

Monitoring Report Smart Meter Deployment and TOU Pricing – December 2011

March 13, 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 December 1, 2011 through December 31, 2011.

- As of December 31, 2011 there were 4,742,680 installed smart meters, 4,029,374 meters enrolled with the MDM/R (15,106 added in December) and 3,639,053 customers on TOU billing (40,831 added in December).
- 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 December 31, 2011.

Distributor Summary

- As of December 31, 2011 there were 4,742,680 installed smart meters, 4,029,374 meters enrolled with the MDM/R and 3,639,053 customers on TOU billing.
- As of December 31, 2011, 52 distributors (up from 50 in November 2011) were billing some or all of their customers TOU prices. A list of these distributors is below.
- COLLUS Power and Whitby Hydro Electric Corporation did not report any customers on TOU pricing in December though both have December mandatory TOU dates. However, they each advised staff that implementation will begin in January.
- 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 they are not expected 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. Once our analysis is sufficiently completed and scheduling details are available for the remediation of the remaining issues, the SME will be in a position to put forward a revised High Level R7.2 Target Deployment Schedule. We will provide an update to LDCs by the end of January 2012 on our progress to date and target production deployment date.”
- At this time the SME believes that a March 2012 implementation date may be feasible.
- 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 December 31, 2011
Smart Meters Installed	4,735,964	16,623	4,742,680	99%
Smart Meters Enrolled with MDM/R	4,014,268	15,106	4,029,374	84%
Customers on TOU Billing	3,598,222	40,831	3,639,053	76%

Distributor Progress in MDM/R Enrolment

	Previous Total	Added this Period	Current Total
LDCs in Enrolment Testing	3	3	6
LDCs in Production (completed enrolment testing)	64	0	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	1,666	98.81%
Brant County Power Inc.	9,546	8,961	93.87%
Brantford Power Inc.	37,597	37,449	99.61%
Chapleau Public Utilities Corp.	1,274	1,272	99.84%
Chatham-Kent Hydro Inc.	31,774	31,774	100.00%
ELK Energy Inc.	10,802	10,189	94.33%
Enersource Hydro Mississauga Inc.	190,962	25,494	13.35%
Erie-Thames Powerlines Corp.	17,886	17,861	99.86%
Espanola Regional Hydro Distribution	3,288	3,235	98.39%
Essex Powerlines Corp.	27,922	27,857	99.77%
Fort Frances Power Corp.	3,732	3,732	100.00%
Guelph Hydro Electric Systems Inc.	48,044	45,571	94.85%
Haldimand County Hydro Inc.	20,911	20,504	98.05%
Halton Hills Hydro Inc.	20,643	20,643	100.00%
Hearst Power Distribution Company	2,690	2,690	100.00%
Horizon Utilities Corp.	233,149	228,735	98.11%
Hydro Hawkesbury Inc.	5,350	5,350	100.00%
Hydro One Brampton Networks Inc.	136,215	133,642	98.11%
Hydro One Networks Inc.	1,198,392	1,056,671	88.17%
Hydro Ottawa Ltd.	301,790	265,046	87.82%
Innisfil Hydro Distribution Systems	14,751	14,373	97.44%
Kenora Hydro Electric Corp.	5,508	5,508	100.00%
Kingston Hydro Corp.	26,512	24,540	92.56%
Kitchener-Wilmot Hydro Inc.	87,000	83,566	96.05%
Lakefront Utilities Inc.	9,537	9,537	100.00%
Lakeland Power Distribution Ltd.	9,497	9,574	100.81%
London Hydro Inc.	140,499	20	0.01%
Middlesex Power Distribution	7,924	7,924	100.00%
Midland Power Utility Corp.	6,833	6,833	100.00%
Milton Hydro	27,971	27,971	100.00%
Newmarket-Tay Power Distribution	32,929	29,099	88.37%
Niagara-on-the-Lake Hydro Inc.	7,919	7,627	96.31%
Niagara-Peninsula Energy Inc.	49,790	41,642	83.64%
Norfolk Power Distribution Inc.	18,838	14,441	76.66%

Distributor	RPP-eligible customers	Customers on TOU Billing	% of Customers on TOU Billing
North Bay Hydro Distribution Ltd.	23,612	21,982	93.10%
Northern Ontario Wires Inc.	6,037	5,815	96.32%
Oakville Hydro Electricity Distribution	62,719	57,697	91.99%
Orangeville Hydro Ltd.	11,106	11,105	99.99%
Orillia Power Distribution Corp.	12,885	12,814	99.45%
Oshawa PUC Networks Inc.	52,657	52,200	99.13%
Parry Sound Power Corp.	3,333	3,311	99.34%
Peterborough Distribution Inc.	35,008	184	0.53%
Powerstream Inc.	317,948	312,755	98.37%
PUC Distribution Inc.	32,622	30,568	93.70%
Sioux Lookout Hydro Inc.	2,706	2,579	95.31%
St. Thomas Energy Inc.	16,281	16,224	99.65%
Thunder Bay Hydro Electricity	49,234	45,909	93.25%
Toronto Hydro-Electric System Ltd.	702,999	647,923	92.17%
Veridian Connections Inc.	112,720	111,011	98.48%
Wasaga Distribution Inc.	12,266	11,953	97.45%
Waterloo North Hydro Inc.	52,095	49,086	94.22%
Woodstock Hydro Services Inc.	14,958	14,940	99.88%
TOTAL	4,270,347	3,639,053	-

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