
End-to-End Testing: Test Scenario 12 – Hourly Demand Response - (HDR) Activation

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1. Introduction

This document provides an overview of **Test Scenario 12: Hourly Demand Response - (HDR) Activation** 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 0.7 s.19.4.2 & 19.4.4 and Market Manual Part 0.4.3 s5.2,
- 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

Capacity Market Participants (CMPs) interested in testing their HDR obligations may assess the impacts of receiving standby and activation notices for their HDR resources. The IESO advises market participants to review market conditions in the days ahead of the scenario test dates. If the market participant does not feel confident that they can achieve standby or activation notices, while bidding above the \$100 demand response bid price threshold, then please submit the information noted in appendix 6 of the test plan so that the IESO can manually trigger standby and activation notices.

Capacity Market Participants will verify the results by assessing their ability to receive the standby and activation notices through the reports portal. CMPs should also verify the settlement invoices to ensure the information is correct.

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:

- Capacity Market Participants

5. Key Dates for Market Participants

This scenario will be simulated under Week 2 of the End-to-End Testing Phase:

- This scenario will be simulated from **January 27, 2025 to January 28, 2025** for the trade date **January 28, 2025**.
- Market Participants will notice the impact of this test scenario on the settlement statements and data files that are generated for all trade dates in between **January 20 – January 31, 2025** on **March 12, 2025** RCSS1

6. Test Case(s) under Test Scenario 12

Prerequisites:

1. Valid login credentials for EMI/MIM, Online IESO, IESO Confidential Sandbox Reports site.
2. Market Participant (MP) to provide IESO the below details EOD Friday Jan 24, 2025:
 - Resource name
 - Hours of activation

Test Case S12-TC01 | Capacity Market resources can test their HDR (Hourly Demand Response) DAM commitments and the associated impacts on their settlement statements

Test Step #	Test Step Description	Test Step Expected Result
1	<p>MP should submit RTEM data for an HDR offer through the EMI/MIM application during the RT_INITIAL window in an attempt to get a DAM schedule in advance of the trade date.</p> <p>Note: The IESO advises market participants to review market conditions in the days ahead of the scenario test dates. If the market participant does not feel confident that they can achieve standby or activation notices, while bidding above the \$100 demand response bid price threshold, then please submit the information noted in appendix 6 of the test plan so that the IESO can manually trigger standby and activation notices.</p>	Dispatch data submission is processed successfully.
2	<p>MP to navigate to the following path on the IESO Confidential Sandbox reports site to verify the stand by notice (Private report):</p> <p>Your Files > private > DR-Standby > {MP_Name}</p> <p>Open the latest xxxxxDR-Standby.xml that is generated after the DA_RESTRICTED window.</p> <p>Note: If MP does not receive the stand by notice in the DR-Standby report, MP to check the DAScheduledEnergy2 (DA Schedules Report) and DAHourlyEnergyLMP Reports to determine their Standby status and inform the IESO about any discrepancies.</p>	MP is able to verify their Standby status (set as 'Yes' or 'No') in the DR-Standby report.

Test Step #	Test Step Description	Test Step Expected Result
3	<p>MP to navigate to the following path on the IESO Confidential Sandbox Reports site, two hours before the dispatch hour, to verify the Activation notice:</p> <p>Your Files > private > DR-Activation > {MP_Name}</p> <p>Open the latest xxxxxDR-Activation.xml report that is generated.</p>	MP is able to verify the Activation notice on the DR-Activation report.
4	In the IESO Confidential Sandbox Reports Site, MP is able to download the preliminary and final settlement statements along with the data files for the affected trade date of this test case.	Market Participant is able to download the preliminary and final settlement statements and associated data files from the IESO Confidential Sandbox Reports Site.
5	Review settlement statements for applicable charges and calculations.	Market Participant to verify that only applicable charges/payments are present in the settlement statements.
6	Review settlement statements for non-applicable charges and calculations.	Non-applicable charges/payments should not be present in the settlement statements.
7	Review settlement statements for calculation accuracy.	Charges/payments are calculated accurately.



Additional Resources

- [Market Rules Chapter 0.7 | System Operations and Physical Markets](#)
- [MM 0.4.3- RT Scheduling of the Physical Markets](#)

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