

Hydro One Brampton Networks Inc.

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December 14, 2012

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
PO Box 2319
2300 Yonge Street, 27th Floor
Toronto ON M4P 1E4

Dear Ms. Walli,

**Re: Hydro One Brampton Networks Inc. 2013 Smart Meter Cost Recovery Application –
Board File No. EB-2012-0440**

Enclosed is Hydro One Brampton Networks Inc.'s ("HOBNI") 2013 stand-alone Rate Application for disposition of the balances of Smart Meter Cost Variance Accounts 1555 and 1556; as well as the recovery of associated revenue requirement through Smart Meter Disposition Riders and Smart Meter Incremental Revenue Requirement Riders with an effective date of May 1, 2013.

HOBNI has submitted two hard copies of this application and a CD containing the above captioned Application in PDF format, together with electronic copies (in Excel format) of the completed Board models. The electronic copies of the document and spreadsheet files have also been filed electronically through the Board's web portal.

Please contact myself should anything further be required.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Miller". The signature is fluid and cursive, with the first name "Scott" and last name "Miller" clearly distinguishable.

Scott Miller
Director of Regulatory Affairs and Communications
Hydro One Brampton Networks Inc.
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Email: smiller@hydroonebrampton.com

cc: Remy Fernandes, President & CEO, Hydro One Brampton Networks Inc.
Aldo Mastrofrancesco, Vice President of Engineering & Operations, Hydro One
Brampton Networks Inc.
Marc Villett, Vice-President Finance, Hydro One Brampton Networks Inc.
Encl.

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HYDRO ONE BRAMPTON NETWORKS INC.
2013 SMART METER COST RECOVERY APPLICATION FOR
APPROVAL OF RATE RIDERS EFFECTIVE MAY 1, 2013

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IN THE MATTER OF the Ontario Energy Board Act, 1998,
Schedule B to the *Energy Competition Act, 1998*, S.O. 1998, c.15;

AND IN THE MATTER OF an Application by Hydro One Brampton
Networks Inc. (HOBNI) for an Order or Orders approving or fixing
just and reasonable rates with respect to Smart Meters, effective
May 1, 2013

1. APPLICATION

The Applicant is Hydro One Brampton Networks Inc. (referred to in this Application as the “Applicant” or “HOBNI”) a subsidiary of Hydro One Inc. The Applicant is a corporation incorporated pursuant to the Ontario Business Corporations Act with its head office in the City of Brampton. The Applicant carries on the business of distributing electricity within the City of Brampton as a licensed distributor operating pursuant to license ED-2003-0038.

The Applicant hereby applies to the Ontario Energy Board (referred to in this Application as the “Board” or “OEB”) pursuant to Section 78 of the [Ontario Energy Board Act, 1998](#) (the “OEB Act”) for approval of its proposed Smart Meter Rate Riders, for this Smart Meter Cost Recovery application effective May 1, 2013.

The OEB guideline [G-2011-0001](#) “Smart Meter Funding and Cost Recovery – Final Disposition Guideline” (“Guideline”) issued on December 15, 2011 sets out the Board’s filing instructions in

1 relation to the funding of and the recovery of costs associated with Smart Meter activities
2 conducted by Ontario electricity distributors. It reflects amendments to a number of smart
3 metering regulations that were enacted on June 25, 2008 as well as the direction provided by
4 the Board in its combined proceeding on Smart Meter costs (proceeding [EB-2007-0063](#)) and in
5 the previous Guideline [G-2008-0002](#): Smart Meter Funding and Cost Recovery. The Guideline
6 also provides guidance to distributors on how to apply for Smart Meter cost recovery beginning
7 with the 2012 rate year. The evidence submitted in support of HOBNI's Smart Meter application
8 complies with the filing requirements detailed in the Guideline.

9 The scope of this Application includes the prudence review and approval of the following:

- 10 • Incremental Capital Expenditures incurred for the Smart Meter program since the
11 previous disposition,
- 12 • Incremental Operating, Maintenance and Administration Expenditures ("OM&A
13 Expenditures") and Depreciation Expenses incurred for the Smart Meter program since
14 the previous disposition,
- 15 • Smart Meter Disposition Rate Riders, including the Smart Meter revenue requirement
16 from the previous disposition up to the end of April 30, 2013, and
- 17 • Smart Meter Incremental Revenue Requirement Rate Riders, including the Smart Meter
18 revenue requirement going forward from May 1, 2013 until HOBNI's next cost of service
19 rebasing

20 This Application is supported by written evidence that may be amended from time to time, prior
21 to the Board's final decision on this Application.

22 The Applicant requests that, pursuant to [Section 34.01 of the Board's Rules of Practice and](#)
23 [Procedure](#), this proceeding be conducted by way of written hearing. In the event that the Board
24 determines that it is necessary to convene an oral hearing in respect of this Application, HOBNI
25 will then advise the Board as to the members of the witness panel(s). It is anticipated that any
26 witness panel(s) will be composed of HOBNI personnel. HOBNI requests that the Board provide
27 reasons in writing for its final decision and order(s) in this proceeding. This request is made
28 pursuant to subsection 17(1) of the Statutory Powers Procedure Act.

The Applicant requests that a copy of all documents filed with the Board in this proceeding be served on the Applicant as follows:

Hydro One Brampton Networks Inc.

175 Sandalwood Parkway West

Brampton, Ontario

L7A 1E8

Attention:

Mr. Scott Miller, Director of Regulatory Affairs and Communications

Telephone: (905) 452-5504

Fax: (905) 840-0967

E-mail: smiller@hydroonebrampton.com

All of which is respectfully submitted,

Hydro One Brampton Networks Inc.

Original signed by

Mr. Scott Miller,

Director of Regulatory Affairs and Communications

2. Managers Summary

HOBNI is a licensed electricity distributor that owns and operates an electricity distribution system that provides service to the businesses and residents of the City of Brampton by distributing electricity to over 140,000 customers in the City of Brampton. HOBNI is authorized by the OEB to charge its customers' distribution rates and other charges. In this application HOBNI is applying for Smart Meter rate riders pursuant to the Smart Meter Funding and Cost Recovery – Final Disposition Guideline [G-2011-0001](#) issued by the Board on December 15, 2011, under assigned case number EB-2012-0440. HOBNI had previously completed a full cost of service rebasing application for rates effective January 1, 2011 as per the Board's decision in [\(EB-2010-0132\)](#). In that cost of service application HOBNI received Board approval for an interim Smart Meter Cost disposition as well. This Manager's Summary includes the following items:

- Approvals Requested
- Introduction
- Smart Meter Program Status
- Procurement of Smart Meters and Installation Services
- Smart Meter Costs
- Stranded Meters
- Smart Meter Disposition Riders
- Smart Meter Incremental Revenue Requirement Riders
- Rate Change Summary and Bill Impacts

The customer bill impacts are presented in Appendix B. The rate updates due to the proposed rate riders have been taken into consideration and included in the customer bill impacts. In summary, the total bill impact for a Residential customer in Brampton, with monthly electricity consumption of 800 kWh, will be an increase of \$2.14 or 1.93 % per month after HST. The bill impact for a General Service Less than 50 kW customer with monthly consumption of 2,000 kWh, will be an increase of \$2.14 or 0.79% per month after HST. The bill impact for a General Service 50 to 699 kW customer with monthly consumption of 36,500 kWh and 100 kW demand, will be an increase of \$32.96 or 0.79% per month after HST. Also, a summary of bill impacts by class is provided in Section 2.9 Table 23, and the detail bill impacts schedules are provided in Appendix E.

This application is consistent with all the relevant Board guidelines and requirements. The Board has provided direction to Ontario electricity distributors with respect to disposition of Smart Meter costs and variance account applications in the following:

- [Guideline G-2011-0001](#): Smart Meter Funding and Cost Recovery – Final Disposition Guideline, December 15, 2011,
- [Guideline G-2008-0002](#): Smart Meter Funding and Cost Recovery Guideline, October 22, 2008,
- [Filing Requirements for Electricity Transmission and Distribution Applications](#) issued on November 14, 2006 and updated on June 28, 2012, and
- The Board approved [Smart Meter Model – version 3.0](#), June 28, 2012.

2.1 Approvals Requested

HOBNI has now completed its Smart Meter program and is filing its final disposition application to seek approvals for Rate Riders, Smart Meter costs, and revenue requirements. Specifically, HOBNI requests the approval of the following:

1. **Smart Meter Disposition Rider** - A monthly fixed rate rider of \$1.39 per customer for the Residential and General Service < 50 kW Classes, and a monthly fixed rate rider of \$22.87 per customer for the General Service 50 to 699 kW Class, effective from May 1, 2013 to December 31, 2013,
2. **Smart Meter Incremental Revenue Rider** - A monthly fixed rate rider of \$ 0.71 per customer for the Residential and General Service < 50 kW Classes, and a monthly fixed rate rider of \$9.55 per customer for the General Service 50 to 699 kW Class, effective from May 1, 2013 until the effective date of HOBNI's next cost of service rate application,
3. **Smart Meter Capital Expenditures** - Capital Expenditures from 2010 to 2012 of \$7,288,183.71,
4. **Smart Meter Depreciation Expenses** - Depreciation Expenses from 2010 to 2012 of \$2,478,909, including \$1,258,223 for the 2010 Stub Year. Also, \$644,804 forecast for the full year, 2013,
5. **Smart Meter OM&A Expenditures** - OM&A Expenditures from 2010 to 2012 of \$413,682, including \$325,914 for the 2010 Stub Year. Also, \$72,065 forecast for the full year, 2013,
6. **Smart Meter Revenue Requirement** – Revenue Requirement from 2010 to 2012 of \$5,207,700 including \$3,098,675 for the 2010 Stub Year. Also, \$1,375,684¹ forecast for the full year, 2013.

¹ Composed of \$1,201,435 revenue requirement for 2013 for the Residential and General Service < 50 kW classes and \$174,249 revenue requirement for 2013 for the General Service 50 to 699 kW class. 1/3 of this amount is recovered through the Smart Meter Disposition Rider, and the balance is recovered through the Smart Meter Incremental Revenue Rider, see table 21.

2.2 Introduction

In January of 2007, HOBNI was a participant of the combined proceeding to conduct discretionary metering applications, case number (EB-2007-0063). The combined proceeding was initiated to determine prudence and recovery of costs associated with smart metering activities for thirteen² licensed distributors. The proceeding served not only to determine cost recovery, but also to provide guidance to other Ontario utilities that would be installing smart meters in the near future. In this combined proceeding, the Board found that the purchasing decisions by HOBNI were implemented with the necessary due diligence and the terms of contracts, including the pricing, were prudent.

HOBNI has been actively installing Smart Meters in the City of Brampton since 2007. HOBNI had previously filed for disposition and recovery of Smart Meter costs on two separate occasions, the first as part of its 2008 IRM rate application ([EB-2007-0882](#)), and the latter as part of its 2011 Cost of Service rate application ([EB-2010-0132](#)). This is HOBNI's third and final filing for the disposition and recovery of costs related to Smart Meter installations.

The largest Smart Meter disposition to date was approved as part of HOBNI's 2011 Cost of Service Rate Application ([EB-2010-0132](#)) where HOBNI requested that the Board approve further dispositions of its Smart Meter investments. In its 2011 rate application the Board approved the disposition of the December 31, 2009 balances of the Smart Meter Variance Accounts and a corresponding Smart Meter Disposition Rider ("SMDR") of \$0.79 per month for all metered customer classes. The rate rider, "Rate Rider for Smart Meter Variance Account Disposition - effective until December 31, 2011", was recovered over an 8 month period.

