

Monitoring Report Smart Meter Deployment and TOU Pricing – July 2012

October 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 July 1, 2012 through July 31, 2012.

- As of July 31, 2012 there were 4,773,852 installed smart meters, 4,455,252 meters enrolled with the MDM/R (30,813 added in July) and 4,335,412 customers on TOU billing (77,318 added in July).
- That is, as of July 31, 2012 99% of RPP eligible consumers have a smart meter installed, 93% have a smart meter that is enrolled with the MDM/R and 90% are on TOU pricing.
- In its monthly report, the SME states that it “continues to effectively support distributor enrolment and the implementation of TOU billing under the Board’s TOU mandate.”

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 July 31, 2012.

Distributor Summary

- As of July 31, 2012 there were 4,773,852 installed smart meters, 4,455,252 meters enrolled with the MDM/R and 4,335,412 customers on TOU billing.
- As of July 31, 2012, 73 distributors (up from 71 in June 2012) were billing some or all of their customers TOU prices. A list of these distributors is below. 58 distributors (up from 54 in June 2012) have completed TOU implementation and are no longer submitting monthly progress reports.
- In a letter to Board staff, EnWin Utilities Ltd. indicated it “will not be in a position to select a replacement CIS, implement that CIS and roll-out TOU by December 1, 2012. What is not yet clear is the date by which EnWin will be in a position to roll-out TOU commodity rates to all of its ratepayers. That date is dependent upon the outcome of the CIS procurement process, which has not yet concluded. Once the replacement CIS is selected and the implementation timeline is known, EnWin intends to prepare and file an application for a further temporary exemption from Mandatory TOU with all due haste and, in any event, in advance of the expiry of its current exemption.”
- Algoma Power Inc. has submitted an application for an extension of its mandatory TOU date of June 2012 to December 2012. The Board is currently considering this application.
- A total of 31 distributors (representing 935,576 customers) have received an extension from the Board on their mandatory TOU date.
- A total of 11 distributors received partial exemptions for limited numbers of their RPP eligible customers based on technical and/or operational reasons.
- Of the 42 distributors granted full or partial extensions by the Board, 31 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, EnergyIP Release 7.2 was promoted to the MDM/R production environment April 13-15, 2012.
 - The SME states “at the end of July 48 LDCs have transitioned to the interface to enable them to receive register reads for billing to support their compliance with Measurement Canada requirements. Based on requested transition schedules submitted by the LDCs, we expect to have 58 LDCs enabled to receive register reads for billing by the end of September. Thirteen LDCs have yet to provide their transition schedules to the IESO.”
- 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 July 31, 2012
Smart Meters Installed	4,770,289	3,563	4,773,852	99%
Smart Meters Enrolled with MDM/R	4,424,439	30,813	4,455,252	93%
Customers on TOU Billing	4,258,094	77,318	4,335,412	90%

Distributor Progress in MDM/R Enrolment

	Previous Total	Added this Period	Current Total
LDCs in Enrolment Testing	0	0	0
LDCs in Production (completed enrolment testing)	71	0	71

Distributors in the Process of Transitioning Customers to TOU Billing

	Distributor	RPP- Eligible Customers	Customers on TOU Billing	% of Customers on TOU Billing
1	Bluewater Power Distribution Corporation	35,426	31,928	90%
2	Cambridge and North Dumfries Hydro Inc.	51,094	15,154	29%
3	E.L.K. Energy Inc.	10,884	10,251	94%
4	Enersource Hydro Mississauga Inc.	192,702	171,068	88%
5	Greater Sudbury Hydro Inc.	46,555	5,366	11%
6	Hydro One Networks Inc.	1,208,173	1,070,662	88%
7	Hydro Ottawa Limited	304,138	276,841	91%
8	Niagara Peninsula Energy Inc.	49,960	43,469	87%
9	Norfolk Power Distribution Inc.	18,886	17,503	92%
10	North Bay Hydro Distribution Limited	23,627	21,967	92%
11	Oakville Hydro Electricity Distribution Inc.	63,034	59,282	94%
12	Peterborough Distribution Incorporated	35,109	29,328	83%
13	Rideau St. Lawrence Distribution Inc.	5,780	5,780	100%
14	Toronto Hydro-Electric System Limited	710,092	657,474	92%
15	Wasaga Distribution Inc.	12,410	12,193	98%

**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	Canadian Niagara Power Inc.	15,295
7	Centre Wellington Hydro Ltd.	6,516
8	Chapleau Public Utilities Corporation	1,272
9	Cooperative Hydro Embrun Inc.	1,835
10	Eastern Ontario Power Inc.	3,482
11	Entegrus Powerlines Inc.	39,705
12	Erie Thames Powerlines Corporation	17,861
13	Espanola Regional Hydro Distribution Corporation	3,235
14	Essex Powerlines Corporation	27,857
15	Festival Hydro Inc.	19,148
16	Fort Frances Power Corporation	3,732
17	Grimsby Power Incorporated	9,311
18	Guelph Hydro Electric Systems Inc.	47,740
19	Haldimand County Hydro Inc.	20,846
20	Halton Hills Hydro Inc.	20,643
21	Hearst Power Distribution Company Limited	2,390
22	Horizon Utilities Corporation	229,298
23	Hydro 2000 Inc.	1,197
24	Hydro Hawkesbury Inc.	5,350
25	Hydro One Brampton Networks Inc.	133,642
26	Innisfil Hydro Distribution Systems Limited	14,415
27	Kenora Hydro Electric Corporation Ltd.	5,507
28	Kingston Hydro Corporation	26,365

