
End-to-End Testing: Test Scenario 24 – Operating Reserve (OR) Clawback

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1. Introduction

This document provides an overview of **Test Scenario 24: Operating Reserve (OR) Clawback** under the End-to-End Testing phase of the Market Renewal Program.

This document includes the following information:

- a short description of the test scenario as it relates to Market Rules Chapter 0.9 s.3.10.1 and Market Manual Part 0.5.5 s.2.29.1,
- out of scope items and activities during this test execution,
- the resource and participation types that are recommended to execute this test scenario,
- key dates for impacted Market Participants, and
- the test cases along with the steps that users will execute to verify this test scenario.

2. Scenario Description

Market Participants with resources participating in the operating reserve market will have the opportunity to test the impact of OR clawback on their settlement statements. Resources will try to obtain an OR schedule for the test day. After the resource is successfully scheduled for OR, the market participant should submit modified metering data for the resource to above its scheduled energy. It should be submitted in a way that will render the resource unavailable to provide its scheduled OR.

Market Participants will verify the results of this scenario by observing an OR clawback charge on their settlement information.

3. What is out of scope for this test scenario?

There are no out of scope steps in the execution of this test scenario.

4. Impacted Participation Types

This test scenario is recommended for the following participation types:

- Dispatchable Generators
- Dispatchable Loads, and

- Dispatchable Electricity Storage Participants as a Load and as a Generator

5. Key Dates for Market Participants

This scenario will be simulated under Week 5 of the End-to-End Testing Phase:

- This scenario will be simulated from **February 19, 2025** to **February 20, 2025** for the trade date **February 19, 2025**.
- Market Participants will notice the impacts of this test scenario on the preliminary settlement statements and data files that are generated on **February 27, 2025**, and final settlement statements and data files that are generated on March 6, 2025 for the trade date February 19, 2025.
- Market Participants can provide alternative measurement data on **February 28, 2025** for this test scenario.

6. Test Case(s) under Test Scenario 24

Prerequisites:

1. Valid login credentials for EMI/MIM, Online IESO, Reports site, Dispatch Services
2. Daily Dispatch Data (DDD) (If the corresponding RTEM submission resource type is one of the following : Non-Quick Start (NQS) Other, Combustion Turbine (CT) Pseudo-Unit (PSU), Steam Turbine (ST) PSU, CT Non-PSU, ST Non-PSU) and Real-Time Energy Market data for the corresponding market participant, delivery date, resource, and hour must be present in the system.
3. Market Participant to submit Energy/OR offers in a way that the resulting total schedule (energy + OR) will be close to or at the resource's maximum capacity.

Test Case S24-TC01 | All eligible resources are able to verify OR Clawback and its impact on their settlements

Test Step #	Test Step Description	Test Step Expected Result
1	MP submits Operating Reserve (OPRES) dispatch data through MIM or EMI outside of the RT_MANDATORY window.	EMI/MIM submission is processed successfully

Test Step #	Test Step Description	Test Step Expected Result
2	<p>Following the PD run after the offer is submitted, navigate to the Pre-Dispatch Schedules report by following the path on the IESO Confidential Sandbox Reports site: Your Files > private > PredispSchedules2 > {MP_Name} Then, Open the latest thexxxxxPredispSchedules2xxx.xml that is generated Note: If the MP submitted the offer before the start of the RT_UNRESTRICTED2 window, MP should open the latest thexxxxxPredispSchedules2xxx.xml that is generated once PD Run completes after the start of the RT_UNRESTRICTED2 window</p> <p>Note: If the MP is having difficulty getting scheduled for OR, please let the IESO know. The IESO will check to see if there are any external limitations affecting the resource and if there is anything that can be done to increase the chance of the resource being scheduled.</p>	MP is able to verify in the Pre-Dispatch Schedules Report that they are getting schedules for OR for one or more hours.
3	<p>Following an RT run for the relevant hour, navigate to the Real-Time Energy and Operating Reserve Dispatch report by following the path on the IESO Confidential Sandbox reports site: Your Files > private > ENGYOPRVRealtimeDispatch> {MP_Name} Then, Open the latest xxxENGYOPRVRealtimeDispatchxxx.xml.xml that is generated</p>	MP able to verify in the Real-Time Energy and Operating Reserve Dispatch report that they are receiving OR schedules for all or portion of the hour.
4	In the IESO Confidential Sandbox Reports site, MP to retrieve preliminary and final settlement statements and associated data files	MP to verify generation and successful retrieval of preliminary and final statements, and associated data files.
5	Review statement for applicable charges and calculations	MP to verify that only applicable charges/payments are present in the settlement statements.

Test Step #	Test Step Description	Test Step Expected Result
6	Review statement for non-applicable charges and calculations	MP to verify that all non-applicable charges/payments should not be present in the settlement statements.
7	MP to review statements for calculation accuracy	MP is able to verify that the charges/payments are accurately calculated.



Additional Resources

- [Market Rules Chapter 0.9 | Settlements and Billing](#)
- [Market Manual 0.5.5- IESO Administered Markets Settlement Amounts](#)

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