

## **MDM/LSA Reporting Subgroup Presentation – June 22, 2009**

Contributors: Angela Corsi, Raymond Lee, Nancy Cameron, Kirsty McDougall, Bruce Ramsay

### **Objective of MDM Reporting Revisions**

1. Set a clear (unambiguous) standard for MDM responsibility and performance (who is responsible and what they need to do):
  - Lets MDMs know what is expected/required of them.
  - Sets a standard that can be enforced.
2. Provide a basis for the industry to have confidence in MDM data.
3. Encourage appropriate MDM behavior from an energy market perspective.
4. Establish consistency between system level and site metrics.
5. Review LSA performance diagnostics for clarify and usefulness.

### **Back Ground Discussion**

#### **System Performance Diagnostics**

##### Issues

- Zone Load Zero Balance Check is not stated explicitly in terms of SSC transactions
- Profiled Divergence Check is not useful

##### Proposed solutions

- State the Zone Load Zero Balance Check in terms of SSI and DSM transactions.
- Remove requirement for the Profiled Divergence Check.

#### **MDM Metrics for Interval Data**

##### Issues

- The market participant responsible for the MDM function not clear for all metering points.
- The MDM function implementation is inconsistent among market participants.
- No explicit rule exists stating that estimation is performed for real metering points.
- No rules exist for assigning a DIM status or DSM source of “estimated” where there are multiple real metering points per site/measurement point.
- Using DIM status or DSM source may not be an appropriate reflection of MDM performance as there may be multiple real metering points per site/measurement point.
- MDM metrics based on intervals do not necessarily promote the better load settlement results more quickly.
- No public visibility of MDM metrics.
- Inappropriate timing of MDM metrics reporting.

##### Proposed solutions

- Clearly assign MDM responsibility.

- Clearly state that estimation is performed for real metering points.
- Mark DIM/DSM interval data as “estimated” if any contributing metering point is estimated (excluding cumulative and unmetered points).
- Base MDM interval data metrics on DIM and DSM transactions (metrics may be based on real metering point data if this does not meet the requirement).
- Base MDM metrics on energy only (not on interval counts).
- Submit MDM metrics on the last business day of the month.
- AESO to post consolidated metrics.

### MDM Metrics for Cumulative Readings/DCMs

#### Issues

- Meter reading counts are not verifiable by any SSC transaction
- Not all sites are metered but DCMs are produced for unmetered sites
- There may be more than one DCM in the reporting period (65 days)
- DCMs report demand as well as energy readings
- Not all meters are installed on energized sites
- No public visibility of MDM metrics.
- Inappropriate timing of MDM metrics reporting.

#### Proposed solutions

- Remove the requirement to report a meter reading metric.
- Count only DCMs for sites that are energized in the reporting period (65 days)
- Count only one DCM for each site in the reporting period (65 days).
- Count only DCMs with energy readings
- Report the performance metric on the 12<sup>th</sup> business day of each month for the reporting period ending the last day of the previous month.
- AESO to post consolidated metrics.

### **SSC Section Changes (section numbering of current version)**

- 6.5.3 – System Performance Diagnostics
- 9.6.1.1 – DIM status definition (Estimated)
- 9.6.1.1 a) – GCM status definition (Estimated)
- 9.6.2.4.1 – DSM source definition (Estimated)
- 11.1 – Remove this section
- 11.2 – Clarify rolls, remove exceptions.
- 11.3.6 – Base MDM interval data metrics on DIM and DSM transactions (metrics may be based on real metering point data if this does not meet the requirement)
- 11.3.6.1 – Define system level interval data metrics based on energy volume.
- 11.3.6.2 – Define site level interval data metrics based on energy volume.
- 11.4.1.1 – Define a realistic meter reading and reporting requirement.
- 11.4.5 – Clarify cumulative meter data performance metric
- 12.2.1 – New timing for MDM reporting. ISO to publish market wide metrics.