	Distributor	Customers on TOU Billing
29	Kitchener-Wilmot Hydro Inc.	87,349
30	Lakefront Utilities Inc.	9,576
31	Lakeland Power Distribution Ltd.	9,583
32	London Hydro Inc.	145,894
33	Midland Power Utility Corporation	6,833
34	Milton Hydro	27,971
35	Newmarket - Tay Power Distribution Ltd.	32,288
36	Niagara-on-the-Lake Hydro Inc.	7,949
37	Northern Ontario Wires Inc.	5,908
38	Orangeville Hydro Limited	11,111
39	Orillia Power Distribution Corporation	12,814
40	Oshawa PUC Networks Inc.	52,259
41	Ottawa River Power Corporation	10,345
42	PUC Distribution Inc.	32,407
43	Parry Sound Power Corporation	3,315
44	Port Colborne Hydro Inc.	8,983
45	PowerStream Inc.	313,581
46	Renfrew Hydro Inc.	3,872
47	Sioux Lookout Hydro Inc.	2,583
48	St. Thomas Energy Inc.	16,238
49	Thunder Bay Hydro Electricity Distribution Inc.	49,155
50	Tillsonburg Hydro Inc.	6,321
51	Veridian Connections Inc.	111,011
52	Waterloo North Hydro Inc.	51,125
53	Welland Hydro-Electric System Corp.	21,620
54	Wellington North Power Inc.	3,546
55	West Coast Huron Energy Inc.	3,656
56	Westario Power Inc.	22,175
57	Whitby Hydro Electric Corporation	39,825
58	Woodstock Hydro Services Inc.	14,992

Pending Applications for Extensions (full and partial)

Distributor	Original Mandatory TOU Date	New Mandatory TOU Date	Number of RPP Eligible Customers Affected ¹
Algoma Power Inc.	Jun-12	Dec-12	11,571

Approved Applications for Extensions (full and partial)

Transition to TOU in Progress

Distributor	Original Mandatory TOU Date	New Mandatory TOU Date	Number of RPP Eligible Customers Affected ²
Algoma Power Inc.*	Jun-11	Jun-12	11,551
Bluewater Power Distribution	Oct-11	Jan-12	35,259
Cambridge and North Dumfries Hydro	Oct-11	Feb-12	50,295
EnWin Utilities Ltd.	Jun-11	Dec-12	83,727
Enersource Hydro Mississauga Inc.	Jun-11	May-12	188,787
Greater Sudbury Hydro Inc.	Jun-11	Dec-11	46,040
Hydro One Networks Inc. (partial)	Jun-11	Est. late 2012	150,000
Oakville Hydro Electricity Distribution (partial)	Jul-11	Mar-12	4,586
Wasaga Distribution Inc.	Jun-11	Nov-11	12,020
Westario Power Inc.*	Sep-11	Dec-11	21,747

¹ This column reflects the number of RPP eligible customers affected *at the time the application was submitted* to the Board. Due to customer growth/fluctuation over time, this figure may differ slightly from each LDCs *current* number of RPP eligible customers noted elsewhere in this report.

² Ibid.

* 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 this application for extension.

Approved Applications for Extensions (full and partial)

Transition to TOU Complete

Distributor	Original Mandatory TOU Date	New Mandatory TOU Date	Number of RPP Eligible Customers Affected
Brantford Power Inc.	Jul-11	Nov-11	37,286
Burlington Hydro Inc.	Jul-11	Jan-12	63,424
COLLUS Power Corp.	Jul-11	Dec-11	15,465
Cooperative Hydro Embrun Inc. **	Jun-11	Jan-12	1,780
Canadian Niagara Power Inc. *	Dec-11	Jan-12	15,517
Eastern Ontario Power Inc. *	Feb-12	Feb-12	3,494
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
Grimsby Power Inc. *	Sep-11	Dec-11	10,052
Guelph Hydro Electric Systems Inc. (partial) ³	Jun-11	May-12	1,750
	Jun-11	Aug-12	2,482
Haldimand County Hydro Inc. (partial)	Sep-11	Jan-12	456

** 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).

³ In 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
Hydro 2000 Inc.**	Oct-11	Jan-12	1,187
Kitchener-Wilmot Hydro Inc. (partial)	Jun-11	Jan-12	6,600
Kingston Hydro Corp.	Jun-11	Oct-11	26,557
London Hydro Inc.	Jun-11	May-12	140,499
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
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
Waterloo North Hydro Inc.	Jun-11	Jan-12	2,957
Welland Hydro-Electric System Corp.	Sep-11	Jan-12	21,776
Wellington North Power Inc.	Jun-11	Jan-12	3,572
West Coast Huron Energy Inc.	Aug-11	Jan-12	3,822