

Monitoring Report Smart Meter Deployment and TOU Pricing – March 2012

June 7, 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 March 1, 2012 through March 31, 2012.

- As of March 31, 2012 there were 4,762,459 installed smart meters, 4,354,320 meters enrolled with the MDM/R (105,772 added in March) and 3,936,672 customers on TOU billing (59,551 added in March).
- That is, as of March 31, 2012 99% of RPP eligible consumers have a smart meter installed, 91% have a smart meter that is enrolled with the MDM/R and 82% 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 March 30, 2012.

Distributor Summary

- As of March 31, 2012 there were 4,762,459 installed smart meters, 4,354,320 meters enrolled with the MDM/R and 3,936,672 customers on TOU billing.
- As of March 30, 2012, 64 distributors (up from 63 in February 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 upgrade of the MDM/R to R7.2 the following distributors have reported to the Board that they have missed 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 were delayed solely due to factors beyond their control the Board does not require them to file applications for extensions. As will be discussed below, R7.2 was deployed at the beginning of April therefore Board staff will be monitoring these distributors as they implement TOU in the coming months.
- A total of 31 distributors (representing 935,576 customers) have received an extension from the Board on their mandatory TOU date.
- A total of 13 distributors applied to the Board for partial exemptions for limited numbers of their RPP eligible customers. 11 requests were granted by the Board based on technical and/or operational reasons.
- Of the 42 distributors granted full or partial extensions by the Board, 17 have now completed the transition to TOU. 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 EnergyIP Release 7.2 was promoted to the MDM/R production environment April 13-15, 2012.
- The SME states “with the installation of R7.2 to MDM/R production complete and once the stabilization period has ended, LDCs can begin to transition to the new billing quantity interface that will deliver register readings for inclusion on customer TOU bills. The SME has asked each production LDC to provide a schedule of when they want the necessary modifications to be made in the MDM/R to enable their transition. Once this is done, it remains up to each LDC to implement its own strategy and plan for migrating their TOU customers to bills that include the register readings.”
- 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 March 31, 2012
Smart Meters Installed	4,758,558	3,901	4,762,459	99%
Smart Meters Enrolled with MDM/R	4,248,548	105,772	4,354,320	91%
Customers on TOU Billing	3,877,121	59,551	3,936,672	82%

Distributor Progress in MDM/R Enrolment

	Previous Total	Added this Period	Current Total
LDCs in Enrolment Testing	5	-3	2
LDCs in Production (completed enrolment testing)	68	2	70

Distributors with Customers on TOU Billing

	Distributor	RPP-Eligible Customers	Customers on TOU Billing	% of Customers on TOU Billing
1	Centre Wellington Hydro Ltd.	6,516	6,516	100.00%
2	E.L.K. Energy Inc.	10,826	10,194	94.16%
3	Enersource Hydro Mississauga Inc.	192,248	108,234	56.30%
4	Guelph Hydro Electric Systems Inc.	48,044	45,846	95.43%
5	Hydro One Networks Inc.	1,203,010	1,056,671	87.84%
6	Hydro Ottawa Limited	302,679	269,894	89.17%
7	Kitchener-Wilmot Hydro Inc.	87,350	87,349	100.00%
8	Lakefront Utilities Inc.	9,575	9,513	99.35%
9	London Hydro Inc.	140,499	1,861	1.32%
10	Niagara Peninsula Energy Inc.	49,819	42,739	85.79%
11	Niagara-on-the-Lake Hydro Inc.	7,948	7,662	96.40%
12	Norfolk Power Distribution Inc.	18,853	16,378	86.87%
13	North Bay Hydro Distribution Limited	23,629	21,964	92.95%
14	Oakville Hydro Electricity Distribution Inc.	62,950	59,118	93.91%
15	Ottawa River Power Corporation	10,399	8,487	81.61%
16	PUC Distribution Inc.	32,605	31,634	97.02%
17	Peterborough Distribution Incorporated	35,060	183	0.52%
18	Toronto Hydro-Electric System Limited	698,961	651,994	93.28%
19	Wasaga Distribution Inc.	12,328	12,014	97.45%

	Distributor	RPP-Eligible Customers	Customers on TOU Billing	% of Customers on TOU Billing
20	Waterloo North Hydro Inc.	52,083	51,125	98.16%
21	Welland Hydro-Electric System Corp.	21,782	21,519	98.79%
22	West Coast Huron Energy Inc.	3,683	3,278	89.00%

