

# Monitoring Report Smart Meter Deployment and TOU Pricing – November 2011

**February 8, 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 November 1, 2011 through November 30, 2011.

- As of November 30, 2011 there were 4,735,964 installed smart meters, 4,014,268 meters enrolled with the MDM/R (29,885 added in November) and 3,598,222 customers on TOU billing (140,185 added in November).
- 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 November 30, 2011.

## Distributor Summary

- As of November 30, 2011 there were 4,735,964 installed smart meters, 4,014,268 meters enrolled with the MDM/R and 3,598,222 customers on TOU billing.
- As of November 30, 2011, 50 distributors (up from 48 in October 2011) 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, as previously reported, Hydro Hawkesbury is still 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. 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 the SME reports that “Throughout the month of November the SME has been reassessing the timing for the deployment of R7.2, with the Measurement Canada 2011 Solution, to the MDM/R production environment. This reassessment has considered the status of issues needing remediation before R7.2 can be considered production ready. Although our progress has been considerable, it has not been sufficient to keep to the mid January 2012 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 August 31, 2011
<b>Smart Meters Installed</b>	4,726,057	9,907	<b>4,735,964</b>	99%
<b>Smart Meters Enrolled with MDM/R</b>	3,984,383	29,885	<b>4,014,268</b>	84%
<b>Customers on TOU Billing</b>	3,458,037	140,185	<b>3,598,222</b>	75%

### Distributor Progress in MDM/R Enrolment

	Previous Total	Added this Period	Current Total
<b>LDCs in Enrolment Testing</b>	1	2	<b>3</b>
<b>LDCs in Production (completed enrolment testing)</b>	64	0	<b>64</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	1,586	94.07%
Brant County Power Inc.	9,546	8,988	94.15%
Brantford Power Inc.	37,561	37,393	99.55%
Chapleau Public Utilities Corporation	1,274	1,272	99.84%
Chatham-Kent Hydro Inc.	31,772	31,772	100.00%
E.L.K. Energy Inc.	10,805	10,266	95.01%
Enersource Hydro Mississauga	190,687	19,819	10.39%
Erie-Thames Powerlines	17,886	17,807	99.56%
Espanola Regional Hydro Distribution	3,285	2,842	86.51%
Essex Powerlines	27,922	17,032	61.00%
Fort Frances Power	3,732	3,732	100.00%
Guelph Hydro Electric Systems	48,044	45,438	94.58%
Haldimand County Hydro	20,905	20,365	97.42%
Halton Hills Hydro	20,643	20,643	100.00%
Hearst Power Distribution Company	2,504	2,690	100.00%
Horizon Utilities	233,082	228,488	98.03%
Hydro One Brampton	135,999	131,559	96.74%
Hydro One Networks	1,197,672	1,056,671	88.23%
Hydro Ottawa	301,296	262,190	87.02%
Innisfil Hydro Distribution Systems	14,740	14,351	97.36%
Kenora Hydro Electric Corporation	5,502	5,502	100.00%
Kingston Electricity Distribution Ltd	26,494	24,522	92.56%
Kitchener-Wilmot Hydro	86,893	83,491	96.08%
Lakefront Utilities	9,535	9,535	100.00%
Lakeland Power Distribution	9,488	9,563	100.00%
Middlesex Power Distribution	7,918	7,918	100.00%
Midland Power Utility Corporation	6,833	6,833	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	7,903	7,612	96.32%
Niagara-Peninsula Energy	49,790	41,642	83.64%
Norfolk Power Distribution	18,825	14,413	76.56%
North Bay Hydro Distribution	23,476	22,484	95.77%
Northern Ontario Wires	6,037	5,797	96.02%
Oakville Hydro Electric Distribution	62,708	57,664	91.96%
Orangeville Hydro Ltd.	11,094	11,047	99.58%

<b>Distributor</b>	<b>RPP-eligible customers</b>	<b>Customers on TOU Billing</b>	<b>% of Customers on TOU Billing</b>
Orillia Power Distribution	12,876	12,793	99.36%
Oshawa PUC Networks	52,623	52,126	99.06%
Parry Sound Power Corporation	3,333	3,311	99.34%
Peterborough Distribution Inc.	34,997	184	0.53%
Powerstream Inc.	312,000	306,638	98.28%
PUC Distribution	32,554	28,269	86.84%
Sioux Lookout Hydro Inc.	2,689	2,538	94.38%
St. Thomas Energy Inc.	16,269	16,212	99.65%
Thunder Bay Hydro Electric Distribution	49,172	45,909	93.36%
Toronto Hydro-Electric System Ltd.	700,833	646,308	92.22%
Veridian Connections	112,525	109,902	97.67%
Wasaga Distribution Inc.	12,247	11,934	97.44%
Waterloo North Hydro	52,057	49,056	94.24%
Woodstock Hydro Services	14,922	14,903	99.87%
<b>TOTAL</b>	<b>4,113,244</b>	<b>3,598,222</b>	<b>-</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	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
Espanola Regional Hydro Distribution Corp. (partial)	Oct-11	Mar-12	99
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) <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**	Oct-11	Jan-12	1,187
Hydro One Networks (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 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
PUC Distribution Inc.	Oct-11	Mar-12	1,181
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