

# Monitoring Report Smart Meter Deployment and TOU Pricing – February 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 February 1, 2012 through February 29, 2012.

- As of February 29, 2012 there were 4,758,558 installed smart meters, 4,248,548 meters enrolled with the MDM/R (158,477 added in February) and 3,877,121 customers on TOU billing (103,057 added in February).
- That is, as of February 29, 2012 99% of RPP eligible consumers have a smart meter installed, 88% have a smart meter that is enrolled with the MDM/R and 81% are on TOU pricing.
- 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 February 29, 2012.

## Distributor Summary

- As of February 29, 2012 there were 4,758,558 installed smart meters, 4,248,548 meters enrolled with the MDM/R and 3,877,121 customers on TOU billing.
- As of February 29, 2012, 63 distributors (up from 54 in January 2012) were billing some or all of their customers TOU prices. A list of these distributors is below. 42 distributors have completed TOU implementation and are no longer submitting monthly progress reports.
- 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 February 29, 2012
<b>Smart Meters Installed</b>	4,752,171	2,655	<b>4,758,558</b>	99%
<b>Smart Meters Enrolled with MDM/R</b>	4,086,339	158,477	<b>4,248,548</b>	88%
<b>Customers on TOU Billing</b>	3,770,332	103,057	<b>3,877,121</b>	81%

### Distributor Progress in MDM/R Enrolment

	Previous Total	Added this Period	Current Total
<b>LDCs in Enrolment Testing</b>	5	0	<b>5</b>
<b>LDCs in Production (completed enrolment testing)</b>	66	2	<b>68</b>

### 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	15,787	15,682	99.33%
Chapleau Public Utilities Corporation	1,274	1,272	99.84%
Chatham-Kent Hydro Inc.	39,705	39,705	100.00%
Cooperative Hydro Embrun Inc.	1,835	1,835	100.00%
E.L.K. Energy Inc.	10,823	10,143	93.72%
Enersource Hydro Mississauga Inc.	192,068	70,856	36.89%
Erie Thames Powerlines Corporation	17,886	17,861	99.86%
Espanola Regional Hydro Distribution Corporation	3,286	3,235	98.45%
Essex Powerlines Corporation	27,922	27,857	99.77%
Fort Frances Power Corporation	3,732	3,732	100.00%
Guelph Hydro Electric Systems Inc.	48,044	45,730	95.18%
Haldimand County Hydro Inc.	20,920	20,846	99.65%
Halton Hills Hydro Inc.	20,643	20,643	100.00%
Hearst Power Distribution Company Limited	2,690	2,690	100.00%
Horizon Utilities Corporation	233,828	229,298	98.06%
Hydro 2000 Inc.	1,197	1,197	100.00%
Hydro Hawkesbury Inc.	5,350	5,350	100.00%
Hydro One Brampton Networks Inc.	136,215	133,642	98.11%
Hydro One Networks Inc.	1,201,929	1,056,671	87.91%
Hydro Ottawa Limited	302,364	268,337	88.75%
Innisfil Hydro Distribution Systems Limited	14,781	14,415	97.52%
Kenora Hydro Electric Corporation Ltd.	5,507	5,507	100.00%
Kingston Hydro Corporation	26,521	26,365	99.41%
Kitchener-Wilmot Hydro Inc.	87,298	86,139	98.67%
Lakefront Utilities Inc.	9,556	9,556	100.00%
Lakeland Power Distribution Ltd.	9,502	9,583	100.00%

<b>Distributor</b>	<b>RPP-eligible customers</b>	<b>Customers on TOU Billing</b>	<b>% of Customers on TOU Billing</b>
London Hydro Inc.	140,499	20	0.01%
Middlesex Power Distribution Corporation	7,924	7,924	100.00%
Midland Power Utility Corporation	6,833	6,833	100.00%
Milton Hydro	27,971	27,971	100.00%
Newmarket - Tay Power Distribution Ltd.	32,962	32,288	97.96%
Niagara Peninsula Energy Inc.	49,741	42,842	86.13%
Niagara-on-the-Lake Hydro Inc.	7,939	7,653	96.40%
Norfolk Power Distribution Inc.	18,853	15,117	80.18%
North Bay Hydro Distribution Limited	23,619	21,949	92.93%
Northern Ontario Wires Inc.	5,991	5,908	98.61%
Oakville Hydro Electricity Distribution Inc.	62,807	58,730	93.51%
Orangeville Hydro Limited	11,113	11,111	99.98%
Orillia Power Distribution Corporation	12,885	12,814	99.45%
Oshawa PUC Networks Inc.	52,687	52,259	99.19%
Ottawa River Power Corporation	10,399	3,016	29.00%
PUC Distribution Inc.	32,636	31,038	95.10%
Parry Sound Power Corporation	3,333	3,315	99.46%
Peterborough Distribution Incorporated	35,038	183	0.52%
PowerStream Inc.	317,948	313,581	98.63%
Renfrew Hydro Inc.	3,872	3,872	100.00%
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.	6,683	6,321	94.58%
Toronto Hydro-Electric System Limited	702,195	650,492	92.64%
Veridian Connections Inc.	112,720	111,011	98.48%
Wasaga Distribution Inc.	12,293	11,979	97.45%
Waterloo North Hydro Inc.	52,032	50,320	96.71%
Welland Hydro-Electric System Corp.	21,786	21,146	97.06%
Wellington North Power Inc.	3,591	3,546	98.75%
West Coast Huron Energy Inc.	3,659	2,405	65.73%
Whitby Hydro Electric Corporation	40,170	39,825	99.14%

<b>Distributor</b>	<b>RPP-eligible customers</b>	<b>Customers on TOU Billing</b>	<b>% of Customers on TOU Billing</b>
Woodstock Hydro Services Inc.	15,011	14,992	99.87%
<b>TOTAL</b>	<b>4,777,206</b>	<b>3,877,121</b>	-

## Approved Applications for Extensions (full and partial)<sup>1</sup>

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) <sup>2</sup>	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

<sup>1</sup> 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).

<sup>2</sup> 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.



<b>Distributor</b>	<b>Original Mandatory TOU Date</b>	<b>New Mandatory TOU Date</b>	<b>Number of RPP Eligible Customers Affected</b>
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