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IESO SENIOR MANAGEMENT UPDATE

To: Stakeholder Advisory Committee
Date: October 19, 2011
Subject: Meter Data Management & Repository (MDM/R) and Time-of-Use Billing Briefing Note

Information Item

Smart Metering Initiative Progress

The IESO continues in supporting distributor enrolment and the implementation of time-of-use billing under the Ontario Energy Board's TOU mandate. The Meter Data Management and Repository (MDM/R) system is actively processing smart meter data and producing time-of-use (TOU) billing quantities for customer invoices:

- The MDM/R is supporting 59 LDCs, 3.84M meters in production, and processing reads from over 3.1M meters on a daily basis. By the end of August over 3.1M customers were on time-of-use billing.
- Based on progress to date and LDCs submitted plans, we expect that the MDM/R will be supporting most of the LDCs and approximately 4M meters by the end of the year.

The IESO is actively engaged with the distributors to facilitate their enrolment process and to help them meet their mandated TOU dates. With most of the remaining non-production distributors in various stages of preparations to integrate with the MDM/R we are confident that the IESO can continue to provide support to LDCs in all stages of enrolment testing.

MDM/R Performance

In August and September, 8 LDCs and over 150,000 meters were added to the MDM/R. The MDM/R system continued to experience stable and reliable operation, except for three incidents that delayed meter read processing for 4 LDCs and one incident that delayed billing quantity responses for 3 LDCs. These incidents were addressed by the IESO and have not re-occurred.

In August, the IESO implemented further improvements to the management of the storage infrastructure to support the increasing volumes of LDCs and meters.

The IESO remains confident that with ongoing tuning, planned infrastructure improvements, and collaborative support of LDCs, that the MDM/R will continue to offer a stable system and support LDCs time-of-use implementation plans and ramp up of meters to full provincial volumes.

Smart Metering Entity (SME) Governance

The IESO held a conference call with the EDA SME Transition Committee in August to provide an update on the Smart Metering Initiative, MDM/R and discuss SME governance matters.

The MDM/R Operations Working Group, representing the LDCs in and soon to be in production with the MDM/R, held its ninth meeting hosted by Hydro Ottawa. The Group hosts a teleconference call open to all interested LDCs to provide an update on MDM/R operations and answer questions. Teleconference session continues to be well attended.

Audit of MDM/R Operations

The audit of MDM/R Operations for the period April 1 to September 30, 2011 is nearing completion and the report is scheduled to be issued on November 15, 2011.

Measurement Canada

As previously reported all the changes required in the MDM/R to support the provinces 2011 Solution have been received and have been under test for several months. These changes, delivered as part of a new version of the software (Release 7.2) were made available for LDC testing on July 12. This provides a viable platform against which LDCs can test the changes to their systems which support the 2011 solution and prepare themselves for its migration into production. The IESO continues to test new Release 7.2 functions and fixes to any defects that emerge in testing this latest release.

The IESO continues to work closely with the LDCs as the solution rolls out and they prepare their systems. We continue to hold workshops as necessary, and have instituted periodic drop-in sessions for LDCs, until this next MDM/R release is promoted to production. We have also created a new page on our website (<http://smi-ieso.ca/>) devoted to informational materials related to the promotion of R7.2 and the Measurement Canada 2011 Solution.

The IESO and eMeter have continued discussions on the definition and development of the elements of the Measurement Canada 2012 Solution.