

IESO/HONI Meter Installation Upgrade Strategy Final Report

Revenue Metering Sub Committee Meeting
November 16, 2005
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- q **Joint initiative between IESO and Hydro One to look at MMP's issues and challenges related to metering installation upgrades, specifically bus metering installations located inside a Hydro One owned facility.**
- q **Met with Hydro One Brampton, Oakville Hydro, Ottawa Hydro, Toronto Hydro, Welland Hydro, Niagara Falls Hydro, Brantford Hydro, Enersource Hydro Mississauga, **London Hydro** and **Horizon Utilities**.**
- q **Final Report ready to be submitted to IESO senior management**

- q The following is a list of challenges an LDC faces when upgrading a bus metering installation**
- 1. Upgrade complexity**
 - 2. Emergency IT Restoration Plan difficult to implement**
 - 3. Substantial upgrade is difficult to comply and costly**
 - 4. Registration process is overly complex**
 - 5. Capacity of HONI resources**
 - 6. Significant regulatory burden**
 - 7. Issues related to sharing of IT's**
 - 8. HONI cost structure**
 - 9. Measurement Canada (MC) type approval for IT's**

9. Inaccurate/incomplete IT information
10. Scheduling of the work
11. Turnaround time for submissions
12. Metal clad switchgear
13. Limited period of time for outages
14. Numerous HONI agreements (7 in some cases)
15. Cannot perform work on HONI property or equipment
- 16. Getting a decision from HONI – upgrades tied in with HONI and LDC long term planning of future capacity requirements**

- q **Upgrading a bus metering installation located inside a transformer station owned by another party is a very difficult task for LDC's.**
- q **The most difficult and costly aspect of the upgrade is the replacement of the IT's.**
- q **To address this issue, this proposal would permit the existing IT's to remain in place and not require their upgrading or replacement.**
- q **MMP's will have the option of keeping existing IT's in situ, and 'as is' for the life of the IT's.**
- q **Replacement of IT's is required where the IT's fail or when there is a substantial upgrade of the metering installation.**
- q **Sharing of IT's can remain.**
- q **The existing IT's will continue to be registered under the Alternative Metering Standard.**
- q **MMP's must meet certain conditions to qualify for relief under this proposal.**

- q Proposal will provide the IESO with the authority to grant relief where relief is warranted.**
- q As recommended by the RMSC, relief will be the exception and not the rule.**
- q Proposal does not address the situation with Measurement Canada.**
 - Suggestion was made that the IESO and HONI approach Measurement Canada to see if there is some flexibility – all reasonable efforts to upgrade have been carried out and the remaining IT's are prohibitively expensive to replace**
 - Grant lifetime dispensation for the balance of IT's.**

- q It is recommended that this proposal be adopted and that the IT's be allowed to remain indefinitely in the three cases specified. IESO to proceed to change the market manuals.**
- q HONI review their procedures to ensure they are working with LDC's to meet the requirements of the Market Rule's.**
- q HONI and the IESO approach Measurement Canada to see if they are amenable to a new approach on IT type approval.**

- q Subject to concurrence from the Revenue Metering Sub Committee, the final report will be taken to the IESO and HONI senior management for consideration.**
- q Subject to their agreement, the recommendations will be put in place. This includes:**
 - Changes will be made to the Market Rules and Market Manuals**
 - An approach will be made to Measurement Canada**