

Monitoring Report Smart Meter Deployment and TOU Pricing – January 2012

April 17, 2012

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 January 1, 2012 through January 31, 2012.

- As of January 31, 2012 there were 4,752,171 installed smart meters, 4,086,339 meters enrolled with the MDM/R (56,965 added in January) and 3,770,332 customers on TOU billing (131,279 added in January).
- In its monthly report, the SME states that it is confident “the MDM/R will continue to offer a stable system and effectively support LDCs time-of-use implementation plans and ramp up of meters to full provincial volumes.”

Background

On August 4, 2010 the Board issued a determination that set mandatory dates by which distributors must complete the implementation of time-of-use (TOU) billing. The Board’s determination requires that a distributor commence TOU billing of consumers with the first billing cycle following the mandatory date, this recognizes that distributors may implement TOU billing as a practical matter with the first bill to a consumer after the mandatory date. 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 no later than the first billing cycle following a distributor’s mandatory TOU date.

In order to monitor progress towards meeting the requirements of the determination, the Board is requiring distributors to submit monthly progress reports. 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.

The remainder of this report provides a summary of the activities undertaken by licensed distribution companies and the SME reflecting the mandatory TOU implementation requirements as of January 31, 2012.

Distributor Summary

- As of January 31, 2012 there were 4,752,171 installed smart meters, 4,086,339 meters enrolled with the MDM/R and 3,770,332 customers on TOU billing.
- As of January 31, 2012, 54 distributors (up from 52 in December 2011) were billing some or all of their customers TOU prices. A list of these distributors is below.
- Cooperative Hydro Embrun Inc., Ottawa River Power Corp., Renfrew Hydro Inc., Welland Hydro-Electric System Corp., Wellington North Power Inc. and West Coast Huron Energy Inc. did not report any customers on TOU pricing in January though each has a mandatory TOU date of January 2012. However, they each advised that implementation has since commenced or been completed.
- Due to the pending upgrade of the MDM/R to R7.2 the following distributors have reported to the Board that they have missed or will miss their TOU dates of December 2011, January or February 2012: Bluewater Power Distribution, Cambridge and North Dumfries Hydro Inc., Canadian Niagara Power, Eastern Ontario Power Inc., Greater Sudbury Hydro, Grimsby Power Inc., Port Colborne Hydro Inc., Peterborough Distribution Inc., Rideau St. Lawrence Distribution and Westario Power Inc. Since these distributors are prepared internally for TOU implementation and are delayed solely due to factors beyond their control the Board does not require them to file applications for extensions. Board staff will continue to monitor their progress closely as well as the SME's progress in upgrading the MDM/R which is discussed further below.
- A total of 31 distributors (representing 935,576 customers) have applied to the Board to extend their mandatory date. Most of the extension requests would only result in a short delay to ensure a smooth transition for their customers. Decisions have been issued for all 31 of these applications. A list of these distributors is below.
- A total of 13 distributors have applied to the Board for partial exemptions for limited numbers of their RPP eligible customers to allow more time to bring these customers onto TOU. Decisions have been issued for all of these requests. 11 requests were granted by the Board based on technical and/or operational reasons. Two partial applications were denied by the Board after it found their requests lacked sufficient justification.

Smart Meter Entity (SME) Summary

In its monthly report, the SME states that it “remains confident that with ongoing tuning, planned infrastructure improvements and collaborative support of LDCs, the MDM/R will continue to offer a stable system and effectively support LDCs time-of-use implementation plans and ramp up of meters to full provincial volumes.”

- With regards to the Measurement Canada 2011 Solution, having previously deferred a January production date for R7.2, the SME reports that it “continues to make progress in the remediation of issues for R7.2 to be considered production ready. The SME is in the process of testing corrections received and assessing the remaining identified issues. On January 25, the SME published an updated schedule for the deployment of R7.2 and the MC 2011 solution with a target of the weekend of March 30. To achieve this revised schedule requires that no new critical defects are identified, fixes received are confirmed to work properly, and results of R7.2 performance testing are satisfactory.”
- Board staff is closely monitoring progress through regular communication with the SME.

