

Monitoring Report Smart Meter Deployment and TOU Pricing – October 2011

December 1, 2011

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, 2011 through October 31, 2011.

- As of October 31, 2011 there were 4,726,057 installed smart meters, 3,984,383 meters enrolled with the MDM/R (122,227 added in October) and 3,458,037 customers on TOU billing (165,314 added in October).
- 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 October 31, 2011.

Distributor Summary

- As of October 31, 2011 there were 4,726,057 installed smart meters, 3,984,383 meters enrolled with the MDM/R and 3,458,037 customers on TOU billing.
- As of October 31, 2011, 48 distributors were billing some or all of their customers TOU prices. A list of these distributors is below.
- Due to unexpected technical/operational issues one distributor (Hydro Hawkesbury) has not commenced TOU billing in accordance with its mandatory TOU date of October 2011. However, the issues have since been resolved and Hydro Hawkesbury is currently on track to implement TOU pricing in December 2011.
- 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. The Board has issued a decision for 10 of these requests so far. Eight 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 the SME reports that “it is working toward the targeted deployment timeline of mid-January that was shared with the LDCs in July, but we are dealing with a number of defects and cannot confirm yet that we will hit the targeted date. We continue to test new Release 7.2 functions and fixes to any defects that emerge in testing. By the end of November, following our assessment of the results of testing and any remaining defects, we will either confirm the mid January date or provide a new target deployment date.”
- 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 August 31, 2011
Smart Meters Installed	4,713,476	12,851	4,726,057	99.55%
Smart Meters Enrolled with MDM/R	3,860,532	120,541	3,984,383	83.89%
Customers on TOU Billing	3,292,975	163,862	3,458,037	72.81%

Distributor Progress in MDM/R Enrolment

	Previous Total	Added this Period	Current Total
LDCs in Enrolment Testing	3	-2	1
LDCs in Production (completed enrolment testing)	59	5	64

Distributors with Customers on TOU Billing

Distributor	RPP-eligible customers	Customers on TOU Billing	% of Customers on TOU Billing
Atikokan Hydro Inc.	1,686	1,452	86.12%
Brant County Power Inc.	9,546	8,900	93.23%
Chapleau Public Utilities Corporation	1,274	1,255	98.51%
Chatham-Kent Hydro Inc.	31,772	31,772	100.00%
E.L.K. Energy Inc.	10,798	10,270	95.11%
Enersource Hydro Mississauga	190,412	8,587	4.51%
Erie-Thames Powerlines	17,886	17,802	99.53%
Espanola Regional Hydro Distribution	3,284	1,105	33.65%
Essex Powerlines	27,877	16,845	60.43%
Fort Frances Power	3,732	3,732	100.00%
Guelph Hydro Electric Systems	48,044	45,397	94.49%
Haldimand County Hydro	20,897	20,311	97.20%
Halton Hills Hydro	20,643	20,643	100.00%
Hearst Power Distribution Company	2,690	2,690	100.00%
Horizon Utilities	232,886	228,152	97.97%
Hydro One Brampton	135,617	131,177	96.73%
Hydro One Networks	1,196,775	1,056,671	88.29%
Hydro Ottawa	300,844	258,326	85.87%
Innisfil Hydro Distribution Systems	14,721	14,331	97.35%
Kenora Hydro Electric Corporation	5,502	5,502	100.00%
Kingston Electricity Distribution Ltd	26,483	24,153	91.20%
Kitchener-Wilmot Hydro	86,719	81,277	93.72%
Lakefront Utilities	9,533	9,533	100.00%
Lakeland Power Distribution	9,548	9,548	100.00%
Middlesex Power Distribution	7,911	7,911	100.00%
Midland Power Utility Corporation	6,831	6,831	100.00%
Milton Hydro	27,971	27,971	100.00%
Newmarket-Tay Power Distribution	32,639	27,241	83.46%
Niagara-on-the-Lake Hydro	7,887	7,606	96.44%
Niagara-Peninsula Energy	49,778	20,310	40.80%
Norfolk Power Distribution	18,815	17,406	92.51%
North Bay Hydro Distribution	23,856	22,484	94.25%
Northern Ontario Wires	6,037	5,797	96.02%
Oakville Hydro Electric Distribution	62,598	57,047	91.13%
Orangeville Hydro Ltd.	11,089	11,043	99.59%
Orillia Power Distribution	12,865	12,721	98.88%

