatch. BESS facilities are often built with excess power and energy to manage degradation over contract term. Either within registration parameters or within DSO interpretation of values, this difference must be accounted for.

Topic	Feedback
OR Offers: Are there concerns about OR provided by storage being branched from withdrawal to injection?	Branching is not a concern, provided the DSO considers the single resource energy offers and real-time activity of the resource. DSO must also consider ramp rates, which may be impacted by Dx or Tx limitations.
Ramp Rates: Do you have feedback on the 100 MW/min static ramp rate and utilizing a standardized approach to dispatch?	It is understood that this static ramp rate represents a proposed max value and not a min value. 100 MW/min static ramp rate as a maximum will negatively impact larger resources with faster ramp capability, limiting their dispatch during real-time grid events. It is important to note that economic energy dispatch grid events do not always correspond with OR activation. If there is an operational concern on an extreme/fast injection rate, IESO must provide supporting technical analysis to support this, and provide that information to connected and prospective BESS participants. It is important to note that the bid validation process must not relate to any static ramp rates. Resources with ramps slower than 100 MW/min will need the ability to offer their ramp rates without bid validation rejections.
CycleDEL: Is CycleDEL sufficient to limit the cycling for storage in Phase 1? What is the expected default setting?	No. Warranties are based on annual cycle measurements. Daily cycle values are not an equivalent measure and may have unintended consequences for both IESO and BESS facilities, either by under- or over-utilizing assets in relation to market opportunity and their OEM performance guarantees.

Topic	Feedback
Exceeding Min/Max SoC limits: Do you anticipate needing to exceed min/max SoC limits for specific market opportunities, or just maintenance and what are the typical min/max limits – is this a fixed/static value that can be derived for registration? Frequency and magnitude of exceeding these limits? Are there equipment concerns from this, what are the specific concerns (faster equipment aging/degradation, other)?	I have no specific feedback on this item.

Topic	Feedback
Derates: Do you have feedback on the derates that the IESO is considering; specifically, what requirements need to be set ensure that these are used sporadically? Will there be separate derate values for injection and withdrawal? Will MPs need to derate their SoC limits? Does this only require update to max SoC limit which will result in overall SoC reduction? How frequently does the MP need to update the round-trip efficiency?	No feedback at this time.

Topic	Feedback
Uprates: Any feedback on this concept of utilizing "uprates" to support maintenance? Any conditions or requirements that the IESO may need to consider when developing its process to allow uprates? Are there any other operational or market participation considerations that need to be considered?	No feedback at this time.

General Comments/Feedback

Click or tap here to enter text.