Distributor Progress in Implementation

	Previous Total	Added This Period	Current Total	Percent of RPP Eligible Consumers as of January 31, 2012
Smart Meters Installed	4,742,680	9,491	4,752,171	99%
Smart Meters Enrolled with MDM/R	4,029,374	56,965	4,086,339	86%
Customers on TOU Billing	3,639,053	131,279	3,770,332	79%

Distributor Progress in MDM/R Enrolment

	Previous Total	Added this Period	Current Total
LDCs in Enrolment Testing	6	-1	5
LDCs in Production (completed enrolment testing)	64	2	66

Distributors with Customers on TOU Billing

Distributor	RPP-eligible customers	Customers on TOU Billing	% of Customers on TOU Billing
Atikokan Hydro Inc.	1,686	1,666	98.81%
Brant County Power Inc.	9,546	9,104	95.37%
Brantford Power Inc.	37,604	35,835	95.30%
Burlington Hydro Inc.	63,932	63,932	100.00%
COLLUS Power Corporation	15,751	4,482	28.46%
Chapleau Public Utilities Corporation	1,274	1,272	99.84%
Chatham-Kent Hydro Inc.	39,705	39,705	100.00%
E.L.K. Energy Inc.	10,813	10,151	93.88%
Enersource Hydro Mississauga Inc.	191,954	42,934	22.37%
Erie Thames Powerlines Corporation	17,886	17,861	99.86%
Espanola Regional Hydro Distribution Corporation	3,285	3,235	98.48%
Essex Powerlines Corporation	27,922	27,857	99.77%
Guelph Hydro Electric Systems Inc.	48,044	45,607	94.93%
Haldimand County Hydro Inc.	20,914	20,816	99.53%
Halton Hills Hydro Inc.	20,643	20,643	100.00%
Hearst Power Distribution Company Limited	2,504	2,690	100.00%
Horizon Utilities Corporation	233,391	229,040	98.14%
Hydro Hawkesbury Inc.	5,350	5,350	100.00%
Hydro One Brampton Networks Inc.	136,215	133,642	98.11%
Hydro One Networks Inc.	1,200,049	1,056,671	88.05%
Hydro Ottawa Limited	302,032	266,517	88.24%
Innisfil Hydro Distribution Systems Limited	14,760	14,385	97.46%
Kenora Hydro Electric Corporation Ltd.	5,507	5,507	100.00%
Kingston Hydro Corporation	26,518	26,358	99.40%
Kitchener-Wilmot Hydro Inc.	87,149	83,700	96.04%
Lakefront Utilities Inc.	9,545	9,545	100.00%
Lakeland Power Distribution Ltd.	9,502	9,583	100.00%
Middlesex Power Distribution Corporation	7,924	7,924	100.00%
Midland Power Utility Corporation	6,833	6,833	100.00%

Distributor	RPP-eligible customers	Customers on TOU Billing	% of Customers on TOU Billing
Milton Hydro	27,971	27,971	100.00%
Newmarket - Tay Power Distribution Ltd.	32,962	32,288	97.96%
Niagara Peninsula Energy Inc.	49,887	42,875	85.94%
Niagara-on-the-Lake Hydro Inc.	7,922	7,633	96.35%
Norfolk Power Distribution Inc.	18,845	16,676	88.49%
North Bay Hydro Distribution Limited	23,606	21,936	92.93%
Northern Ontario Wires Inc.	5,991	5,858	97.78%
Oakville Hydro Electricity Distribution Inc.	62,734	57,769	92.09%
Orangeville Hydro Limited	11,111	11,068	99.61%
Orillia Power Distribution Corporation	12,885	12,814	99.45%
Oshawa PUC Networks Inc.	52,687	52,259	99.19%
PUC Distribution Inc.	32,629	30,957	94.88%
Parry Sound Power Corporation	3,333	3,315	99.46%
Peterborough Distribution Incorporated	35,029	183	0.52%
PowerStream Inc.	317,948	313,581	98.63%
Sioux Lookout Hydro Inc.	2,696	2,583	95.81%
St. Thomas Energy Inc.	16,295	16,238	99.65%
Thunder Bay Hydro Electricity Distribution Inc.	49,205	49,155	99.90%
Tillsonburg Hydro Inc.	6,671	3,769	56.50%
Toronto Hydro-Electric System Limited	702,195	649,372	92.48%
Veridian Connections Inc.	112,720	111,011	98.48%
Wasaga Distribution Inc.	12,291	11,977	97.45%
Waterloo North Hydro Inc.	52,151	49,187	94.32%
Whitby Hydro Electric Corporation	40,096	22,000	54.87%
Woodstock Hydro Services Inc.	15,011	14,992	99.87%
TOTAL	4,263,109	3,770,332	-

