

Memorandum

To: Technical Panel

From: Darren Byers

Date: September 8, 2020

Re: MR-00446-R00-R05: Implementation of the Interim Storage Design

Attached for Technical Panel review and consideration are six market rule amendment proposals to implement an interim framework that facilitates the participation of energy storage resources in the IESO-administered markets.

The IESO is proposing to amend the market rules to integrate electricity storage resources for an interim period. Storage resources are unique from conventional resource types in that they can act as both a load and a supply, and are limited in each by their state of charge. As such, the experience gained with storage resources in an interim period will be helpful in determining the changes to processes and tools required to fully integrate them into the IESO-administered markets.

These amendments required two types of changes; the first is rule amendments that will likely remain pertinent over the longer term period, such as new defined terms. These changes are proposed throughout the rules, integrated with existing rules for other resource types. Second, a self-contained section of chapter 7 is proposed containing the changes needed to implement the interim measures until a longer term solution is provided. This section 21 can be found in a dedicated proposal R04. The inclusion of a self-contained section is intended to be removed or revision at some future point when an enduring solution is proposed.

The IESO provided information presentations at the February 4 and June 23 Technical Panel meetings. Since the June 23 meeting, members of the Energy Storage Advisory Group provided comments on the draft market rules. The IESO has incorporated feedback from those comments into the current proposals. These proposals are segmented into themes, beginning with the defined terms (R00). Participation and Connection requirements are found in Proposal R01 and Power System Reliability in Proposal R02. The changes to Chapter 7 outside of the new section 21 are found in Proposal R03 along with changes to Chapter 9. Finally, Proposal R05 includes Miscellaneous changes needed across a number of chapters.

Recommendation – Priority

The IESO recommends that the Technical Panel assign a regular priority to the development of these suggested changes.

Panel Action and Next Steps

The IESO recommends that the Technical Panel votes to post MR-00446-R00-R05 for stakeholder review and comment for a period of two weeks, ending on October 2, 2020. The target for IESO Board consideration of the proposal is December 2020.

Accompanying Materials

- Overview presentation dated September 15, 2020
- Market Rule Amendment Proposals:
 - MR-00446-R00: Definitions
 - MR-00446-R01: Participation and Connection requirements
 - MR-00446-R02: Power System Reliability
 - MR-00446-R03: System Operations, Physical Markets and Settlements
 - MR-00446-R04: Interim Design
 - MR-00446-R05: Miscellaneous
- Guide to the Draft Market Rule Amendments
- For Information only; Guide to the Draft Market Manual Amendments

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