The 2011 SMDR approved by the OEB was for the recovery of the difference between:

1. The revenue requirement entitlement for the period since the first disposition, (i.e. May 1, 2007) until December 31, 2009, based on capital and OM&A expenditures, depreciation expense, Payment in Lieu of Taxes ("PILs"), and return on rate base for the same period, and

² Twelve licensed distributors were authorized by Ontario Regulation 427-6 to conduct discretionary metering activities. Subsequently Newmarket Hydro Limited was also authorized by regulation to conduct discretionary metering activities.

2. The amounts collected from all metered classes of customers through rate funding adders for the same time period.

In addition, the Board approved HOBNI's final Smart Meter Funding Adder ("SMFA") of \$1.52 per month for all metered customer classes in its 2011 cost of service rate application. The rate adder, "Smart Meter Funding Adder – effective until December 31, 2011", was used as an interim funding measure by the Board who stated that it expected HOBNI to file an application with the Board seeking final approval for the remaining Smart Meter related costs at the earliest possible opportunity following the availability of audited costs.

In addition, the Board also directed HOBNI to establish a separate rate rider, for each class including Residential, General Service < 50 kW and the General Service 50 to 699 kW, to recover stranded meter costs over a 20 month period ending December 31, 2012.

This application is consistent with the Smart Meter Guidelines, where in section 3.5 the Board requires that the majority of costs, (i.e. 90% or more) of the total project costs for which the distributor is seeking recovery will be audited. In HOBNI's case, Table 1 below shows that to date 99.90% of the total Smart Meter program costs up to December 31, 2012 have been audited. This application also contains forecast costs for 2012 and 2013 which have not been audited prior to filing this application based on actual Smart Meter Capital and OM&A costs to September 30, 2012 and forecasted OM&A costs for the balance of 2012 and all of 2013.

Table 1 Summary of Audited vs. Unaudited Smart Meter Programs Costs

Year	OM&A	Capital	Total	Cumulative	Audited	% of Cumulative Costs Audited
2006	\$ -	\$ 65,374.09	\$ 65,374.09	\$ 65,374.09	Y	100.00%
2007	\$ 12,727.57	\$ 5,176,749.06	\$ 5,189,476.63	\$ 5,254,850.72	Y	100.00%
2008	\$ 6,151.96	\$ 5,908,200.88	\$ 5,914,352.84	\$ 11,169,203.56	Y	100.00%
2009	\$ 324,465.84	\$ 8,663,013.96	\$ 8,987,479.80	\$ 20,156,683.36	Y	100.00%
2010	\$ 350,061.36	\$ 3,500,849.61	\$ 3,850,910.97	\$ 24,007,594.33	Y	100.00%
2011	\$ 30,484.60	\$ 3,793,357.39	\$ 3,823,841.99	\$ 27,831,436.32	Y	100.00%
2012	\$ 33,136.47	\$ (6,023.29)	\$ 27,113.18	\$ 27,858,549.50	N	99.90%
2013	\$ 72,064.99	\$ -	\$ 72,064.99	\$ 27,930,614.49	N	99.64%

During the course of 2012, HOBNI has completed the installing of the more complex and costly meters associated with the polyphase customers in the General Service 50 to 699 service classification with demands of less than 200 kW. HOBNI has now completed 100% of the installations of Smart Meters in its Residential, General Service Less than 50 kW, and the General Service 50 to 699 kW Service Classifications. HOBNI has fulfilled its mandate to install Smart Meters in its service territory. Although all communications associated with the Residential and General Service Less than 50 kW classes are working satisfactorily, HOBNI still has some work required associated firmware and hardware related communications issues pertaining to our polyphase Smart Meters to make them fully functional with the Automated Metering Infrastructure ("AMI"). HOBNI expects to have these Smart Meter installations configured and expects to achieve connectivity and communications for these installations in 2013.

Now that it has virtually completed all work associated with its Smart Meter program, HOBNI submits its final application to the Board for approval. Pursuant to the Board order, in HOBNI's 2011 Cost of Service rate application, HOBNI submits its final disposition filing for recovery of Smart Meter costs and incremental revenue requirement up to its next rebasing application.

The 2010 Stub Year:

In this application HOBNI will refer to the portion of the Smart Meter Capital & OM&A Expenditures, Depreciation Expenses and revenue requirements for 2010 that relates to Smart Meters installed from May 1, 2007 to December 31, 2009, as the 2010 Stub Year costs. The reason that 2010 is a Stub Year is because it is the year between HOBNI's last Smart Meter disposition year, (i.e. 2009), and its last rebasing year, (i.e. 2011). To date, for the 2010 Stub Year, HOBNI has not recovered any costs or revenues in any previous application as HOBNI did not have audited Financial Statements beyond 2009 when it filed its 2011 rate application³.

³ G-2008-0002 Smart Meter Funding and Cost Recovery Guideline Page 12 "*The Board expects that a distributor will normally file for inclusion of smart meter costs into ongoing operations and rate base when it files for a cost of service rate adjustment. When applying for recovery of smart meter costs, a distributor should ensure that all cost information has been audited, including the smart meter related deferral account balances.*"

Recoveries in Previous Application:

In its last Smart Meter disposition application, (i.e. in 2011), HOBNI requested and received approval for recovery of Smart Meter Capital and OM&A Expenditures, Depreciation Expenses and Revenue Requirement for the period from May 1, 2007 to December 31, 2009.

In addition, for its 2011 rebasing year HOBNI filed for and received approval for the following:

- The inclusion of the 2009 life to date net book value of Smart Meter Capital in its 2011 Test Year Rate Base,
- The inclusion of the portion of the 2011 Smart Meter OM&A Expenditures related to the Smart Meters installed up to December 31, 2009, in its 2011 Test Year OM&A Expenses.
- The inclusion of Smart Meter Depreciation Expenses pertaining to the 2009 life to date Smart Meter Capital Expenditures in its 2011 Test Year Depreciation Expenses.

Determination of Rate Riders Requested in this Application:

In this rate filing, the Applicant has calculated the rate riders it is seeking Board approval for as following:

A. SMDR's that will be in effect for 8 months for the customer usage period from May 1, 2013 until December 31, 2013, determined as the difference between, 1) the deferred incremental Smart Meter revenue requirement from January 1, 2010 to April 30, 2013, and 2) the SMFA's collected from customers for their usage from January 1, 2010 to December 31, 2011. This approval would extend to the Smart Meter costs and deferred revenue requirement dollar amounts determined as follows:

- i. Smart Meter revenue requirement for the 2010 Stub Year, as calculated in the 2010 Stub Year Model, based on Smart Meter Capital and OM&A Expenditures, and Depreciation Expense for the 2010 Stub Year, and
- ii. Smart Meter revenue requirement, using the Board's Smart Meter Model, for the period from January 1, 2010 to April 30, 2013, based on Smart Meter Capital Expenditures for the period January 1, 2010 to December 31, 2012,

1 and Smart Meter OM&A and Depreciation Expense for the period January 1,
2 2010 to December 31, 2012, and

3 iii. 1/3 of the 2013 revenue requirement (i.e. for January 1, 2013 to April 30,
4 2013), as determined in the Board's Smart Meter Model for the Smart Meter
5 Incremental Revenue Rider for 2013.

6 B. Smart Meter Incremental Revenue Riders ("SMIRR") to recover the Smart Meter
7 revenue requirement that will be in effect for customer usage from May 1, 2013 until
8 the implementation date of HOBNI's next cost of service rate application. This
9 approval would extend to the Smart Meter costs and revenue requirement dollar
10 amounts determined as follows:

11 i. Smart Meter incremental revenue requirement, using the Board's Smart
12 Meter Model pertaining to HOBNI's Smart Meter capital investments made
13 during the period from January 1, 2010 to December 31, 2012 and HOBNI's
14 Smart Meter forecasted OM&A Expenditures and Depreciation Expense
15 going forward from May 1, 2013 until HOBNI's next cost of service rebasing
16 rate application.

17 All rate riders are to be fixed monthly charges per metered customer for the Residential,
18 General Service < 50 kW, and General Service 50 to 699 kW service classifications. HOBNI
19 proposes that the Residential and General Service < 50 kW service classifications would share
20 the same SMDR and SMIRR riders as HOBNI was unable to reliably disaggregate Smart Meter
21 costs associated with these two classes of customers. Whereas, class specific SMDR and
22 SMIRR riders are being proposed for the General Service 50 to 699 kW service classification as
23 HOBNI was able to reliably segregate costs pertaining to Smart Meters associated with this
24 customer class.

25
26 In addition, with respect to stranded meters, HOBNI is not making any submissions for the
27 disposition of Stranded Meters at this time. HOBNI was ordered by the Board to file for final
28 disposition and true up of the Stranded Meter costs at its next cost of service rate application.

29
30 Furthermore, no amounts have been included in the actual or projected costs for charges for
31 use of the Provincial Meter Data Management and Repository ("MDM/R") as the Board has

1 undertaken, pursuant to section 19 of the of the Ontario Energy Board Act, 1998, a proceeding
2 on its own motion to review the options for and ultimately determine the appropriate allocation
3 and recovery of the Smart Metering Charge ("SMC.") The Board has given this proceeding File
4 No. [EB-2012-0211](#).

5
6 The MDM/R costs have not been included in determining revenue requirement and rates.
7 Moreover, the Board has undertaken to determine how the SMC would be recovered from
8 customers on a generic basis as all licensed and rate-regulated distributors involved in smart
9 metering will be affected by MDM/R costs. HOBNI understands that these costs could be
10 deferred for future recovery. If this is the case, HOBNI submits that Account 1556 would then be
11 used to track costs related to the Provincial MDM/R for future disposition. Therefore, HOBNI
12 does not propose to close account 1556 at this time.

2.3 Smart Meter Program Status

Residential and General Service < 50 kW Service Classification:

HOBNI installed 7,538 smart meters in 2010 and 3,426 smart meters in 2011 for the Residential and General Service < 50 kW customer classes, thus completing all smart meter installations for low volume metered customers by December 31, 2011. See Table 2 below for a complete yearly breakdown of meters installed by year and by class. Effective December 31, 2011, HOBNI ceased adding any new Smart Meter capital expenditures to account 1555 for the Residential and GS < 50 kW classes of customers.

Between 2007 and 2011 HOBNI installed 127,950 Smart Meters for the Residential class and 8,206 Smart Meters for the General Service < 50 kW class. As of December 31, 2011 HOBNI had 127,956 active Residential class customers and 8,259 General Service < 50 kW class customers, see Table 2 below. The differences between the Smart Meters installed and the number of active customers in these classes was due to a small number of Smart Meter installations being in process at the end of 2011 and not being counted as part of the Smart Meter program nor having their costs included in account 1555 as they were treated as normal metering capital with costs included in account 1860. In addition HOBNI also has 26 customer accounts in the General Service < 50 kW class who do not have Smart Meters, they have interval meters. Interval meters are outside of the scope of the Smart Meter program cost recovery, and are shown only to reconcile the number of meters to the number of customers.

General Service 50 to 699 kW Service Classification

As part of its Smart Meter initiative, HOBNI also installed Smart Meters for its General Service 50 to 699 kW Service Classification on customers with demands up to 200kW. HOBNI included these customers in its Smart Meter program for similar reasons that the Smart Meter program was justifiable for Residential and General Service < 50 kW customer classes. The smart meters for these customers in this class, and their associated costs, are part of the costs exceeding minimum functionality. These costs are part of the Smart Meter Program and they have been included in this Smart Meter Cost Recovery Application. By the end of September 30, 2012, HOBNI completed its Smart Meter program associated with this class of customers.

HOBNI installed a total of 977 Smart Meters for this class; installations by year were as follows, 16 in 2010, 904 in 2011, and 57 in 2012, see Table 2, below. At the end of October 31, 2012 HOBNI had 1,537 customers in this class. In addition HOBNI also has 560 customer accounts in the General Service 50 to 699 kW class who do not have Smart Meters, they have interval meters. Interval meters are outside of the scope of the Smart Meter program cost recovery and are shown only to reconcile the number of meters to the number of customers.

