

Memorandum

To: IESO Technical Panel members

From: Candice Trickey, Director Market Renewal Program Readiness

Date: May 7, 2024

Re: MRP System Testing Opportunities for Market Participants

Technical Panel members have had a number of questions regarding MRP's external test plans during the last few Panel meetings. This memo provides an overview of MRP's testing plans for market participants and identifies where, on the IESO website, more information can be found including future opportunities for stakeholder comments on these plans.

The objective of Market Participant testing is to provide external stakeholders an opportunity to become familiar with the changes being made to the various tools and interfaces that are being modified through MRP, to identify any issues with the IESO's tools, and to ensure that Market Participants' systems are able to interact with IESO's Market systems and reports.

IESO is providing a testing environment and structured testing phases as follows:

- **Connectivity Testing** from January 2024-May 2024: testing to ensure that participant's systems and users can connect to the tools in IESO's testing sandbox.
- **Market Trials** from July 2024-October 2024: Testing to ensure individual tools and interfaces are functioning as intended. This includes confirming the ability to submit bids and offers, receive dispatch instructions, and access IESO reports.
- **End-to-End Testing** from January 2025-March 2025: Testing to confirm participant's ability to execute, from beginning to end, the key business processes and systems that are changing as a result of Market Renewal under various simulated market conditions. This is expected to include testing the full cycle of processes starting with the submission of bids and offers in day-ahead through to receipt of dispatch instructions and the resulting settlement statements.

Participants will also be able to perform exploratory testing during each test phase. Kick-off and wrap-up meetings are planned for each phase to prepare for and review results of each phase.

IESO discussed the MRP Participant Test Plan, which is the overall explanation of MRP and participant testing, as well as the details of the Connectivity Testing phase, with the MRP Implementation Working Group (IWG) and at stakeholder engagements during Q4 of last year.

The Plan and supporting documents are posted on the MRP webpage, and have incorporated the stakeholder feedback received.

Opportunities for input into the next two phases – Market Trials and End-to-End testing will be available at upcoming stakeholder engagement meetings (Q2 for Market Trials and Q4 for End-to-End Testing). Stakeholder input on specific testing scenario or outcomes that are of most importance will be sought during these sessions. Technical Panel members can direct questions or feedback on these plans to the MRP Readiness team at market.renewal@ieso.ca or by attending the stakeholder engagement meetings.

Technical Panel members may also reach out to the MRP IWG members representing their constituencies. The objective of the IWG is to provide strategic advice and input to the IESO in support of MRP implementation activities. A listing of IWG members is included in the IWG meeting summaries which are available on here: [Market Renewal Program Implementation Working Group \(ieso.ca\)](#).

The MRP website has a number of resources to assist participants in understanding the changes they may need to make and for planning and preparing to test changes for those participants that interface directly with IESO tools. Links to the key resources are available here:

- Overview of the test plan, detailed test plans, test cases and other supporting materials: [Market Participant Testing \(ieso.ca\)](#)
- Technical specifications participants will need to develop conforming changes to their systems: [Technical Reference Materials \(ieso.ca\)](#)
- Reference materials for developing conforming changes to participant settlement systems and processes: [Settlement Reference Materials \(ieso.ca\)](#)
- An overview of how the market is changing, how that may impact participant organizations, what participants may need to do to prepare: [Market Participant Readiness \(ieso.ca\)](#)

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