Distributor	RPP-eligible customers	Customers on TOU Billing	% of Customers on TOU Billing
Oshawa PUC Networks	52,590	51,998	98.87%
Parry Sound Power Corporation	3,330	3,301	99.13%
Peterborough Distribution Inc.	34,967	184	0.53%
Powerstream Inc.	312,000	287,444	92.13%
PUC Distribution	32,527	16,697	51.33%
Sioux Lookout Hydro Inc.	2,701	2,530	93.67%
St. Thomas Energy Inc.	16,267	16,221	99.72%
Thunder Bay Hydro Electric Distribution	49,128	30,475	62.03%
Toronto Hydro-Electric System Ltd.	700,749	644,947	92.04%
Veridian Connections	112,413	108,861	96.84%
Waterloo North Hydro	52,004	47,859	92.03%
Woodstock Hydro Services	14,901	13,721	92.08%
TOTAL	4,062,706	3,458,037	-

Pending Applications for Partial Extensions

Distributor	Mandatory TOU Date	Requested TOU Date	Number of RPP Eligible Customers Affected
Espanola Regional Hydro Distribution Corp.	Oct-11	Mar-12	99
Guelph Hydro	Jun-11	Aug-12	2,482
PUC Distribution Inc.	Oct-11	Mar-12	1,181

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	Oct-11	Jan-12	35,259
Brantford Power	Jul-11	Nov-11	37,286
Burlington Hydro	Jul-11	Jan-12	63,424
Cambridge and North Dumfries Hydro	Oct-11	Feb-12	50,295
Canadian Niagara Power (Fort Erie)*	Dec-11	Jan-12	15,517
COLLUS Power	Jul-11	Dec-11	15,465
Cooperative Hydro Embrun**	Jun-11	Jan-12	1,780
Eastern Ontario Power*	Feb-12	Feb-12	3,494
EnWin	Jun-11	Dec-12	83,727
Enersource	Jun-11	May-12	188,787
Essex Powerlines	Jun-11	Dec-11	27,850
Festival Hydro	Sep-11	May-12	19,335
Greater Sudbury Hydro	Jun-11	Dec-11	46,040
Grimsby Power*	Sep-11	Dec-11	10,052
Guelph Hydro (partial)	Jun-11	May-12	1,750
Haldimand County Hydro Inc. (partial)	Sep-11	Jan-12	456
Hydro 2000**	Oct-11	Jan-12	1,187
Hydro One Networks (partial)	Jun-11	Est. late 2012	150,000
Kingston Electricity Distribution	Jun-11	Oct-11	26,557
Kitchener-Wilmot Hydro (partial)	Jun-11	Jan-12	6,600
London Hydro	Jun-11	May-12	140,499
Newmarket-Tay Hydro (partial)	Jun-11	Nov-11	2,584
Oakville Hydro (partial)	Jul-11	Mar-12	4,586
Orangeville Hydro	Jun-11	Sep-11	11,031
Orillia Power (partial)	Jun-11	Nov-11	800

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).

Distributor	Original Mandatory TOU Date	New Mandatory TOU Date	Number of RPP Eligible Customers Affected
Ottawa River Power**	Oct-11	Jan-12	10,301
Port Colborne Hydro*	Dec-11	Jan-12	9,060
Renfrew Hydro**	Jun-11	Oct-11	3,748
Tillsonburg Hydro	Jun-11	Jan-12	6,643
Thunder Bay Hydro	Jun-11	Aug-11	49,014
Veridian (partial)	Jun-11	Dec-11	7,821
Wasaga Distribution	Jun-11	Nov-11	12,020
Waterloo North Hydro	Jun-11	Jan-12	2,957
Westario Power*	Sep-11	Dec-11	21,747
Welland Hydro	Sep-11	Jan-12	21,776
West Coast Huron	Aug-11	Jan-12	3,822
Wellington North Power	Jun-11	Jan-12	3,572