Table 2: Smart Meter Program Status

Year	Residential	GS< 50 kW	Sub-Total	Annual % Completed	GS 50-699 kW	Annual % Completed	Total	Annual % Completed
2007	37,179		37,179	27.31%		0.00%	37,179	27.11%
2008	40,154		40,154	29.49%		0.00%	40,154	29.28%
2009	44,289	3,570	47,859	35.15%		0.00%	47,859	34.90%
2010	3,221	4,317	7,538	5.54%	16	1.64%	7,554	5.51%
2011	3,107	319	3,426	2.52%	904	92.53%	4,330	3.16%
2012	-	-	-	-	57	5.83%	57	0.04%
Total Installed	127,950	8,206	136,156	100.00%	977	100.00%	137,133	100.00%
Customer Counts *	127,956	8,259	136,215		1,537		137,752	
Interval Meters	-	26	26		560		586	
Targeted Connections **	127,956	8,233	136,189		977		137,166	
% of Target Completed	100.00%	99.67%	99.98%		100.00%		99.98%	

* - Customer counts for the Residential and GS < 50 kW classes are as of December 31, 2011 and customer counts for the GS 50-699 kW are as of October 31, 2012.

** - HOBNI ceased to use Smart Meter Variance accounts 1555 and 1556 for the Residential and GS < 50 kW classes as of December 31, 2011 as the installations for these classes were basically complete. HOBNI commenced charging the capital cost of Smart Meters to account 1860 on January 1, 2012. Note, a small number of Smart Meters were in process and not shown as installed to the end of 2011, but recorded as installed in 2012.

2.4 Procurement of Smart Meters and Installation Services

In January of 2007, twelve licensed distributors authorized by Ontario Regulation 427/06 to conduct discretionary metering activities filed applications pursuant to section 78 of the Ontario Energy Board Act, 1998 for the approval of distribution rates, case number ([EB-2007-0063](#)). In addition a thirteenth licensed distributor, Newmarket Hydro Limited, was also authorized by regulation to conduct discretionary metering activities.

HOBNI was one of the thirteen licensed distributors authorized to conduct smart metering activities who filed an application as part of this combined proceeding. The other eleven distributors are Chatham-Kent Hydro Inc., Enersource Hydro Mississauga Inc., Horizon Utilities Corporation, Hydro One Networks Inc., Hydro Ottawa Limited, Middlesex Power Distribution Corporation, Milton Hydro Distribution Inc., PowerStream Inc., Tay Hydro Electric Distribution Co. Inc., Toronto Hydro-Electric System Limited, and Veridian Connections Inc.

The Board performed a prudence analysis regarding the expenditures incurred. The prudence analysis related not only to the price paid for goods and services purchased, but also to the procurement process itself. The Board conducted a combined hearing in part to allow it to examine the different technologies deployed by different utilities, as well as the different cost implications.

Hydro One Networks Inc. ("HONI") procurement process began with a request for proposal ("RFP") issued in March 2005. HONI's RFP requested proposals for the provision of Smart Meters for all or a part of HONI's Smart Meter deployment. HONI evaluated the responses to the RFP based on the following criteria: quality of the solution, capability of the proponent, qualification of the vendor personnel and pricing. HONI indicated that Ozz/Trilliant achieved the highest overall evaluation score of all suppliers.

HONI and HOBNI were authorized by Ontario Regulation 427/06 to conduct their smart meter programs as long as the Smart Meter program was conducted in accordance with the March 2005 RFP, and both HONI and HOBNI followed the March 2005 RFP process as required.

1 The Board found that the evidence provided by Hydro One Networks Inc. ("HONI") and HOBNI
2 demonstrated professionalism and that due diligence was exercised in the Smart Meter
3 purchasing decisions. Also, buying economies were maximized and HONI and HOBNI received
4 the same prices.

5
6 HOBNI's Smart Meter procurement activities for the period from 2010 to 2012 were a
7 continuation of the same procurement processes accepted by the Board in the 2007 combined
8 proceeding. HOBNI continued to work jointly with HONI following the March 2005 RFP process
9 as specified in Ontario Regulation 427/06 for its procurement activities. HONI and HOBNI
10 continued to procure all Smart Meters from Trilliant.

2.5 Smart Meter Costs

In this application, HOBNI submits evidence in support of the approval of incremental costs associated with its Smart Meter Program. The Smart Meter costs encompass the Capital and OM&A Expenditures and Depreciation Expenses for the periods as specified. The costs incurred relate to the Smart Meters installed from January 1, 2010 to December 31, 2012. HOBNI installed 10,964 Smart Meters for the Residential and General Service < 50 kW classes of customers from January 1, 2010 to December 31, 2011. For the General Service 50 to 699 kW Service Classification, HOBNI installed 977 Smart Meters on customers in this class with demands less than 200kW from January 1, 2010 to December 31, 2012. HOBNI concludes its Smart Meter Program effective December 31, 2012. HOBNI did not include any forecast for Smart Meter Capital Expenditures for 2013 as HOBNI will fund those costs as part of its normal operations. The Smart Meter OM&A costs however, were included in the 2013 forecast costs to determine the Rate Riders for Residential, General Service < 50 kW and the General Service 50 to 699 kW customer classes. The costs approved by the Board are used in the determination of revenue requirement which is the basis for the two Smart Meter Rate Riders requested by HOBNI, i.e. SMDR and SMIRR. The evidence supporting the Smart Meter costs requested for approval includes:

- Costs Beyond Minimum Functionality
- Summary of Cost Prudence Requested for Approval
- Smart Meter Capital Expenditures Requested for Approval
- Smart Meter Depreciation Requested for Approval
- Smart Meter OM&A Requested for Approval
- Annual Expenditure Analysis
- Smart Meter Capital & OM&A Expenditures per Meter Installed
- Reconciliation of Smart Meter Amounts Requested vs. Reported in 2011 Regulatory Trial Balance
- Reconciliation of Smart Meter Variance Accounts 1555 & 1556

2.5.1 Costs Beyond Minimum Functionality

Outage Management Notification Capabilities

The Smart Meter system architecture that HOBNI purchased provides for not only AMI capabilities, but also facilitates an outage management notification system. The Smart Meters installed for the Residential and General Service < 50 kW customer classes during 2010 and 2011 have outage management notification capabilities built in, which is beyond the minimum functionality required. The outage management response system will allow Hydro One Brampton Operators to identify customer outages in real time to facilitate faster response and restoration times. The incremental capital cost incurred for Smart Meters with capabilities beyond the minimum functionality requirement outlined by the Board was \$18.95 per meter or approximately \$207,768 for 10,964 Smart Meters installed in 2010 and 2011, see Table 3, below. These capital costs have been included in the determination of the SMDR and SMIRR.

Smart Meter Installations for General Service 50 to 699 kW Class

HOBNI included non-interval metered General Service 50 to 699 kW class customers with demands less than 200kW within the scope of its Smart Meter program and installed Smart Meters for these customers. HOBNI saw the replacement of legacy Conventional Meters with Smart Meters for these General Service customers as being more cost effective than using Interval Meters which require much more costly metering equipment and data lines, (which customers are responsible for). HOBNI decided to proceed with this project as it will allow for all customers to be metered via a smart meter or an interval meter thus eliminating the need for monthly manual meter reads.

HOBNI has used Interval Meters for General Service customers with demands exceeding 200 kW for some time and HOBNI determined that it would not be cost effective to replace those existing Interval Meters with Smart Meters. Since the investments in Interval Meters had been made previously for those accounts and, that the cost of replacing those meters and stranding them would be considerably more significant than the cost of stranding conventional meters, HOBNI decided only to replace non-interval, Conventional Meters.

HOBNI included this class of customers, for customers less than 200 kW, in its Smart Meter program for similar reasons that the Smart Meter program was justifiable for Residential and General Service < 50 kW customer classes as follows:

1. By replacing the conventional meters on for customers with demands > 50 kW and < 200 kW, all HOBNI customers will be metered via a smart meter or an interval meter, thus eliminating the need for monthly manual meter reads.
2. Energy Management - Now that Smart Meters have been installed for General Service 50 to 699 kW customers, hourly electricity consumption data is available to these customers and this data will enable customers to use additional tools to assist in managing their electricity bills.
3. Meter Reading Access - This class of customers would be more likely to have estimated bills due to meter reading access issues whereas Smart Meters will enable billing on actual consumption every bill. Elimination of consumption estimates will mean billing true-ups will not be required, unlike for those customers that have conventional meters. This will provide better matching of energy usage and energy dollars billed, providing a better price signal to customers for managing their electricity bills.
4. Lower Cost Meter Reading - Smart Meters for this class of customers can also eliminate more costly and time consuming manual regular and special meter readings that are required for Conventional Meters.
5. Billing Accuracy - An additional benefit of smart meters is a higher degree of accuracy, as billing errors caused by incorrect manual meter reading data are eliminated.
6. Completion of Smart Grid – A component of HOBNI's Smart Grid is the use of Smart Meters including Interval Meters, where hourly data exists for all retail customer meters, within a Distributors service territory an LDC is better equipped to identify and eliminate power diversion and other usage anomalies such as meter multiplier errors.

7. Customer Class Load Profiling Data – Additional data will assist Distributors in accurately determining load profile data by customer class which will enable accurate cost allocation studies to reduce cross subsidization and provide better rate design. The use of this data enables more options to distributors for rate design beyond what is currently being used.

Due to the substantial benefits of Smart Meters, HOBNI has included this class of customers with demands < 200 kW in its Smart Meter Program with the program costs being included as part of its application for recovery and final cost disposition. The incremental Smart Meter Capital and OM&A Expenditures sought for approval for the General Service 50 – 699 kW customer class is \$1,169,811.62 and \$5,122.30, respectively, see Table 3, below. HOBNI tracked the Capital and OM&A Expenditures, and Depreciation Expenses separately for this class to calculate the revenue requirement for determination of the SMDR and SMIRR using the OEB Smart Meter Model. HOBNI submits this Smart Meter Model in Appendix B

Table 3: Expenditures beyond Minimum Functionality

	2010	2011	2012	Total
Capital Expenditures:				
Outage Management Response Functionality	\$ 142,845.10	\$ 64,922.70	\$ -	\$ 207,767.80
General Service 50 to 699 kW Smart Meter Program	\$ 20,190.65	\$ 1,102,543.94	\$ 47,077.03	\$ 1,169,811.62
Total Capital	\$ 163,035.75	\$ 1,167,466.64	\$ 47,077.03	\$ 1,377,579.42
Operating Expenditures:				
General Service 50 to 699 kW Smart Meter Program	\$ 51.15	\$ 2,359.97	\$ 2,711.19	\$ 5,122.30
Total Costs Exceeding Minimum Functionality	\$ 163,086.90	\$ 1,169,826.61	\$ 49,788.22	\$ 1,382,701.73

2.5.2 Summary of Cost Prudency Requested for Approval

In this Application, HOBNI is seeking the approval of Capital and OM&A Expenditures, and Depreciation Expenses for Smart Meters per Table 4 below, as follows:

- i. Smart Meter Capital Expenditures of \$7,288,184 for the period January 1, 2010 to December 31, 2012.
- ii. Smart Meter OM&A Expenditures of \$413,682 for the period January 1, 2010 to December 31, 2012 composed of:
 - a. \$325,914 of OM&A Expenditures related to Smart Meters installed from May 1, 2007 to December 31, 2009 pertaining to the 2010 Stub Year,
 - b. \$87,768 of OM&A Expenditures related to Smart Meters installed from January 1, 2010 to December 31, 2012.
- iii. Forecasted Smart Meter OM&A Expenditures of \$72,065 for the period January 1, 2013 to December 31, 2013 pertaining to Smart Meters installed from January 1, 2010 to December 31, 2012.
- iv. Smart Meter Depreciation Expenses of \$2,478,909 for the period January 1, 2010 to December 31, 2012 composed of:
 - a. Smart Meter Depreciation Expenses of \$1,258,223 pertaining to the total Smart Meter Capital installed of \$18,873,338 for the period from May 1, 2007 to December 31, 2009, pertaining to the 2010 Stub Year,
 - b. Smart Meter Depreciation Expenses of \$1,220,686 pertaining to Smart Meter Capital installed for the period from January 1, 2010 to December 31, 2012 totaling \$7,288,184
- v. Forecasted Smart Meter Depreciation Expenses of \$644,804 for the period January 1, 2013 to December 31, 2013 pertaining to the Smart Meter Capital installed for the period from January 1, 2010 to December 31, 2012 totaling \$7,288,184.

