

# Revenue Metering Standing Committee



## Minutes of Meeting

<b>Date held:</b> <i>April 03, 2008</i>	<b>Time held:</b> 09:00 am	<b>Location held:</b> Monte Carlo Inn
<b>Invited/Attended:</b>	<b>Company name:</b>	<b>Attendance Status:</b> (A)ttended; (R)egrets; (S)ubstitute
Vito Genovese	Horizon Utilities	A
Luc Van Overberghe	Measurement Canada	A
David Haddock	Hydro One	A
Terry Court	Hydro One	A
Graham Henderson	Hydro One	A (part)
Matt Weninger	Guelph Hydro Electric Systems	A
Mark Simpson	Brantford Power	A
Alex Lunycz	Rodan Meter Services	A
Branko Boras	Enersource	A (part)
Luc Jerry	Utilismart Corporation	A
Joanne Turner	Brookfield Power	A
Jeff Simpson	Wecast Industries Inc.	A
Vasilica Parpaleo	Hydro One	A
Selina Chang	Rodan Meter Services	A
<b>Guests:</b>		
Rob Reid	N-Sci	A
David Grant	Toronto Hydro	A (part)
Phil Dubeski	Toronto Hydro	A (part)
Peter Hajek	La Prairie Inc.	A

<b>IESO Staff :</b>		
Rowan Jones	IESO	A
Doug Thomas	IESO	A
John Antonakos	IESO	A
Mihaela Vasilachi	IESO	A
Yan Bechamp	IESO	A (part)
Neill Wong	IESO	A
Jessica Greenburg	IESO	A (part)
<b>Scribe:</b> <i>Name of scribe</i> Please report any corrections, additions or deletions e-mail to scribe		

All meeting material is available on the IESO web site at: *include link to website*

**Document output of each agenda item below:**

**Item 1 – Items from last meeting**

- 1.1 Presentation by the IESO (01-Items from Oct 04 07 meet.ppt)
- 1.2 IESO to present in this meeting addressing the following items form Oct. 04, 2007 meet:
  - Toronto Hydro Bulk Metering
  - Connection Station Service
  - Un-metered Station Service – Application of Losses
  - MV90 xi – TCP/IP
  - Optical IT's
- 1.3 Temporary Power – On Hold

**Item 2 – Seal expiry update**

- 2.1 Presentation by the IESO (02-2008 - Seal Expiry Update\_April 4\_2008.ppt)
- 2.2 Approx. 95% of the 2003/4 seal expiries completed.
- 2.3 Approx. 91% of the 2005 seal expiries completed.
- 2.4 Approx. 81% of the 2006 seal expiries completed.
- 2.5 Approx. 71% of the 2007 seal expiries completed.

### Item 3 – THES HV Metering

3.1 Presentation by the IESO (03-THES HV Metering.ppt)

3.2 The outline of the proposed Market Rule was reviewed with the following points discussed:

- The word “satisfactory” is used Market Rule change 4.2.2A. The group clarified that what is satisfactory to the IESO may differ from application to application. The intent is that the IESO must be satisfied that applicant’s proposal does not affect the Market and is participants.
- Toronto Hydro must review all calculations with the addition of new participants within the transmission system.
- What constitutes a “material” change that would trigger a review and update of the meter point information and documentation
- Technical Panel Issues

3.3 The RMSC agreed with the IESO that a material change is any change that causes a  $\pm 0.5\%$  change in the energy consumed, or in the coincident peak or non-coincident peak

3.4 The group discussed the following issues raised by the Technical Panel at its March 18<sup>th</sup> meeting:

- Load diversity factor, how is this to be verified in the future?
  - The RMSC agreed that this verification is to be done by the transmitter and the transmission customer.
- Is there an ongoing requirement for LV metering? How long?
  - THESL stated that they would keep the down streams meters in for as long as is required by the IESO and Hydro One.
- Does the IESO have the authority to instruct the MMP in settlement of transmission charges?
  - The IESO position is no and the RMSC agreed with this position.
- Other than billing and collecting, is the IESO responsible in anyway for the transmission settlement? Does the IESO have a responsibility for ensuring equivalence?
  - The IESO position is no and the RMSC agreed.
- Who is going to accept that the load diversity formula is correct?
  - IESO position is the transmitter and the transmission customer are responsible and sign the SRR to that effect and the RMSC agreed.

3.5 Draft Amendment Proposal

The RMSC had a few clarification questions regarding the draft amendment proposal and the details of the diversity calculation. The members voted in favour of the wording of the draft amendment proposal with 4 abstentions. The abstentions were due to the members not feeling completely comfortable with their understanding of the issues.

### Item 4 – Measurement Canada submission – Legislative review

- 4.1 Presentation by the IESO (04-MC Legislative Review rev 1.ppt)
- 4.2 Overview of the IESO submission to Measurement Canada – Legislative review
- 4.3 IESO concerns are what responsibilities and role will MC have in a deregulated market and how will they be represented in any rewrite of the act. Some concerns are:
  - Electricity sector not necessarily vertically integrated.
  - Sellers or purchasers are not at the same location.
  - Responsibility for the metering can be seller or purchaser.
  - IESO is the administrator, not a purchaser of electricity.
  - No clear “contractor” in the market.
  - Definition of “owner” and “owner’s records”.
  - Dispute mechanisms are per the market rules.
  - Record retention period and responsibility
  - Legal authority to share the records.
- 4.4 New legislation should not increase IESO liability.
- 4.5 IESO considering implications of multi-level intervention, may propose an alternative arrangement.

#### **Item 5 – Measurement Canada submission – VA and Max Dem**

- 5.1 Presentation by the IESO (05-Recommendations for VA Calculation and Demand Response.ppt)
- 5.2 An overview of the review the IESO conducted and the submission to MC highlighting key area of concern were presented.
- 5.3 Terry Court of Hydro One reported that the MC Working group has made some changes in response to comments received.