Approved Applications for Extensions (full and partial)¹

Distributor	Original Mandatory TOU Date	New Mandatory TOU Date	Number of RPP Eligible Customers Affected
Algoma Power Inc.*	Jun-11	Jul-12	11,551
Bluewater Power Distribution	Oct-11	Jan-12	35,259
Brantford Power Inc.	Jul-11	Nov-11	37,286
Burlington Hydro Inc.	Jul-11	Jan-12	63,424
Cambridge and North Dumfries Hydro	Oct-11	Feb-12	50,295
Canadian Niagara Power Inc. *	Dec-11	Jan-12	15,517
COLLUS Power Corp.	Jul-11	Dec-11	15,465
Cooperative Hydro Embrun Inc.**	Jun-11	Jan-12	1,780
Eastern Ontario Power Inc.*	Feb-12	Feb-12	3,494
EnWin Utilities Ltd.	Jun-11	Dec-12	83,727
Enersource Hydro Mississauga Inc.	Jun-11	May-12	188,787
Essex Powerlines Corp.	Jun-11	Dec-11	27,850
Espanola Regional Hydro Distribution Corp. (partial)	Oct-11	Mar-12	99
Festival Hydro Inc.	Sep-11	May-12	19,335
Greater Sudbury Hydro Inc.	Jun-11	Dec-11	46,040
Grimsby Power Inc.*	Sep-11	Dec-11	10,052
Guelph Hydro Electric Systems Inc. (partial) ²	Jun-11	May-12	1,750
	Jun-11	Aug-12	2,482
Haldimand County Hydro Inc. (partial)	Sep-11	Jan-12	456
Hydro 2000 Inc.**	Oct-11	Jan-12	1,187
Hydro One Networks Inc. (partial)	Jun-11	Est. late 2012	150,000

¹ PowerStream and Midland's requests for partial extension for their GS>50kW customers were both denied. As such, Midland implemented TOU for all its RPP-eligible customers in June, whereas PowerStream's implementation is still underway.

* It should be noted that Algoma Power Inc., Canadian Niagara Power: Fort Erie, Eastern Ontario Power, and Port Colborne are all owned by FortisOntario. These distributors are working in association with Grimsby and Westario Power and jointly filed an application for extension.

** Cooperative Hydro Embrun, Hydro 2000, Ottawa River Power and Renfrew Hydro are working together to implementing TOU billing and filed a joint application for an extension. This was Cooperative Hydro Embrun's second extension application. Cooperative Hydro Embrun had previously applied for, and was granted, an extension from their original date of June 2011 to October 2011 (to align with Ottawa River Power's original TOU date).

² In two separate applications Guelph Hydro requested and was granted partial extensions for two different groups of customers each group having different reasons for needing an extension.

Distributor	Original Mandatory TOU Date	New Mandatory TOU Date	Number of RPP Eligible Customers Affected
Kingston Hydro Corp.	Jun-11	Oct-11	26,557
Kitchener-Wilmot Hydro Inc. (partial)	Jun-11	Jan-12	6,600
London Hydro Inc.	Jun-11	May-12	140,499
Newmarket-Tay Power Distribution (partial)	Jun-11	Nov-11	2,584
Oakville Hydro Electricity Distribution (partial)	Jul-11	Mar-12	4,586
Orangeville Hydro Ltd.	Jun-11	Sep-11	11,031
Orillia Power Distribution Corp. (partial)	Jun-11	Nov-11	800
Ottawa River Power Corp.**	Oct-11	Jan-12	10,301
Port Colborne Hydro Inc.*	Dec-11	Jan-12	9,060
PUC Distribution Inc.	Oct-11	Mar-12	1,181
Renfrew Hydro Inc.**	Jun-11	Oct-11	3,748
Tillsonburg Hydro Inc.	Jun-11	Jan-12	6,643
Thunder Bay Hydro Electricity	Jun-11	Aug-11	49,014
Veridian Connections Inc. (partial)	Jun-11	Dec-11	7,821
Wasaga Distribution Inc.	Jun-11	Nov-11	12,020
Waterloo North Hydro Inc.	Jun-11	Jan-12	2,957
Westario Power Inc.*	Sep-11	Dec-11	21,747
Welland Hydro-Electric System Corp.	Sep-11	Jan-12	21,776
West Coast Huron Energy Inc.	Aug-11	Jan-12	3,822
Wellington North Power Inc.	Jun-11	Jan-12	3,572