Table 4: Expenditure and Depreciation Expenses Sought for Approval

Year	Total Capital Expenditures	OM&A Expenditures - Stub Year	OM&A Expenditures - Non-Stub	Total OM&A Expenditures	Depreciation Expenses - Stub Year	Depreciation Expenses - Non-Stub	Total Depreciation Expenses
2010	\$ 3,500,850	\$ 325,914	\$ 24,147	\$ 350,061	\$ 1,258,223	\$ 116,695	\$ 1,374,918
2011	\$ 3,793,357	\$ -	\$ 30,485	\$ 30,485	\$ -	\$ 449,142	\$ 449,142
2012	\$ (6,023)	\$ -	\$ 33,136	\$ 33,136	\$ -	\$ 654,849	\$ 654,849
Subtotal	\$ 7,288,184	\$ 325,914	\$ 87,768	\$ 413,682	\$ 1,258,223	\$ 1,220,686	\$ 2,478,909
2013	\$ -	\$ -	\$ 72,065	\$ 72,065	\$ -	\$ 644,804	\$ 644,804
Total	\$ 7,288,184	\$ 325,914	\$ 159,833	\$ 485,747	\$ 1,258,223	\$ 1,865,490	\$ 3,123,713

2.5.3 Smart Meter Capital Expenditures Requested for Approval

The incremental minimum functionality costs from 2010 to 2012 were \$5,910,604 for the Residential and General Service < 50 kW classes and the costs beyond minimum functionality were \$1,377,579, see Table 5, below. The costs beyond minimum functionality were for:

- Outage notification capabilities of Smart Meters for the Residential and General Service < 50 kW class customers, and
- Smart Meters for the General Service 50 to 699 kW customer class.

Table 5: Capital Expenditures by OEB Category

		2010	2011	2012	Total
		Actual	Actual	Projection	
Minimum Functionality Costs					
Smart Meters		\$ 2,328,072	\$ 377,950	\$ (239,602)	\$ 2,466,419
Installation Costs		\$ 950,849	\$ 868,552	\$ 305,750	\$ 2,125,152
Subtotal		\$ 3,278,921	\$ 1,246,502	\$ 66,147	\$ 4,591,571
Collectors		\$ 49,018	\$ 31,780	\$ 8,708	\$ 89,506
Repeaters		\$ -	\$ 4,881	\$ 19,710	\$ 24,590
Computer Software		\$ -	\$ 1,339,603	\$ (147,666)	\$ 1,191,937
AMI Capital		\$ 9,875	\$ 3,125	\$ -	\$ 13,000
Total Minimum Functionality Costs	A	\$ 3,337,814	\$ 2,625,891	\$ (53,100)	\$ 5,910,604
Cost Beyond Minimum Functionality					
Costs related to technical capabilities or related communications infrastructure		\$ 142,845	\$ 64,923	\$ -	\$ 207,768
General Service 50 to 699 kW		\$ 20,191	\$ 1,102,544	\$ 47,077	\$ 1,169,812
Total Cost Beyond Minimum Functionality	B	\$ 163,036	\$ 1,167,467	\$ 47,077	\$ 1,377,579
Total Smart Meter Costs	C= A+B	\$ 3,500,850	\$ 3,793,357	\$ (6,023)	\$ 7,288,184

The Capital Expenditures for the Residential and General Service < 50 kW classes totaled \$6,118,372 comprised of the minimum functionality costs of \$5,910,604 plus \$207,768 for costs related to additional Smart Meter technical capabilities pertaining to outage notification. In addition, the Capital Expenditures pertaining to the General Service 50 to 699 kW customer class were \$1,169,812. See Table 5 above, and Tables 7 and 8 below.

Capital Expenditure Variance Analysis Actual vs. Forecast

In HOBNI's 2011 cost of service rate application HOBNI provided a forecast of the remaining Capital Expenditures to complete its Smart Meter program. Table 6, below, summarizes the total actual costs vs. the forecast costs⁴.

Table 6: Actual vs. Forecast Capital Costs – 2010 to 2012

Capital Category	Actual	Forecast	Over (under)
Smart Meter Material	\$ 3,722,826	\$ 3,213,409	\$ 509,417
Smart Meter Labour (in-house)	\$ 1,725,368	\$ 680,502	\$ 1,044,866
Smart Meter Labour (contract)	\$ 48,382	\$ -	\$ 48,382
Meter Base Repair (in-house)	\$ 33,486	\$ 667,128	\$ (633,642)
Meter Base Repair (contract)	\$ 56,425	\$ 5,743	\$ 50,682
Smart Metering Management Labour and Truck	\$ 269,451	\$ 245,268	\$ 24,184
Smart Metering Computer Software	\$ 1,191,937	\$ 33,700	\$ 1,158,237
Smart Metering AMI Network Design	\$ 13,000	\$ 25,000	\$ (12,000)
Smart Metering Capital IT Development	\$ 227,308	\$ 808,925	\$ (581,617)
Total	\$ 7,288,184	\$ 5,679,675	\$ 1,608,508
Number of Smart Meters Installed	11,941	8,390	3,551
Capital Cost per Meter Installed	\$ 610.35	\$ 676.96	\$ (66.61)

The Smart Meter Capital Expenditures forecast for the period from January 1, 2010 to December 31, 2011 were \$5,679,675, per Table 6, above. HOBNI planned to complete its Smart Meter Program for the Residential and General Service < 50 kW customer classes by the end of 2010; however due to some communication, and connectivity issues, the program was not completely finalized for these two customers classes until December 31, 2011. HOBNI commenced billing Time of Use Rates using Smart Meter Data for these two classes of customers based on June 2011 consumption. The forecasted number of Smart Meter

⁴ Forecast values per HOBNI's 2011 cost of service rate application ([EB-2010-0132](#)) Exhibit 11 Tab 1 Schedule 1.0.

1 installations for the Residential and General Service < 50 kW classes to the end of 2010 was
2 expected to be 7,405 and the actual number of Smart Meter installations to December 31, 2010
3 were 7,538. In addition, a further 3,426 Smart Meters were installed in 2011 which were not
4 forecasted. The total actual Smart Meters installed in 2010 and 2011 for these classes was
5 10,964. The variance of 3,559 is attributable to an additional year of Smart Meter installations
6 required to service new customers during this time period associated with the extension of
7 HOBNI's Smart Meter program to the end of 2011.

8 HOBNI also planned to install 985 Smart Meters in the General Service > 50 to 699 kW
9 customer class in 2011. HOBNI actually installed a total of 977 Smart Meters for this class, 16
10 in 2010, 904 in 2011 and 57 in 2012. HOBNI expects to resolve the communication issues in
11 2013. Further AMI software and firmware upgrades are still required.

12 HOBNI forecasted an average capital cost of \$676.96 per meter for 2010 and 2011, whereas
13 the actual capital cost per meter was \$610.35. Actual capital costs were \$7,288,184 and
14 forecast capital costs were \$5,679,675 with a resulting unfavourable capital cost variance of
15 \$1,608,508. This variance is composed of a favourable unit cost variance of \$795,369
16 $[(\sim\$610.35 - \sim\$676.96) \times 11,941]$ and an unfavorable volume variance of \$2,403,877 $[(11,941 -$
17 $8,390) \times \sim\$676.96]$. The higher level of spending during the period is attributable to the higher
18 than forecasted number of Smart Meters installed in 2011 due to new customer connections.

19 In addition, the 2010 and 2011 forecast average unit capital cost per smart meter of \$676.96
20 was expected to be significantly higher than the average unit cost previously approved of
21 \$186.56⁵ for meters installed up to the end of 2009. As part of HOBNI's Smart Meter roll out the
22 lower cost single phase meters were installed first from 2006 to 2009 for the Residential and
23 General Service < 50 kW customer classes; then from 2010 to 2012 the balance of the lower
24 cost Smart Meters were installed with a larger proportion of the more expensive poly phase
25 meters installed for both the General Service < 50 kW and General Service 50 to 699 kW
26 customer classes. As expected, the actual average unit cost of \$610.35 per meter installed from
27 2010 to 2012 was higher than the average actual unit cost for Smart Meters installed to the end
28 of 2009 due to installation of the more expensive poly phase meters for the period. However,
29 the actual unit cost per Smart Meter was a little lower than forecasted.

30

⁵ Per OEB decision on HOBNI's 2011 cost of service rate application ([EB-2010-0132](#)), page 55.

2.5.4 Smart Meter Depreciation Requested for Approval

The Smart Meter Depreciation Expenses requested for approval for the period from January 1, 2010 to December 31, 2013 is \$3,123,713. See Tables 7 and 8 Below. This depreciation expense is composed of the following:

1. **2010 Stub Year Depreciation Expenses** for 2010 of \$1,258,223 related to Smart Meter Capital Expenditures for the Residential and General Service < 50 kW Classes for the period May 1, 2007 to December 31, 2009.

In its 2011 cost of service rate application HOBNI requested and received approval for recovery of Smart Meter Capital up to 2009, Smart Meter OM&A Expenditures and revenue requirement for years up to 2009. In addition, the following Smart Meter costs were approved to be included in HOBNI's 2011 rebasing year:

- Smart Meter Capital balances at December 31, 2009,
- Smart Meter Depreciation Expenses pertaining to the smart meters installed to the end of 2009, and
- Smart Meter OM&A Expenditures pertaining to the Smart Meters installed to the end of 2009.

HOBNI did not request nor receive approval to recover Smart Meter OM&A Expenditures, Depreciation Expenses, and revenue requirement for 2010 for Smart Meter investments to December 31, 2009 as HOBNI did not have audited Financial Statements for 2010 when it filed its rate application.⁶

2. **Depreciation Expenses for 2010 to 2012** of \$1,220,686 for Smart Meter Capital Expenditures incurred in the same time period, including:

⁶ G-2008-0002 Smart Meter Funding and Cost Recovery Guideline Page 12 "*The Board expects that a distributor will normally file for inclusion of smart meter costs into ongoing operations and rate base when it files for a cost of service rate adjustment. When applying for recovery of smart meter costs, a distributor should ensure that all cost information has been audited, including the smart meter related deferral account balances.*"

a) Depreciation Expense for the Residential and General Service < 50 kW classes totalling \$1,105,497

b) Depreciation Expense for the General Service 50 to 699 kW class totaling \$115,189

3. **Depreciation Expenses for 2013** of \$644,804 related to Smart Meter Capital Expenditures for 2010 to 2012, including:

a) Depreciation Expense for the Residential and General Service < 50 kW classes totalling \$566,816

b) Depreciation Expense for the General Service 50 to 699 kW class totaling \$77,987.