**Distributors who have Completed Transition to TOU Billing
& are no longer Required to Submit Monthly Reports**

	Distributor	Customers on TOU Billing
1	Atikokan Hydro Inc.	1,666
2	Brant County Power Inc.	9,104
3	Brantford Power Inc.	35,835
4	Burlington Hydro Inc.	63,932
5	COLLUS Power Corporation	15,682
6	Chapleau Public Utilities Corporation	1,272
7	Chatham-Kent Hydro Inc.	39,705
8	Cooperative Hydro Embrun Inc.	1,835
9	Erie Thames Powerlines Corporation	17,861
10	Espanola Regional Hydro Distribution Corporation	3,235
11	Essex Powerlines Corporation	27,857
12	Fort Frances Power Corporation	3,732
13	Haldimand County Hydro Inc.	20,846
14	Halton Hills Hydro Inc.	20,643
15	Hearst Power Distribution Company Limited	2,390
16	Horizon Utilities Corporation	229,298
17	Hydro 2000 Inc.	1,197
18	Hydro Hawkesbury Inc.	5,350
19	Hydro One Brampton Networks Inc.	133,642
20	Innisfil Hydro Distribution Systems Limited	14,415
21	Kenora Hydro Electric Corporation Ltd.	5,507

	Distributor	Customers on TOU Billing
22	Kingston Hydro Corporation	26,365
23	Lakeland Power Distribution Ltd.	9,583
24	Middlesex Power Distribution Corporation	7,924
25	Midland Power Utility Corporation	6,833
26	Milton Hydro	27,971
27	Newmarket - Tay Power Distribution Ltd.	32,288
28	Northern Ontario Wires Inc.	5,908
29	Orangeville Hydro Limited	11,111
30	Orillia Power Distribution Corporation	12,814
31	Oshawa PUC Networks Inc.	52,259
32	Parry Sound Power Corporation	3,315
33	PowerStream Inc.	313,581
34	Renfrew Hydro Inc.	3,872
35	Sioux Lookout Hydro Inc.	2,583
36	St. Thomas Energy Inc.	16,238
37	Thunder Bay Hydro Electricity Distribution Inc.	49,155
38	Tillsonburg Hydro Inc.	6,321
39	Veridian Connections Inc.	111,011
40	Wellington North Power Inc.	3,546
41	Whitby Hydro Electric Corporation	39,825
42	Woodstock Hydro Services Inc.	14,992

Approved Applications for Extensions (full and partial)

	Distributor	Original Mandatory TOU Date	New Mandatory TOU Date	Number of RPP Eligible Customers Affected
Transition to TOU in Progress	Algoma Power Inc.*	Jun-11	Jul-12	11,551
	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
	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
	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) ¹	Jun-11	May-12	1,750
		Jun-11	Aug-12	2,482
	Hydro One Networks Inc. (partial)	Jun-11	Est. late 2012	150,000
	Kitchener-Wilmot Hydro Inc. (partial)	Jun-11	Jan-12	6,600
	London Hydro Inc.	Jun-11	May-12	140,499
	Oakville Hydro Electricity Distribution (partial)	Jul-11	Mar-12	4,586
	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
	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	

* 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.

¹ 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
Transition to TOU Complete	Bluewater Power Distribution	Oct-11	Jan-12	35,259
	Brantford Power Inc.	Jul-11	Nov-11	37,286
	COLLUS Power Corp.	Jul-11	Dec-11	15,465
	Cooperative Hydro Embrun Inc.**	Jun-11	Jan-12	1,780
	Essex Powerlines Corp.	Jun-11	Dec-11	27,850
	Espanola Regional Hydro Distribution Corp. (partial)	Oct-11	Mar-12	99
	Haldimand County Hydro Inc. (partial)	Sep-11	Jan-12	456
	Hydro 2000 Inc.**	Oct-11	Jan-12	1,187
	Kingston Hydro Corp.	Jun-11	Oct-11	26,557
	Newmarket-Tay Power Distribution (partial)	Jun-11	Nov-11	2,584
	Orangeville Hydro Ltd.	Jun-11	Sep-11	11,031
	Orillia Power Distribution Corp. (partial)	Jun-11	Nov-11	800
	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
Wellington North Power Inc.	Jun-11	Jan-12	3,572	

** 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).