

DL in 10S - Market Manual Impacts

Dispatchable Load Working Group
October 29, 2007



- Which manuals are changing?
- What changes are being made?
- Implementation timeline

- Market Manual 1
 - Part 1.2: Facility Registration, Maintenance, and De-registration
 - Section 3.4.2 Market Changes – Operating Reserve Markets
- Market Manual 4
 - Part 4.3: Real-time Scheduling of the Physical Markets
 - Section 1.8.1 Issuing Dispatch Instructions – Registered Facilities
 - Section 1.8.5 Compliance with Dispatch Instructions

What Changes are Being Made?

- Market Manual 1.2 Section 3.4.2
 - “Requests to change a facility’s registration information to allow it to be used for participation in the *Operating Reserve* market will be subject to the following assessments:
 - whether the *facility* is eligible to provide *10 minute spinning reserve*. *Boundary entities and dispatchable load facilities* are not eligible to offer *10 minute spinning*; and
 - whether the facility’s *Ancillary Services* form indicates that there may be difficulty in providing *10 minute vs. 30 minute reserve*.
 - whether the *dispatchable load facility* is eligible to provide *10 minute non-spinning* or *30 minute reserve*. Dispatchable load participants must have a predictable, periodic consumption cycle, and meet the eligibility criteria for participation in the *10 minute non-spinning* and *30 minute reserve* market tabled below:...”
 - Criteria 1, 2, 4, 5
 - Remove all references to “non-spinning” and “non synchronized”
 - New paragraph in 3.4.2
 - Dispatchable loads providing *10 minute spinning reserve* through a generator greater than 20 MVA are required to provide unit synchronizing breaker status on that generator.

- Market Manual 4.3 Section 1.8 Issuing Dispatch Instructions
 - 1.8.1 Registered Facilities
 - “...A *dispatchable load* is not however, required to reject the *dispatch instruction* 18if **not** in its “**normal**” *energy withdrawal pattern*, but is required to: ...”
 - “...if the dispatch instruction relates to operating reserve, notify the IESO:
 - » when the deviation from dispatch is expected to be greater than 10 minutes and the *dispatch instruction* is for 10 minute ~~non-synchronized~~ *operating reserve*; or...
 - 1.8.5 Compliance with Dispatch Instructions
 - “In the case of a *dispatchable load facility*, scheduled and dispatched for 10 minute ~~synchronized~~ **or** non synchronized *operating reserve*, the *facility* would have to be at or below the dispatch target 10 minutes after receipt of the *dispatch instruction* flagged for activation of *operating reserve*.”

- IESO staff have identified a number of internal tool changes that will need to be developed and tested, meaning December release is not achievable
- Recommendation goes to the IESO Board on November 15, proposed implementation date of March 2008
- Market Manual changes will be incorporated for Baseline 19.0 (March 5, 2008)