Table 7: Residential and General Service < 50 kW Class Costs

Year	Total Capital Expenditures	OM&A Expenditures - Stub Year	OM&A Expenditures - Non-Stub	Total OM&A Expenditures	Depreciation Expenses - Stub Year	Depreciation Expenses - Non-Stub	Total Depreciation Expenses
2010	\$ 3,480,659	\$ 325,914	\$ 24,096	\$ 350,010	\$ 1,258,223	\$ 116,022	\$ 1,374,244
2011	\$ 2,690,813	\$ -	\$ 28,125	\$ 28,125	\$ -	\$ 411,045	\$ 411,045
2012	\$ (53,100)	\$ -	\$ 30,425	\$ 30,425	\$ -	\$ 578,431	\$ 578,431
Subtotal	\$ 6,118,372	\$ 325,914	\$ 82,646	\$ 408,560	\$ 1,258,223	\$ 1,105,497	\$ 2,363,720
2013	\$ -	\$ -	\$ 66,169	\$ 66,169	\$ -	\$ 566,816	\$ 566,816
Total	\$ 6,118,372	\$ 325,914	\$ 148,815	\$ 474,729	\$ 1,258,223	\$ 1,672,314	\$ 2,930,536

Table 8: General Service 50 to 699 kW Class Costs

Year	Total Capital Expenditures	OM&A Expenditures - Stub Year	OM&A Expenditures - Non-Stub	Total OM&A Expenditures	Depreciation Expenses - Stub Year	Depreciation Expenses - Non-Stub	Total Depreciation Expenses
2010	\$ 20,191	\$ -	\$ 51	\$ 51	\$ -	\$ 673	\$ 673
2011	\$ 1,102,544	\$ -	\$ 2,360	\$ 2,360	\$ -	\$ 38,098	\$ 38,098
2012	\$ 47,077	\$ -	\$ 2,711	\$ 2,711	\$ -	\$ 76,418	\$ 76,418
Subtotal	\$ 1,169,812	\$ -	\$ 5,122	\$ 5,122	\$ -	\$ 115,189	\$ 115,189
2013	\$ -	\$ -	\$ 5,896	\$ 5,896	\$ -	\$ 77,987	\$ 77,987
Total	\$ 1,169,812	\$ -	\$ 11,019	\$ 11,019	\$ -	\$ 193,176	\$ 193,176

2.5.5 Smart Meter OM&A Requested for Approval

Table 9, below, shows the OM&A Expenditures for 2010 of \$350,061; these costs are made up of \$325,914 for the Residential and General Service < 50 kW classes, pertaining to the 2010 Stub Year, (see Table 4 above) and 2010 OM&A Expenditures of \$24,147 related to Smart Meters Installed in 2010.

Starting 2011 HOBNI included only a portion of the Smart Meter OM&A costs incurred in Account 1555, (the Smart Meter Capital Variance Account). Since HOBNI included Smart Meter capital expenditures to the end of 2009 in its 2011 rate base, it also included the portion of OM&A Expenditures that related to the number of Smart Meters installed to the end of 2009 in its rebasing year OM&A as well.

The Smart Meter OM&A costs that HOBNI included for recovery for 2011 and 2012 only included the incremental portion of OM&A relating to the meters installed since the beginning of 2010. The OM&A Expenditures were \$30,485 and \$33,136 for 2011 and 2012, respectively. The total Smart Meter OM&A Expenditures for 2011 and 2012 were prorated between OM&A charged to account 5065 (Meter Maintenance) and Smart Meter OM&A charged to account 1556 based on the number of meters expected to be installed during the respective years as a function of the total Smart Meters expected to be installed life to date to the end of the respective periods. The proration factors used for 2011 and 2012 were 6.9% and 8.1% respectively.

Table 9: OM&A Expenditures – 2010 to 2012

Expenditure Description	2010	2011	2012	Total
	Actual	Actual	Projection	
SM Operating Expenses	\$ 305,727	\$ 21,886	\$ -	\$ 327,613
SM Maintenance Expenses	\$ 23,944	\$ 914	\$ -	\$ 24,858
SM Administration Expenses	\$ 3,470	\$ 92	\$ -	\$ 3,561
SM Other Expenses	\$ 210	\$ 14	\$ -	\$ 224
SM Maintenance Labour Expenses (Contract)	\$ 126	\$ -	\$ -	\$ 126
Meter Base Repairs (In-house)	\$ -	\$ -	\$ -	\$ -
Meter Base Repairs (Contract)	\$ -	\$ -	\$ -	\$ -
Meter Base Repairs Material	\$ 16,375	\$ 216	\$ -	\$ 16,591
SM Disposal Expenses	\$ 210	\$ (14)	\$ -	\$ 196
Communication Costs Meter Reading	\$ -	\$ 1,205	\$ 3,988	\$ 5,193
Trilliant Software Update Meter Reading	\$ -	\$ 4,604	\$ 3,071	\$ 7,675
Trilliant Helpdesk Meter Reading	\$ -	\$ 1,567	\$ 1,046	\$ 2,613
HONI OPERATIONS COSTS METER RE	\$ -	\$ -	\$ 10,469	\$ 10,469
COMMUNICATION COSTS METER READ	\$ -	\$ -	\$ 14,563	\$ 14,563
Total	\$ 350,061	\$ 30,485	\$ 33,136	\$ 413,682

The Smart Meter OM&A Expenditures requested for approval for the period from January 1, 2010 to December 31, 2013 is \$485,747. See Tables 7 and 8 Above. These OM&A Expenditures are composed of the following:

1. **2010 Stub Year OM&A Expenditures** for 2010 of \$325,914 for the Residential and General Service < 50 kW Classes related to Smart Meters installed during the period May 1, 2007 to December 31, 2009.
2. **OM&A Expenditures for 2010 to 2012** of \$87,768 for Smart Meters installed for the same time period, including:
 - c) OM&A Expenditures for the Residential and General Service < 50 kW classes totalling \$82,646, and
 - d) OM&A Expenditures for the General Service 50 to 699 kW class totaling \$5,122
3. **OM&A Expenditures for 2013** of \$72,065 related to Smart Meters installed from 2010 to 2012, including:
 - c) OM&A Expenditures for the Residential and General Service < 50 kW classes totalling \$66,169

d) OM&A Expenditures for the General Service 50 to 699 kW class totaling \$5,896.

OM&A Expenditure Variance Analysis Actual vs. Forecast

In HOBNI's 2011 cost of service rate application HOBNI provided a forecast of the remaining OM&A Expenditures to complete its Smart Meter program. Table 10, below, summarizes the total actual costs vs. the forecast costs⁷.

The Smart Meter OM&A Expenditures forecast for the period from January 1, 2010 to December 31, 2011 were \$979,869, per Table 10, below. HOBNI expected to spend \$116.79 per meter during the period, but spent considerably less at \$34.64 per meter. OM&A Expenditures are lower mainly due to maintenance, administration and meter base repairs costs being lower than expected.

Table 10: Actual vs. Estimated OM&A Cost for 2010 to 2012

Expenditure Description	Actual	Forecast	Over (under)
SM Operating Expenses	\$ 327,613	\$ 236,669	\$ 90,944
SM Maintenance Expenses	\$ 24,858	\$ 333,904	\$ (309,046)
SM Administration Expenses	\$ 3,561	\$ 190,634	\$ (187,073)
SM Other Expenses	\$ 224		\$ 224
SM Maintenance Labour Expenses (Contract)	\$ 126		\$ 126
Meter Base Repairs (In-house)	\$ -	\$ 136,000	\$ (136,000)
Meter Base Repairs (Contract)	\$ -		\$ -
Meter Base Repairs Material	\$ 16,591	\$ 35,000	\$ (18,409)
SM Disposal Expenses	\$ 196		\$ 196
Communication Costs Meter Reading	\$ 5,193		\$ 5,193
Trilliant Software Update Meter Reading	\$ 7,675		\$ 7,675
Trilliant Helpdesk Meter Reading	\$ 2,613		\$ 2,613
HONI OPERATIONS COSTS METER RE	\$ 10,469		\$ 10,469
COMMUNICATION COSTS METER READ	\$ 14,563		\$ 14,563
Smart Metering Entity		\$ 47,662	\$ (47,662)
Total	\$ 413,682	\$ 979,869	\$ (566,187)
Number of Smart Meters Installed	11,941	8,390	3,551
OM&A Cost per Meter Installed	\$ 34.64	\$ 116.79	\$ (82.15)

⁷ Forecasted costs for 2010 and 2011 related to Smart Meter Capital installed in same years, found in HOBNI's 2011 cost of service rate application ([EB-2010-0132](#)) Exhibit 11, Tab1, Schedule 1.0 page 15, plus the forecasted costs for the 2010 Stub Year, Exhibit 11, Tab 1, Schedule 1.0, page 16.

2.5.6 Annual Expenditure Analysis

2010 Expenditures

Total Capital Expenditures - \$3,500,849.61 Reference Table 4

OM&A Expenditures - \$350,061.36 Reference Table 4

In 2010 HOBNI installed 7,554 Smart Meters, 3,221 for the Residential Class, 4,317 for the General Service < 50 kW Class, and 16 for the General Service 50 to 699 kW Class. Also, in 2010 HOBNI commenced installing the more complex higher cost poly-phase meters for the two general service classes of customers.

HOBNI continued ongoing configuration work to deal with Smart Meter connectivity and communications issues within the AMI system. Trees and buildings caused signal obstructions for all classes of customers. HOBNI was dealing with these obstructions by rerouting communications by installing more collectors and repeaters so data would flow from source to destination. In addition HOBNI changed out defective meters, performed system upgrades and meter firmware upgrades to rectify matters; however, the system still was not stable by the end of the year and further work was needed to resolve.

HOBNI continued its work with the MDM/R so it would be ready to implement Time of Use rates according to schedule in 2011. Also, the MDM/R underwent upgrades which required changes to HOBNI's systems.

2011 Expenditures

Total Capital Expenditures - \$3,793,357.39 Reference Table 4

Total OM&A Expenditures - \$30,484.61 Reference Table 4

In 2011 HOBNI installed 4,330 Smart Meters, 3,107 for the Residential Class, 319 for the General Service < 50 kW Class, and 904 for the General Service 50 to 699 kW Class. So pertaining to the Residential and General Service < 50 kW classes of customers, in 2011, HOBNI had completed its Smart Meter program. In addition, HOBNI installed further higher cost

polyphase meters for the two general service classes of customers, and installed the majority of these higher cost polyphase meters on the General Service 50 to 699 kW class for customers less than 200kW in 2011

HOBNI continued ongoing firmware and hardware work to help resolve various Smart Meter connectivity and communications issues within the AMI system. Most Smart Meter communications issues for the Residential and General Service < 50 kW class customers were resolved. However, some persisting problems still existed at the end of 2011 with system stability issues for some small pockets of Smart Meters. In addition, there were ongoing data retrieval issues associated with the General Service 50 to 699 kW polyphase Smart Meters. HOBNI continues to work with its vendor Trilliant to help resolve these issues. In addition, HOBNI continued working on signal obstructions issues by installing more collectors and repeaters. HOBNI also performed additional software upgrades and meter firmware upgrades to rectify these issues.

In July HOBNI commenced billing customers on Time of Use rates for June usage for the majority of low volume Smart Metered customers with the exceptions of a few small pockets of Smart Metered customers.

2012 Expenditures

Total Capital Expenditures - (\$6,023.29) Reference Table 4

Total OM&A Expenditures - \$33,136.47 Reference Table 4

In 2012 HOBNI completed the balance of its Smart Meter program and installed the remaining 57 Smart Meters for the General Service 50 to 699 kW Class for customers with demands less than 200 kW. The Capital expenditures of (\$6,023.47) is composed of a credit of (\$53,100.32) for the Residential and General Service < 50 kW classes and a debit of \$47,077 for the General Service 50 to 699 kW class. The credit of (\$53,100.32) is attributable to closing accrual adjustments to finalize program expenditures for the respective customer classes.

By October 31, 2012 HOBNI had ongoing Smart Meter communications issues associated with many of the General Service 50 to 699 kW class customers with customers with demands less

than 200 kW. HOBNI continues to work with its vendor Trilliant to resolve these issues. Trilliant plans to address these issues with its next software version release HOBNI plans to resolve the balance of communications issues in early 2013.

