

Monitoring Report Smart Meter Deployment and TOU Pricing – September 2011

November 28, 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 September 1, 2011 through September 30, 2011.

- As of September 30, 2011 there were 4,713,476 installed smart meters, 3,860,532 meters enrolled with the MDM/R (111,053 added in September) and 3,292,975 customers on TOU billing (166,018 added in September).
- 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 August 31, 2011.

Distributor Summary

- As of September 30, 2011 there were 4,713,476 installed smart meters, 3,860,532 meters enrolled with the MDM/R and 3,292,975 customers on TOU billing.
- As of September 30, 2011, 39 distributors were billing some or all of their customers TOU prices.
 - Chatham-Kent Hydro, Halton Hills Hydro, Hearst Power, Milton Hydro Distribution, Midland Power, Middlesex Power Distribution, Lakeland Power Distribution, and Lakefront Utilities have completed TOU roll-out for all of their eligible RPP customers.
 - Hydro One Networks, Orillia Power Distribution Corporation and Veridian Connections Inc. have completed TOU implementation for all of their RPP-eligible customers except for certain customers who have been temporarily exempted from TOU billing by the Board due to technical issues.
 - Chapleau Public Utilities Corporation, E.L.K. Energy Inc., Enersource Hydro Mississauga, Erie-Thames Powerlines, Guelph Hydro Electric Systems, Haldimand County Hydro, Horizon Utilities, Hydro One Brampton, Hydro Ottawa, Innisfil Hydro Distribution Systems, Kitchener-Wilmot Hydro, Kingston Hydro Corporation, Newmarket-Tay Power Distribution, Niagara Peninsula Energy, Niagara-on-the-Lake Hydro, Norfolk Power Distribution, North Bay Hydro, Northern Ontario Wires Inc., Oakville Hydro Electricity Distribution Inc., Oshawa PUC Networks, Parry Sound Power, PowerStream, Sioux Lookout Hydro, Toronto Hydro Electric Systems, Waterloo North Hydro, and Woodstock Hydro have reported that they are transitioning their RPP eligible customers over to TOU pricing by billing cycle in accordance with, or in advance of, their mandatory TOU dates.
 - Five distributors (representing 62,698 customers) have not implemented TOU in accordance with their mandatory dates.
 - Atikokan Hydro, Kenora Hydro, and Fort Frances Power have not yet commenced TOU billing. These distributors (and Sioux Lookout Hydro) are working as a group with Thunder Bay Hydro (whose TOU date was September 2011) and have experienced a delay due to problems with their CIS system. This group of distributors is working with their vendors to deploy a solution that will allow them to commence TOU billing in September and complete the transition by October. Sioux Lookout Hydro started billing some of their

- A total of 31 distributors (representing 935,576 customers), including 14 with a June 2011 mandatory date, 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 12 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 9 of these requests so far. Seven requests were granted by the Board based on technical and/or operational reasons. Two applications cited concerns about bill impacts on General Service customers as a result of TOU these were denied by the Board. A list of these distributors is below.

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. We will provide further updates on the solution implementation and schedule in November following our assessment of the results of testing and any remaining defects.”
- 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	4,704,732	8,744	4,713,476	99%
Smart Meters Enrolled with MDM/R	3,749,479	111,053	3,860,532	81%
Customers on TOU Billing	3,126,957	166,018	3,292,975	69%

Distributor Progress in MDM/R Enrolment

	Previous Total	Added this Period	Current Total
LDCs in Enrolment Testing	4	-1	3
LDCs in Production (completed enrolment testing)	57	2	59

Distributors with Customers on TOU Billing

Distributor	RPP-eligible customers	Customers on TOU Billing	% of Customers on TOU Billing
Chapleau	1,274	1,252	98.27%
Chatham-Kent Power	31,772	31,772	100.00%
ELK Energy	11,163	10,634	95.26%
Enersource Hydro Mississauga	190,104	2,177	1.15%
Erie-Thames Powerlines	17,886	17,781	99.41%
Guelph Hydro	48,044	45,354	94.40%
Haldimand County Hydro	20,874	20,234	96.93%
Halton Hills Hydro	20,643	20,643	100.00%
Hearst Power	2,690	2,690	100.00%
Horizon Utilities	232,828	227,731	97.81%
Hydro One Brampton	135,184	130,183	96.30%
Hydro One Networks	1,196,055	1,055,728	88.27%
Hydro Ottawa	300,337	252,454	84.06%
Innisfil Hydro	14,697	14,303	97.32%
Kingston Electricity Distribution Ltd	26,426	18,216	68.93%
Kitchener-Wilmot Hydro	86,583	79,029	91.28%
Lakefront Utilities	9,522	9,522	100.00%
Lakeland Power	9,537	9,537	100.00%
Middlesex Power	7,902	7,902	100.00%
Midland Power	6,826	6,826	100.00%
Milton Hydro	27,971	27,971	100.00%
Newmarket-Tay Hydro	32,342	26,280	81.26%
Niagara Peninsula Energy	49,690	1	0.00%
Niagara-on-the-Lake Hydro	7,875	7,311	92.84%
Norfolk Power	18,803	17,346	92.25%
North Bay Hydro	23,465	22,458	95.71%
Northern Ontario Wires	6,057	5,776	95.36%
Oakville Hydro	62,442	56,394	90.31%
Orangeville Hydro	11,098	2,814	25.36%
Orillia Power	12,848	12,224	95.14%
Oshawa PUC	52,453	51,992	99.12%
Parry Sound Power	3,354	3,259	97.17%
Peterborough Distribution Inc.	34,948	184	0.53%
Powerstream Inc.	312,000	286,629	91.87%
Sioux Lookout Hydro	2,692	252	9.36%
Toronto Hydro	698,549	643,264	92.09%
Veridian Connections	112,224	104,761	93.35%
Waterloo North Hydro	51,823	46,376	89.49%

Woodstock Hydro	14,880	13,715	92.17%
Total	3,905,861	3,292,975	

Pending Applications for Full Extensions

Distributor	Mandatory TOU Date	Requested TOU Date	Number of RPP Eligible Customers Affected
-	-	-	-

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
Haldimand County Hydro Inc.	Sep-11	Jan-12	456
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
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
Ottawa River Power**	Oct-11	Jan-12	10,301
Port Colborne Hydro*	Dec-11	Jan-12	9,060

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
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