#### **Item 6 – Measurement Canada submission – LUM**

- 6.1 Presentation by the IESO (06-Recommendations for SLUM PLUM.ppt)
- 6.2 An overview of the review the IESO conducted and the submission to MC highlighting key area of concern were presented.
- 6.3 Discussion around what cost the industry would incur if proposal were to pass as written now.
- 6.4 Terry Court of Hydro One reported that the MC Working group has made some changes in response to comments received.

#### **Item 7 – Customer Survey results**

- 7.1 Presentation by the IESO (07-Customer Survey Results.ppt)
- 7.2 A brief summary of the customer survey results conducted in 2007 was presented. Some key points made:

- Strong reputation in the sector
- Improvements over last year's results
- IESO continues to be a leader in the sector

7.3 IESO metering group committed to finding efficiencies and remove administrative burden in meter registration process.

## **Item 8 – TCP/IP update**

- 8.1 Presentation by the IESO (08-MV-90 xi TCPIP.ppt)
- 8.2 Cellular analog technology being phased out in Ontario creating a situation with several WRM installations.
- 8.3 IESO submitted business case to implement MV90 TCP/IP package to address current situation.
- 8.4 If approved the project will be implemented in two phases. The targeted completion date is August 1<sup>st</sup>, 2008

## **Item 9 – Market Manuals updates**

- 9.1 Presentation by the IESO (09-Market Manuals Update.ppt)
- 9.2 Baseline 19.0 in effect March 5, 2008
- 9.3 Wholesale Revenue Metering Standard – Hardware MDP\_STD\_0004
  - new section 6.10.3 – Electronic Current Transformers
  - new section 6.10.4 – Electronic Voltage Transformers
  - Revised section 6.9.1c – Selection of Current Transformer Ratios - ANSI 0.15 accuracy class to a defined standard
  - Footnote 5 lists: “IEEEC57.13.6-2005 “IEEE Standard for High-Accuracy Instrument Transformers
- 9.4 Market Manual 3; Metering Part 3.7 con't Totalization Table Registration
  - Added new section 2.2.7 – “Totalization Table Notes”for MSP use
  - Revised section 2.3.1 – “station service load will be calculated up to the DMP as 2% higher than usage of the secondary estimated load”
  - Added new section 2.3.2 – “an alternative method to supply station service factors by using retail meters to estimate the load”
- 9.5 Market Manual 3; Metering Part 3.9 Conformance Monitoring IMP\_PRO\_0058
  - Revised section 1.3.2 – “Circuit Capacity Less Than an Average Annual Maximum Monthly Load of 10 MW based on the previous calendar year”
  - Revised section 1.3.2 – “Circuit Capacity Equal to or Greater Than an Average Annual Maximum Monthly Load of 10 MW based on the previous calendar year”

## **Item 10 – Wholesale Metering performance 2007**

- 10.1 Presentation by the IESO (10-Wholesale Metering performance 2007.ppt)
- 10.2 Key indicators when tracking performance are:
  - Status of Registration process.
  - Site Registration Reports late for final.
  - Registration errors by IESO.

- Registration errors by MSP.
  - Field audits completed.
  - Communications that failed to collect data, where the cause is under the IESO's control.
  - MTRs per metering installation.
- 10.3 Performance numbers from key indicators reviewed for 2007.
- 10.4 Report on number of audits performed by IESO metering staff.

### **Item 11 – Metering installation upgrade lead times**

- 11.1 Verbal discussion led by Mark Simpson of Branford Power
- 11.2 Speaker described the steps taken to prepare and plan IT replacement facing dispensation expiration.
- 11.3 MMP found that the believed time line of approx. 24 month process actually extended to approx.36 months.
- 11.4 Group concern with the inability to meet expiration dates of ITs which would put MMP's in non-compliance with Market Rule requirements.
- 11.5 The RMSC groups recommended a working group to be formed to review all issues and work with Hydro One to recommend next steps in addressing the requirement both to Measurement Canada and the IESO.

### **Item 12 – Web portal update**

- 12.1 Presentation by the IESO (12-Web portal update.ppt)
- 12.2 Identified what the IESO is working on with respect to the tools used for Participant registration, Meter installation registration and on line form submission.

### **Item 13 – 25 Hz Meters update**

- 13.1 Presentation by the IESO (13-25 Hertz Meter Update.ppt)
- 13.2 Recent development:
- PML ION 8600 Version 3.11 submitted for conforming meter list
  - Separate Measurement Canada Notice of Approval No. AE-1535 issued Sept 27, 2007
  - kWh only approved for energy metering

- Bi-directional power flow not specified
  - 25 Hertz rating
  - 120 VAC & 0.2 to 20 Amps
  - 2 element 3-wire Delta & 3 element 4-wire Wye
- 13.3 OPGI Exemption 01-1234 from use of IESO conforming meters at Niagara TS – expires within two (2) years of MC approved meter on Conforming Meter List becoming available. This will then be 2010.
- 13.4 Other 25 Hz facilities in Ontario:
- Sir Adam Beck GS (Niagara) and Martindale TS (Sudbury). Both facilities are metered at 60 Hz side of frequency changer.

**Item 14 – Walk-in items**

1. Ontario MV90 Workshop to be held May 27<sup>th</sup> & 28<sup>th</sup>, 2008.
2. Are considerations being made for settling on P.F.

Action Item Summary				
#	Date	Action	Status	Comments
1	April 03,2008	Item #11 action. To form working group to explore how to address the time delay in meeting compliance requirement for IT replacement.	<i>Working group not established as of yet.</i>	Need to determine if this is an issue for the RMCS