2.5.7 Smart Meter Capital & OM&A Life to Date Expenditures per Meter Installed

Residential and General Service < 50 kW Classes

HOBNI's cumulative unit cost per Smart Meter to the end of 2009 was \$169.86, after re-allocating computer software capital to all periods the smart meters were installed, see Table 11. In addition, the adjusted unit cost per Smart Meter in the current disposition period is \$494.26. The higher unit cost per Smart Meter in the current disposition period was attributable to the high cost of installation of polyphase meters in the General Service < 50 Class. In 2010 and 2011, of the 10,964 Smart Meters installed, 4,636 of the meters installed were for the General Service < 50 kW Class and many of the meters installed (i.e. for the General Service < 50 kW class) were high cost polyphase Smart Meters. The high cost polyphase meters caused a higher overall average.

Table 11: Comparative Unit Cost of Smart Meters - Residential and General Service < 50 kW

	Adjusted 2007 & 2011 Dispositions	2013 Disposition	LTD Disposition
Capital Expenditure	\$ 19,813,338	\$ 6,118,372	\$ 25,931,710
Computer Software Capital *	\$ 1,107,909	\$ (1,107,909)	\$ -
OM&A Expenditure	\$ 343,345	\$ 408,560	\$ 751,905
Subtotal	\$ 21,264,592	\$ 5,419,023	\$ 26,683,615
Smart Meters Installed	125,192	10,964	136,156
Capital Expenditures Per Smart Meter	\$ 167.11	\$ 456.99	\$ 190.46
OM&A Expenditures Per Smart Meter	\$ 2.74	\$ 37.26	\$ 5.52
Total Expenditures per Smart Meter	\$ 169.86	\$ 494.26	\$ 195.98

* - From 2010 to 2012 Computer Software costs of \$1,204,937.41 (including AMI cost of \$13,000) were capitalized and included in the 2013 disposition capital of \$6,118,372. Much of these costs were treated as work in process at the end of 2009, and further costs were incurred in 2010 to 2012. As the Computer Software Capital was for the benefit of all low volume customers, for comparative purposes these costs have been allocated across all disposition periods.

Table 12 below provides a comparison of the LTD actual unit cost of Smart Meters for the Residential and General Service < 50 kW classes vs. the forecasted unit cost. The variance of \$1,070,909.75 is composed of an unfavourable unit cost variance of \$383,446 [(\$195.98 - \$193.16) X 136,156] and an unfavorable volume variance of \$687,463.67 [(136,156 -132,597) X \$193.16]. The actual cost of \$195.98 per Smart Meter was \$2.82 or 1.5% higher than the forecast cost of \$193.16 mainly due to Computer Software Capital costs as impacted by the implementation matters described in the Actual Expenditure analysis for 2010 to 2012.

Table 12: Life to Date Cost per Smart Meter – Residential & General Service < 50 Classes

Description	Actual	Forecast	Over/(Under)	%
Total Capital Expenditures	\$ 25,931,710	\$ 24,393,013	\$ 1,538,697	6.3%
Total OM&A Expenditures	\$ 751,905	\$ 1,219,692	\$ (467,787)	-38.4%
Total Expenditures	\$ 26,683,616	\$ 25,612,706	\$ 1,070,910	4.2%
Number of Smart Meters Installed	136,156	132,597	3,559	2.7%
Capital Expenditures per Smart Meter	\$ 190.46	\$ 183.96	\$ 6.49	3.5%
OM&A Expenditures per Smart Meter	\$ 5.52	\$ 9.20	\$ (3.68)	-40.0%
Total Expenditures per Smart Meter	\$ 195.98	\$ 193.16	\$ 2.82	1.5%

HOBNI's average installed capital and OM&A investment per meter is slightly less than the industry sector average capital and OM&A investment as derived from the "Sector Market Meter Audit Review Report" issued by the Regulatory Audit and Accounting group of the Board on March 31, 2010. Table 13 below compares HOBNI's average cost per meter with the sector.

Table 13: Comparison of average cost per Smart Meter with Industry Sector

Description	HOBNI	OEB Report - March 31, 2010
Capital Expenditures	\$ 25,931,710	\$ 567,409,211
OM&A Expenditures	\$ 751,905	\$ 44,963,335
Total Investment	\$ 26,683,616	\$ 612,372,546
Total Smart Meters Installed	136,156	3,053,931
Average Cost per Meter	\$ 195.98	\$ 200.52

Note: Data and average cost information for Residential and General Service < 50 kW classes

General Service 50 to 699 kW

This class of customers required the costly polyphase Smart Meter installations. The unit cost per Smart Meter is \$1,202.59, see Table 14. In HOBNI's 2011 Smart Meter disposition application with its cost of service rate application, HOBNI forecast a cost per meter of \$1,221.85⁸. The cost per meter was \$19.26 or 1.6% lower than forecasted.

Table 14: Unit Price of Smart Meters for General Service 50 to 699 kW class

	Actual	Forecast	Over (under)
Capital Expenditure	\$ 1,169,812	\$ 1,100,000	\$ 69,812
OM&A Expenditure	\$ 5,122	\$ 103,522	\$ (98,400)
Subtotal	\$ 1,174,934	\$ 1,203,522	\$ (28,588)
Smart Meters Installed	977	985	(8)
Capital Expenditures Per Smart Meter	\$ 1,197.35	\$ 1,116.75	\$ 80.60
OM&A Expenditures Per Smart Meter	\$ 5.24	\$ 105.10	\$ (99.86)
Total Expenditures per Smart Meter	\$ 1,202.59	\$ 1,221.85	\$ (19.26)

2.5.8 Reconciliation of Smart Meter Amounts Requested vs. Reported in 2011 Regulatory Trial Balance

HOBNI provides the following reconciliation of the amounts submitted in this application as at December 31, 2011 as compared to the amounts submitted in its last annual RRR filing to the Board. In HOBNI's April 2012 RRR filing of its 2011 Regulatory Trial Balance HOBNI submitted the balances of accounts 1555 and 1556 to be \$4,506,972.13 and \$631,845.84, respectively. In this application, the balances of accounts 1555 and 1556 at December 31, 2011 are presented as \$3,551,819.70 and \$2,239,101.07, respectively, see Table 15 below:

⁸ Per HOBNI's 2011 cost of service rate application ([EB-2010-0132](#), the capital expenditure forecast per Exhibit 11, Tab 1, Schedule 1.0, Page 14 of 23, second table (Incremental Cost for Smart Meters Installed 2010 and 2011) 2011 total of \$1,100,000.00 relates to the General Service 50 to 699 kW class. OM&A expenditure forecast per Exhibit 11, Tab1, Schedule 1.0, Page 15 of 23, class, 2011 total OM&A of \$103,521.97 (also relating to the General Service 50 to 699 kW class).

Table 15: Reconciliations of 2011 Submission vs. 2011 Trial Balance RRR Reported

Smart Meter Capital and Recovery Variance Account 1555				
Description	2011 Balance Per Regulatory Trial Balance	2011 Balance As Filed with 2013 Disposition	Adjustment	Table
Smart Meter Funding Adders	\$ (3,903,574.90)	\$ (3,681,949.29)	\$ 221,625.61	A
Capital Additions	\$ 7,224,635.45	\$ 7,294,207.00	\$ 69,571.55	B
Accumulated Depreciation	\$ (563,518.03)	\$ (1,824,059.62)	\$ (1,260,541.59)	B
Carrying Charges	\$ 58,915.79	\$ 40,774.78	\$ (18,141.01)	
Stranded Meter Costs	\$ 2,527,580.22	\$ 2,527,580.22	\$ -	
Recovery of Stranded Meters	\$ (837,066.40)	\$ (837,066.40)	\$ -	
Carrying Charges	\$ -	\$ 32,333.01	\$ 32,333.01	
Total	\$ 4,506,972.13	\$ 3,551,819.70	\$ (955,152.43)	
Smart Meter OM&A Variance Account 1556				
Description	2011 Balance Per Regulatory Trial Balance	2011 Balance As Filed with 2013 Disposition	Adjustment	Table
OM&A Expenses	\$ 54,631.93	\$ 380,545.96	\$ 325,914.03	C
Depreciation Expense	\$ 563,518.03	\$ 1,824,059.62	\$ 1,260,541.59	B
Carrying Charges	\$ 13,695.88	\$ 34,495.49	\$ 20,799.61	
Total	\$ 631,845.84	\$ 2,239,101.07	\$ 1,607,255.23	

As part of HOBNI's work preparing this rate application HOBNI conducted a review of the Smart Meter Variance Accounts being requested for disposition and determined that amendments were required. The amendments affect the current fiscal period and previously reported periods as well. The amendments however, do not relate to RRR data that was accepted and relied upon by the Board in a previous Board proceeding.

HOBNI has adjusted the balances of its Smart Meter Variance accounts retroactively from January 1, 2010 to September 30, 2012 with respect to the following:

- 1) SMFA Adjustment,
- 2) Smart Meter Capital Adjustment,
- 3) Depreciation of Smart Meter Capital Adjustment,
- 4) 2010 Stub Year Adjustments, and
- 5) Carrying Charges

1) SMFA Adjustment:

Table 15A below shows the original SMFA collections by month and the revised amounts. The adjustments were made to reflect the amounts and timing of the billings to customers. The cumulative SMFA collected from January 1, 2010 to date has been restated. The original SMFA recorded of \$3,771,965.06 has been amended to \$3,790,255.29, for a total adjustment of \$18,290.23, see Table 15A below. The original Smart Meter Funding adder amount included in account 1555 at the end of 2011 was \$3,903,574.90 and the adjusted amount is \$3,681,949.29 for a reduction of \$221,625.61. The timing and amounts reflect the amounts collected from customers in the months collected. Also, the SMFA adjustments allow carrying charges to be calculated based on more representative cash flow timing.

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Table 15A: Smart Meter Funding Adder Adjustment – Account 1555

Month	Original Smart Meter Rider Collected 1555	Revised Smart Meter Rider Collected 1555	Difference	Cumulative Adjustment
Jan-10	\$ (65,102.81)	\$ (67,693.29)	\$ (2,590.48)	\$ (2,590.48)
Feb-10	\$ (124,500.47)	\$ (130,964.00)	\$ (6,463.53)	\$ (9,054.01)
Mar-10	\$ (158,063.19)	\$ (131,268.00)	\$ 26,795.19	\$ 17,741.18
Apr-10	\$ (104,602.31)	\$ (131,843.00)	\$ (27,240.69)	\$ (9,499.51)
May-10	\$ (131,559.79)	\$ (131,504.00)	\$ 55.79	\$ (9,443.72)
Jun-10	\$ (147,374.07)	\$ (132,034.00)	\$ 15,340.07	\$ 5,896.35
Jul-10	\$ (131,762.10)	\$ (131,845.00)	\$ (82.90)	\$ 5,813.45
Aug-10	\$ (132,029.61)	\$ (132,232.00)	\$ (202.39)	\$ 5,611.06
Sep-10	\$ (132,599.37)	\$ (132,660.00)	\$ (60.63)	\$ 5,550.43
Oct-10	\$ (123,441.61)	\$ (133,096.00)	\$ (9,654.39)	\$ (4,103.96)
Nov-10	\$ (142,651.70)	\$ (133,405.00)	\$ 9,246.70	\$ 5,142.74
Dec-10	\$ (183,079.26)	\$ (133,698.00)	\$ 49,381.26	\$ 54,524.00
Jan-11	\$ (124,528.44)	\$ (134,246.00)	\$ (9,717.56)	\$ 44,806.44
Feb-11	\$ (134,734.07)	\$ (134,336.00)	\$ 398.07	\$ 45,204.51
Mar-11	\$ (141,328.74)	\$ (134,620.00)	\$ 6,708.74	\$ 51,913.25
Apr-11	\$ (131,450.92)	\$ (134,815.00)	\$ (3,364.08)	\$ 48,549.17
May-11	\$ (240,071.69)	\$ (169,657.00)	\$ 70,414.69	\$ 118,963.86
Jun-11	\$ (388,866.60)	\$ (206,294.00)	\$ 182,572.60	\$ 301,536.46
Jul-11	\$ (330,915.65)	\$ (206,234.00)	\$ 124,681.65	\$ 426,218.11
Aug-11	\$ (340,351.77)	\$ (206,709.00)	\$ 133,642.77	\$ 559,860.88
Sep-11	\$ (276,559.67)	\$ (207,421.00)	\$ 69,138.67	\$ 628,999.55
Oct-11	\$ (353,719.71)	\$ (207,863.00)	\$ 145,856.71	\$ 774,856.26
Nov-11	\$ (314,176.54)	\$ (208,546.00)	\$ 105,630.54	\$ 880,486.80
Dec-11	\$ 449,895.19	\$ (208,966.00)	\$ (658,861.19)	\$ 221,625.61
Jan-12	\$ (26,961.41)	\$ (108,231.00)	\$ (81,269.59)	\$ 140,356.02
Feb-12	\$ (47,613.43)	\$ (66.00)	\$ 47,547.43	\$ 187,903.45
Mar-12	\$ 206,022.03	\$ 12.00	\$ (206,010.03)	\$ (18,106.58)
Apr-12	\$ 10.15	\$ (19.00)	\$ (29.15)	\$ (18,135.73)
May-12	\$ (28.00)	\$ (2.00)	\$ 26.00	\$ (18,109.73)
Jun-12	\$ 180.50	\$ 10.00	\$ (170.50)	\$ (18,280.23)
Jul-12	\$ -	\$ (10.00)	\$ (10.00)	\$ (18,290.23)
Aug-12	\$ -	\$ -	\$ -	\$ (18,290.23)
Sep-12	\$ -	\$ -	\$ -	\$ (18,290.23)
Oct-12	\$ -	\$ -	\$ -	\$ (18,290.23)
Nov-12	\$ -	\$ -	\$ -	\$ (18,290.23)
Dec-12	\$ -	\$ -	\$ -	\$ (18,290.23)
Total	\$ (3,771,965.06)	\$ (3,790,255.29)	\$ (18,290.23)	

