

TESTING OF HOURLY DEMAND RESPONSE RESOURCES

Demand Response Working Group

January 30, 2018

Purpose

- To summarize the HDR testing procedure provided to the DRWG at the November meeting and discuss stakeholder feedback received

Work Plan Item

- The HDR testing procedure was priority work plan item in 2017:

Greater clarity in test dispatch structure for hourly DR resources

- Participants have advised the testing procedure could be improved through greater clarity and documentation, closely mimicking in-market dispatch
- At the November 16, 2017 DRWG meeting, the IESO provided a presentation on the HDR testing process and procedures to the working group

Summary of Testing Procedure

- The IESO may direct demand response resources to perform up to two activation tests per commitment period
- Tests will only be scheduled during the availability window
- Multiple demand response resources can be scheduled for a test activation on the same dispatch day
 - Typically up to three hourly demand response resources per demand response market participant will be scheduled per day

Summary of Testing Procedure

- After 10:00 EST day-ahead, IESO determines the capacity of selected demand response resources for the next day through their energy bids and submitted non-performance events
- Selected demand response participants are notified by telephone that their resource(s) will be tested on the following day
- Market participants will receive a standby notice for activated resources by 7am EST of the dispatch day and will receive an activation notice ~2.5 hours in advance of the first dispatch hour of the test activation

Stakeholder Feedback

Feedback: Can the IESO send an email notification of the test in addition to the phone call to eliminate participant error?

After further analysis and internal discussion, the IESO has determined that it cannot accommodate the request for additional email notification in addition to the current notification communications protocol.

- In addition to the phone call, participants will receive a standby notice for their activated resources via an online report by 07:00 EST on the day of the test*
- 2.5 hrs prior to activation, participants will also receive an activation report which will include the resource, MWs and hours to be tested*
- Current DR testing notification communications protocol (phone call, standby and activation notifications) already goes beyond normal protocols for other market tests such as Operating Reserve test activations*

Next Steps

- The purpose of this priority item was to provide greater clarity on the HDR test dispatch process for stakeholders
- The IESO is recommending to close off this item and remove it from the 2018 work plan