

Monitoring Report Smart Meter Deployment and TOU Pricing – October 2010

December 9, 2010

Purpose and Objective

This report summarizes the activities by licensed distribution companies with respect to the implementation of smart meters and Time of Use (TOU) pricing for Regulated Price Plan (RPP) consumers during the period October 1, 2010 through October 31, 2010.

On August 4 the Board issued a determination that set mandatory dates by which distributors must complete certain activities required for the implementation of Time-Of-Use (TOU) billing. There are three important activities that a distributor must undertake to implement TOU pricing. These three activities are meter installation, smart meter enrolment with the MDM/R (Meter Data Management Repository), and activation of TOU pricing within their service area.

In order to monitor progress towards meeting the requirements of the determination, the Board is requiring distributors to submit monthly reports on MDM/R (Meter Data Management Repository) enrolment testing, the meter enrolment process and the outlook for meeting their mandatory TOU dates. In order to complete the MDM/R enrolment process, distributors need to complete ten milestones activities; including internal system testing and system integration testing with the MDM/R. As part of the monitoring of distributors' progress, the Board has also required distributors to report on these specific milestones. Further, the Board is also requiring the Smart Meter Entity ("SME") to submit monthly reports regarding its status and readiness in supporting the implementation of TOU billing.

This report provides a summary of the activities undertaken by licensed distribution based on the new filing requirements and reflects the mandatory TOU implementation requirements.

Summary

- As of October 31, 2010 there were 4,463,439 installed smart meters and 1,266,888 customers on TOU billing.
- In its monthly report, the SME states that it "continues to effectively support distributor enrolment and the implementation of TOU billing under the Board's TOU mandate."

- Distributors remain approximately on target to meet the Government of Ontario's target of having 3.6 million RPP consumers billed on a TOU basis by June 2011:
 - Of the 41 distributors (representing 3,987,512 customers) have June 2011 mandatory dates:
 - Milton Hydro has completed TOU roll-out for all of its eligible RPP customers.
 - Newmarket-Tay Power Distribution has completed TOU roll-out for all of its residential customers and is proceeding with its eligible RPP general service customers.
 - 5 distributors (Clinton, Fort Frances, Kenora, Middlesex, Renfrew), representing 20,847 customers, have been identified as being at risk of missing their TOU date either because they have not yet submitted a project plan confirming an enrolment testing date or because their currently scheduled enrolment testing completion dates are inconsistent with their mandatory TOU dates. Board staff followed up with these distributors, and all confirmed their commitment to achieving their mandatory TOU dates.
 - 1 distributor (Enersource), representing 187,026 customers, has indicated that they expect to make an application to the Board to change their mandatory date.
 - 4 distributors (Cambridge North Dumfries, Cooperative Embrun, ENWIN, and Thunder Bay), representing 184,146 customers have applied to the Board to change their mandatory date.
 - Hydro One Networks has applied to the Board for an exemption from its mandatory date that would exclude approximately 150,000 customers that are currently outside the reach of Hydro One's smart meter telecommunications infrastructure.
- A total of 12 distributors (representing 219,099 customers), including the 5 with a June 2011 mandatory date noted above, were identified as being at risk of missing their TOU date because they have not yet submitted a project plan confirming an enrolment testing date; or their currently scheduled enrolment testing completion dates are inconsistent with their mandatory TOU dates; or they have fallen behind schedule on enrolment testing. These distributors are:
 1. Brant County Power
 2. Brantford Power

3. Burlington Hydro
4. Clinton Power
5. COLLUS Power
6. Fort Frances Power
7. Hearst Power
8. Kenora Hydro Electric
9. Middlesex Power Distribution
10. Niagara Peninsula Energy
11. Renfrew Hydro
12. Welland Hydro-Electric System

Board staff followed up with these distributors: one indicated its intention to apply to the Board to change its mandatory TOU date (Brantford); the remainder confirmed their commitment to achieving their mandatory TOU dates.

- A total of 10 distributors (representing 255,376 customers), including the 4 with a June 2011 mandatory date but excluding Hydro One, have applied to the Board to extend their mandatory date. These distributors are:
 1. Algoma Power Inc.
 2. Cambridge and North Dumfries
 3. Canadian Niagara Power: Fort Erie
 4. Cooperative Embrun
 5. Eastern Ontario Power
 6. ENWIN
 7. Grimsby Power
 8. Port Colborne
 9. Thunder Bay Hydro
 10. Westario Power

- A total of 6 distributors (representing 169,505 customers) have not yet contacted the SME to schedule an enrolment testing date:
 1. Algoma Power Inc.
 2. Brant County Power
 3. Enwin
 4. Middlesex Power
 5. Niagara Peninsula Energy
 6. Westario Power

Board staff followed up with Brant County Power, Middlesex Power, and Niagara Peninsula Energy; they all confirmed that a project plan has since been submitted to the SME. As noted above, Algoma, ENWIN, and Westario have applied for extensions on their mandatory TOU dates.

Distributor Progress in Smart Meter Deployment and TOU Implementation

	Previous Total	Added This Period	Current Total	Percent of June 2011 Target Achieved
Smart Meters Installed	4,382,194	81,245	4,463,439	124%
Smart Meters Enrolled with MDM/R	1,717,816	102,960	1,820,776	51%
Customers on TOU Billing	1,105,378	161,510	1,266,888	35%

Distributor Progress in MDM/R Enrolment

	Previous Total	Added this Period	Current Total
SME Registration Application Submitted	68	5	73
LDCs Scheduled for Enrolment Testing (submitted project plan and confirmed date with SME)	31	8	39
LDCs in Enrolment Testing	2	5	7
LDCs in Production (completed enrolment testing)	11	0	11

Distributors With Customers on TOU Billing

Distributor	RPP-eligible customers	Customers on TOU Billing	% of Customers on TOU Billing
Chatham-Kent Power	31,324	10,058	32.1%
Horizon Utilities	231,728	118,521	51.1%
Hydro One Networks	1,188,804	373,179	31.4%
Hydro Ottawa	296,383	4,974	1.7%
Milton Hydro	27,123	27,121	100.0%
Newmarket-Tay Power Distribution	31,953	26,648	83.4%
Oakville	61,860	373	0.6%
Peterborough Distribution Inc.	34,681	188	0.5%
Powerstream Inc.	316,208	173,094	54.7%
Toronto Hydro	690,623	500,000	72.4%
Veridian Connections	111,137	32,732	29.5%
Total	3,021,824	1,266,888	