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2) Smart Meter Capital Adjustment:

The August 2011 Smart Meter Capital Expenditures were increased by \$69,571.55 adjusting for a duplicate entry made pertaining to the Board's decision on HOBNI's interim 2011 Smart Meter disposition. This adjustment impacts Depreciation for 2011 and 2012 as well, see Table 15B and 3) below for this adjustment.

3) Depreciation of Smart Meter Capital Adjustment:

The Depreciation Expense Adjustment relating to the Capital Expenditure adjustment in 2) above affects accounts 1555 and 1556, per Table 15B below, as follows:

- a. Account 1556 was adjusted for \$2,319.05 pertaining to the Depreciation on the Smart Meter Capital adjustment in 2), above, and
- b. Account 1555 was adjusted for (\$2,319.05), for the corresponding amount of Accumulated Depreciation.

4) 2010 Stub Year Adjustments:

2010 Stub Year adjustments were made to accounts 1555 and 1556 for Depreciation Expenses and OM&A Expenditures, per Tables 15B & 15C below, as follows:

- a. Account 1556 was adjusted for \$1,258,222.53 pertaining to the 2010 Stub Year Depreciation,
- b. Account 1555 was adjusted for (\$1,258,222.53), for the corresponding amount of Accumulated Depreciation, for the 2010 Stub Year, and
- c. Account 1556 was adjusted for \$325,914.03 for 2010 Stub Year OM&A Expenditures.

5) Carrying Charges:

Carrying charges for account 1555 (for components other than stranded meters) were updated to the end of 2011 by (\$18,141.01) (see Table 15 above) and the carrying charges pertaining to stranded meters were also adjusted by \$32,333.01. Originally HOBNI was not applying carrying charges to the stranded meter sub account at all. In addition, the carrying charges for account 1556 were adjusted by \$20,799.61, due to the amendments to the principal components of the account (see Table 15 above).

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Table 15B: Depreciation Expense Adjustment – Accounts 1555 & 1556

Date	Capital Adjustment *	Accumulated Capital **	Monthly Depreciation	Totals
Asset Life			15	
Dec-09		\$ 18,873,337.99	\$ -	
Jan-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
Feb-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
Mar-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
Apr-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
May-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
Jun-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
Jul-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
Aug-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
Sep-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
Oct-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
Nov-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	
Dec-10	\$ -	\$ 18,873,337.99	\$ (104,851.88)	\$ (1,258,222.53)
Jan-11	\$ (18,873,337.99)	\$ -	\$ -	
Feb-11	\$ -	\$ -	\$ -	
Mar-11	\$ -	\$ -	\$ -	
Apr-11	\$ -	\$ -	\$ -	
May-11	\$ -	\$ -	\$ -	
Jun-11	\$ -	\$ -	\$ -	
Jul-11	\$ -	\$ -	\$ -	
Aug-11	\$ 69,571.55	\$ 69,571.55	\$ (2,319.05)	
Sep-11	\$ -	\$ 69,571.55	\$ -	
Oct-11	\$ -	\$ 69,571.55	\$ -	
Nov-11	\$ -	\$ 69,571.55	\$ -	
Dec-11	\$ -	\$ 69,571.55	\$ -	\$ (2,319.05)
Total	\$ -	\$ 69,571.55	\$ (1,260,541.58)	\$ (1,260,541.58)

* - Amendment to August 2011 Capital Additions which were understated

** - Stub Year Depreciation Expense on Smart Meter Additions (from May 2007 to December 31, 2009) for 2010 only. In 2011 Smart Metering capital was transferred to rate base.

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Table 15C: Smart Meter OM&A Adjustment – Account 1556

Month	Original Smart Meter OM&A Expenses	Adjusted Smart Meter OM&A Expenses	Difference	Cumulative Adjustment
Jan-10	\$ 19,458.15	\$ 19,458.15	\$ -	\$ -
Feb-10	\$ 21,315.32	\$ 21,315.32	\$ -	\$ -
Mar-10	\$ 23,875.03	\$ 23,875.03	\$ -	\$ -
Apr-10	\$ 52,904.61	\$ 52,904.61	\$ -	\$ -
May-10	\$ 22,666.10	\$ 22,666.10	\$ -	\$ -
Jun-10	\$ 45,396.59	\$ 45,396.59	\$ -	\$ -
Jul-10	\$ 36,431.17	\$ 36,431.17	\$ -	\$ -
Aug-10	\$ 13,001.68	\$ 13,001.68	\$ -	\$ -
Sep-10	\$ 22,011.74	\$ 22,011.74	\$ -	\$ -
Oct-10	\$ 23,962.05	\$ 23,962.05	\$ -	\$ -
Nov-10	\$ 22,728.93	\$ 22,728.93	\$ -	\$ -
Dec-10	\$ 46,309.99	\$ 46,309.99	\$ -	\$ -
Jan-11	\$ 46,223.09	\$ 3,188.48	\$ (43,034.61)	\$ (43,034.61)
Feb-11	\$ 29,382.72	\$ 2,026.83	\$ (27,355.89)	\$ (70,390.50)
Mar-11	\$ 29,290.06	\$ 2,020.44	\$ (27,269.62)	\$ (97,660.12)
Apr-11	\$ 25,606.55	\$ 1,766.35	\$ (23,840.20)	\$ (121,500.33)
May-11	\$ 23,737.84	\$ 1,637.44	\$ (22,100.40)	\$ (143,600.73)
Jun-11	\$ 26,125.44	\$ 1,802.14	\$ (24,323.30)	\$ (167,924.03)
Jul-11	\$ 29,160.60	\$ 2,011.51	\$ (27,149.09)	\$ (195,073.12)
Aug-11	\$ 27,504.29	\$ 1,897.25	\$ (25,607.04)	\$ (220,680.16)
Sep-11	\$ 27,699.09	\$ 1,910.69	\$ (25,788.40)	\$ (246,468.56)
Oct-11	\$ 116,491.96	\$ 8,035.65	\$ (108,456.31)	\$ (354,924.87)
Nov-11	\$ 28,187.69	\$ 1,944.39	\$ (26,243.30)	\$ (381,168.16)
Dec-11	\$ (704,838.76)	\$ 2,243.44	\$ 707,082.20	\$ 325,914.03
Jan-12	3,368.42	3,368.42	\$ -	\$ 325,914.03
Feb-12	3,293.68	3,293.68	\$ -	\$ 325,914.03
Mar-12	1,921.53	1,921.53	\$ -	\$ 325,914.03
Apr-12	2,833.56	2,833.56	\$ -	\$ 325,914.03
May-12	2,833.56	2,833.56	\$ -	\$ 325,914.03
Jun-12	2,593.59	2,593.59	\$ -	\$ 325,914.03
Jul-12	3,418.45	3,418.45	\$ -	\$ 325,914.03
Aug-12	1,914.62	1,914.62	\$ -	\$ 325,914.03
Sep-12	2,674.94	2,674.94	\$ -	\$ 325,914.03
Oct-12	2,761.37	2,761.37	\$ -	\$ 325,914.03
Nov-12	2,761.37	2,761.37	\$ -	\$ 325,914.03
Dec-12	2,761.37	2,761.37	\$ -	\$ 325,914.03
Total	\$ 87,768.40	\$ 413,682.43	\$ 325,914.03	

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2.5.9 Reconciliation of Smart Meter Variance Accounts 1555 & 1556

The balance of account 1555 is expected to be \$1,506,776.54 by the end of December 31, 2012, per Table 16 below. HOBNI requests that the Board approve \$1,081,599.42 for disposition. HOBNI does not request the approval and disposition of the Stranded Meter related costs and recoveries of \$425,177.12 at this time as it will file for final disposition of Stranded Meters in its next cost of service rate application.

Table 16: Account 1555 – Smart Meter Capital Variance Account

Description	LTD 2009	2010	2011	2012	Total Balance
Smart Meters:					
Smart Meter Rate Adders Collected		\$ (1,522,242.29)	\$ (2,159,707.00)	\$ (108,306.00)	\$ (3,790,255.29)
Capital Expenditures - In Service		\$ 3,500,849.61	\$ 3,793,357.39	\$ (6,023.29)	\$ 7,288,183.71
Capital Expenditures - Work in Process	\$ 808,925.46	\$ 80,527.95	\$ (889,453.41)	\$ -	\$ (0.00)
Accumulated Depreciation		\$ (1,374,917.52)	\$ (449,142.10)	\$ (654,849.06)	\$ (2,478,908.68)
Carrying Charges	\$ 7,217.73	\$ 7,917.11	\$ 25,639.95	\$ 21,804.90	\$ 62,579.68
Sub-Total	\$ 816,143.19	\$ 692,134.86	\$ 320,694.83	\$ (747,373.45)	\$ 1,081,599.42
Stranded Meters:					
Stranded Meter Costs	\$ 2,340,640.97	\$ 86,052.91	\$ 100,886.34	\$ 41,485.90	\$ 2,569,066.12
Stranded Meter Rate Adder Recoveries	\$ -	\$ -	\$ (837,066.40)	\$ (1,355,193.06)	\$ (2,192,259.46)
Carrying Charges	\$ -	\$ -	\$ 32,333.01	\$ 16,037.45	\$ 48,370.46
Sub-Total	\$ 2,340,640.97	\$ 86,052.91	\$ (703,847.05)	\$ (1,297,669.71)	\$ 425,177.12
Total	\$ 3,156,784.16	\$ 778,187.77	\$ (383,152.22)	\$ (2,045,043.17)	\$ 1,506,776.54

The balance of account 1556 is expected to be \$2,964,302.88 by the end of December 31, 2012, per Table 17 below.

