

Memorandum



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To: The Markets Committee

Presenter: Michael Lyle, Executive Vice President, Legal Resources and Corporate Governance and
Chair, IESO Technical Panel

Date: June 10, 2026

Re: Market Rule Amendment: Updates to IESO Monitoring Requirements: Synchrophasor Data (MR-00487-R00)

Purpose of Item: Recommendation for Approval to the Board

Executive Summary:

The IESO is seeking approval from the IESO Board on proposed market rule amendments required to update grid connection requirements related to synchrophasor data. The rule amendments extend the existing synchrophasor requirements for transmitters and generators to storage participants and will make other changes to these existing requirements. At the May 12, 2026 Technical Panel meeting, the Technical Panel voted unanimously in favour of recommending the amendment proposal to the IESO Board.

Significant Issues, Risks and Opportunities:

This initiative will further enhance the IESO's situational awareness which is a necessary step to maintaining reliability and improving resiliency as the electricity grid transforms to an increasingly dynamic power system.

Stakeholders generally supported the initiative, recommending a transition period and early guidance to support market participant readiness. The transmitter representative on the Technical Panel asked the IESO to work collaboratively with impacted market

participants on a reasonable and phased implementation, considering infrastructure and cost pressures. A delayed effective date of December 2, 2026 will address these concerns by supporting market participants in meeting these new requirements. In addition, if a market participant generator or transmitter is required to provide or update synchrophasor data to the IESO in respect of multiple facilities commencing in the same calendar year, the IESO may, subject to mutual agreement, permit a staged implementation plan.

Background:

As further described in the market rule amendment proposal form (MR-00487-R00: Updates to IESO Monitoring Requirements: Synchrophasor Data), the proposed changes will:

1. Modify the type of measurements that are required from the Phasor Measurement Units;
2. Require, through the Market Manual, more frequent data sampling; and
3. Extend the synchrophasor requirements for generation facilities and transmitters to electricity storage facilities.

Proposal and Analysis

The IESO held a stakeholder engagement session in December related to these rule amendments and corresponding changes to the market manual. Two sets of written comments were received following the stakeholder engagement session from TransAlta Corporation and Ontario Power Generation (OPG). Written feedback requested clarification on process and requirements, and raised no material concerns, but requested a transition period along with early guidance to support market participant readiness. Informed by these requests, the IESO is proposing an effective date of December 2, 2026 to facilitate a smooth transition to these new requirements. No written comments were received in response to the Technical Panel's call for stakeholder comments. The transmitter representative on the Technical Panel cautioned the IESO that it will have to work together with impacted market

participants on a reasonable and phased implementation, considering infrastructure and cost pressures to meet requirements. The IESO responded that the IESO may, subject to mutual agreement, permit a staged implementation plan in certain circumstances.

Next Steps / Implementation:

I recommend that the Board accept the unanimous vote and recommendation of the Technical Panel to approve market rule amendment MR-00487-R00: Updates to IESO Monitoring Requirements: Synchrophasor Data.

Requested Committee Resolution:

The Markets Committee is asked to pass the following motion:

BE IT RESOLVED THAT the Markets Committee recommends that the Board of Directors approve the following resolution:

[Recommended Board Resolution Begins.]

CONCERNING MR-00487-R00: Updates to IESO Monitoring Requirements: Synchrophasor Data, which is a market rule amendment recommended by the IESO that will update grid connection requirements related to synchrophasor data:

- a) **WHEREAS** the IESO engaged with the Technical Panel and the broader stakeholder community and has revised MR-00487-R00 based on feedback received.
- b) **AND WHEREAS** the Technical Panel voted unanimously to recommend MR-00487-R00 for approval by the IESO Board.
- c) **AND WHEREAS** the IESO Board of Directors' Markets Committee recommended MR-00487-R00 for approval by the IESO Board.

BE IT RESOLVED THAT on the recommendation of the Markets Committee, the IESO Board of Directors accepts the recommendation from the Technical Panel and approves MR-00487-R00: Updates to IESO Monitoring Requirements: Synchrophasor Data to come into effect on December 2, 2026.

Michael Lyle

Appendices:

- a. Market Rule Amendment Proposal – MR-00487-R00: Updates to IESO Monitoring Requirements: Synchrophasor Data
- b. Technical Panel Materials
 - i. Memo to Technical Panel from IESO staff, dated May 5, 2026
 - ii. TP member Rationale, dated May 12, 2026
- c. Summary of Stakeholder and Technical Panel Comments
- d. Consumer Impact Assessment