Table 17: Account 1556 – Smart Meter Capital Variance Account

Description	2010	2011	2012	Total Balance
Smart Meters:				
Smart Meter OM&A Expenses	\$ 350,061.36	\$ 30,484.60	\$ 33,136.47	\$ 413,682.43
Depreciation Expense	\$ 1,374,917.52	\$ 449,142.10	\$ 654,849.06	\$ 2,478,908.68
Carrying Charges	\$ 6,884.93	\$ 27,610.57	\$ 37,216.28	\$ 71,711.77
Total	\$ 1,731,863.81	\$ 507,237.27	\$ 725,201.81	\$ 2,964,302.88

2.6 Stranded Meters

HOBNI is not seeking disposition of Stranded Meter costs in this rate application. In HOBNI's 2011 Cost of Service application the Board ordered that HOBNI estimate the cost of stranded meters to December 31, 2011, track the Stranded Meter costs in "Sub-account Stranded Meter Costs" of Account 1555, and remove the stranded meter costs from rate base. Also, the Board approved Stranded Meter Rate Riders in the 2011 Cost of Service rate application for the recovery of Stranded Meters and the associated recoveries from these rate riders were recorded in this sub-account to reduce the balance in the sub-account. Given the fact that HOBNI had not completed 100% of its Smart Meter deployment at the time of the 2011 application, the Board required that the approved 2011 estimate for the stranded meter costs be trued-up to actual stranded meter costs after the installation of all Smart Meters is completed. The true-up would be made through an adjusting entry based on the final balance of stranded meters (net of recoveries) to be submitted for review in HOBNI's next cost of service application. Therefore no submissions pertaining to stranded meters are being made at this time.

2.7 Smart Meter Disposition Riders

HOBNI is seeking approval for two SMDRs effective May 1, 2013 and revenue requirements, (see Table 18 below), for the period January 1, 2010 to April 30, 2013, based on the approved Smart Meter Capital and OM&A Expenditures, and Depreciation Expenses.

Table 18: SMDR & Revenue Requirement Requests for Approval

Customer Class	Revenue Requirement	SMFA Collected	Carrying Charges	True Up	Forecast Customers	Disposition Period - Months	Rate Rider
Residential & General Service < 50 kW	\$ 5,346,474	\$(3,747,958)	\$(29,457)	\$1,569,059	141,107	8	\$ 1.39
General Service 50 to 699 kW	\$ 319,788	\$(42,297)	\$ 749	\$ 278,239	1,521	8	\$ 22.87
Total	\$ 5,666,262	\$(3,790,255)	\$(28,708)	\$1,847,298			

HOBNI requests that two SMDRs be established for recovery over eight months commencing May 1, 2013 until December 31, 2013, as follows:

- 1) \$1.39 Monthly Fixed Service Charge for the Residential and General Service < 50 kW Classes, and
- 2) \$22.87 Monthly Fixed Service Charge for the General Service 50 to 699 kW class.

HOBNI requests the approval of revenue requirements totaling \$5,666,262 associated with its Smart Meter Program for the period from January 1, 2010 to April 30, 2013. Table 19 summarizes the Revenue Requirement for each of the three revenue requirement groupings for the customer classes, i.e. 1) The 2010 Stub year, 2) 2010 to 2012 excluding Stub Year, and 3) the first 4 months of 2013.

Table 19: Revenue Requirement by Class Summary

Customer Class	Jan 1/10 to Dec 31/10 Stub Year *	Jan 1/10 to Dec 31/12	Jan 1/13 to Apr 30/13	Total
Residential & General Service < 50 kW	\$ 3,098,675	\$ 1,847,320	\$ 400,478	\$ 5,346,474
General Service 50 to 699 kW		\$ 261,705	\$ 58,083	\$ 319,788
Total	\$ 3,098,675	\$ 2,109,025	\$ 458,561	\$ 5,666,262
<p>* - The revenue requirement for the 2010 Stub Year pertains to the Smart Meter Capital Expenditures from May 1, 2007 to December 31, 2009, the 2010 Depreciation Expense on those Capital Expenditures, and the OM&A Expenditures in 2010 pertaining to the Smart Meters installed from May 1, 2007 to December 31, 2009</p>				

HOBNI has used three Smart Meter Models to determine the revenue requirement, funding adders and associated carrying charges to determine the SMDRs presented in Table 19, above. The three models HOBNI submits in this rate application are as follows:

1) OEB Smart Meter Model – Residential & General Service < 50 kW (Appendix A)

HOBNI completed this model such that a common rate rider could be established for these two classes of customers. HOBNI was unable to break out cost data between the Residential and General Service < 50 kW class customers reliably enough to be able to allocate reasonably between classes. However, HOBNI was able to run this combined class model separately from the General Service 50 to 699 class model since HOBNI was able to break out cost data in sufficient enough detail to do so,

2) OEB Smart Meter Model – General Service 50 – 699 kW (Appendix B)

HOBNI completed this model for this class of General Service customers as HOBNI had the cost data in sufficient enough detail needed to complete this model to determine the revenue requirement specific to this customer class. HOBNI chose to run a model for this class separately from the low volume customer classes model as this approach provides more reliable rate riders than using the allocation methodology in the OEB Smart Meter Model, and

3) HOBNI Stub Year Model (Appendix C)– Given the nature of data required for the 2010 Stub Year, the OEB Smart Meter Model was unable to accommodate the calculations for

the Stub Year so HOBNI used its own Smart Meter Model to calculate the revenue requirement needed so that the 2010 Stub Year could be included in the SMDR calculations.

HOBNI provides Table 20 below which provides the calculation of the True-up for the SMDR for the Residential and General Service < 50 kW classes and for the General Service 50 to 699 kW class. Table 20 also provides model mappings of revenue requirements, funding adders, and carrying charges amounts used in the SMDR calculations.

Table 20: Smart Meter Model Mapping

	HOBNI Model	OEB Model	HOBNI Model	Total	OEB Model	HOBNI Model	Total GS>50	Total
	Stub Year	Incremental	Incremental	Residential & GS<50	Incremental	Incremental		
	Residential & GS<50	Residential & GS<50	Residential & GS<50		GS>50	GS>50		
Revenue Requirement:								
2010 Rate Year Entitlement (2009 Capital)	3,098,675			3,098,675			-	3,098,675
2010 Rate Year Entitlement		290,482		290,482	1,595		1,595	292,077
2011 Rate Year Entitlement		625,102		625,102	88,219		88,219	713,321
2012 Rate Year Entitlement		931,737		931,737	171,890		171,890	1,103,627
2013 Rate Year Entitlement (January to April) *		400,478		400,478	58,083		58,083	458,561
Total Revenue Entitlement	3,098,675	2,247,799	-	5,346,474	319,788	-	319,788	5,666,262
Smart Rate Rider Billed:								
Amount collected in 2010		(1,504,402)		(1,504,402)	(17,840)		(17,840)	(1,522,242)
Amount collected in 2011		(2,135,546)		(2,135,546)	(24,161)		(24,161)	(2,159,707)
Amount collected in 2012		(108,010)		(108,010)	(296)		(296)	(108,306)
Total Collected	-	(3,747,958)	-	(3,747,958)	(42,297)	-	(42,297)	(3,790,255)
Carrying Charges From January 2010 to December 2010	6,890	(5,785)		1,105	(74)		(74)	1,031
Carrying Charges From January 2011 to December 2011	23,287	(30,571)		(7,284)	(129)		(129)	(7,412)
Carrying Charges From January 2012 to December 2012	23,287	(42,172)		(18,885)	518		518	(18,368)
Carrying Charges From January 2013 to April 2013	7,762		(12,155)	(4,393)		434	434	(3,959)
Total Carrying Charges	61,226	(78,528)	(12,155)	(29,457)	315	434	749	(28,708)
Smart Meter Costs for Recovery	3,159,901	(1,578,687)	(12,155)	1,569,059	277,806	434	278,239	1,847,298
Forecasted Number of Customers				141,107			1,521	
Number of Months				8			8	
Rate Rider				1.39			22.87	

* - The January to April 2013 Revenue Requirement amounts were determined as 1/3 of the 2013 total Revenue Requirements calculated by the OEB Smart Meter Models.

2.8 Smart Meter Incremental Revenue Requirement Riders

Hydro One Brampton is also seeking Smart Meter Incremental Revenue Requirement rate riders to recover the prospective annualized incremental revenue requirement. The proposed SMIRR rate riders would be in place from May 1, 2013 until HOBNI's next cost of service rebasing rate application when the Smart Meter Capital is added to rate base, and Smart Meter OM&A Expenditures and Depreciation Expense are added to the test year costs for revenue requirement determination. Consistent with previous Smart Meter riders of the past, HOBNI is proposing to recover the SMIRR based on a monthly service charge from each customer in the class.

The calculations for the revenue requirement used to determine the SMIRR rate riders are derived from the OEB Smart Meter Models:

- 1) OEB Smart Meter Model Res & GS < 50 - \$1,201,435
- 2) OEB Smart Meter Model GS 50 to 699 kW - \$174,250

HOBNI submits for approval, Table 21 below as the calculation to determine the SMIRR rate rider.

Table 21: Calculation of Smart Meter Incremental Rate Rider

Customer Class	Forecasted Customers	True-up Amount	Monthly Charge
Residential & GS<50kW	141,107	\$ 1,201,435	\$ 0.71
GS>50kW	1,521	\$ 174,250	\$ 9.55
Total	142,628	\$ 1,375,684	

2.9 Rate Change Summary and Bill Impacts

Currently HOBNI has no Smart Meter rate adders or rate riders being charged to customers. HOBNI is proposing the following rate riders in this Application in Table 22. All charges shown are monthly fixed charges.

Table 22: Summary of Smart Meter Rate Riders Requested

Customer Class	SMDR Rate Rider	SMIRR Rate Rider	Total Rate Riders
Residential & General Service < 50 kW	\$ 1.39	\$ 0.71	\$ 2.10
General Service 50 to 699 kW	\$ 22.87	\$ 9.55	\$ 32.41

HOBNI provides the following summary Bill Impacts in Table 23 and the supporting detailed bill impact analysis calculations in Appendix D of this Application. The following bill impacts would commence upon implementation of Rate Riders proposed to be implemented on May 1, 2013. HOBNI has used its existing approved Tariff of Rates and Charges for impact analysis purposes and the current Time of Use and Two Tier Rates effective on November 1, 2012.

The affect on the customers' bills caused by the SMDR and SMIRR Rate Riders are as follows:

- The Typical Residential Class customer with an average monthly consumption of 800 kWh per month would experience an increase of \$2.10 per month on the Distribution and Delivery Charges, or an increase of 9.86% for Distribution and 6.55% on Delivery. The total bill impact is \$2.14 or 1.93%
- The Typical General Service < 50 kW Class customer with an average monthly consumption of 2000 kWh per month would experience an increase of \$2.10 per month on the Distribution and Delivery Charges, or an increase of 4.29% for Distribution and 2.89% on Delivery. The total bill impact is \$2.14 or 0.79%

- The Typical General Service 50 to 699 kW Class customer with an average monthly consumption of 36,500 kWh and 100 kW peak monthly demand would experience an increase of \$32.41 per month on the Distribution and Delivery Charges, or an increase of 9.2% for Distribution and 4.07% on Delivery. The total bill impact is \$32.96 or 0.79%.

Table 23: Summary of Bill Impacts

Rate Class	Variable Metric	kWh Quantity	kW Quantity	Distribution \$ Change	Distribution % Change	Delivery \$ Change	Delivery % Change	Total Bill \$ Change	Total Bill % Change
Residential	kWh	250		\$ 2.10	15.64%	\$ 2.10	12.51%	\$ 2.14	5.13%
Residential	kWh	800		\$ 2.10	9.86%	\$ 2.10	6.55%	\$ 2.14	1.93%
Residential	kWh	1,500		\$ 2.10	6.71%	\$ 2.10	4.08%	\$ 2.14	1.08%
General Service Less Than 50 kW	kWh	2,000		\$ 2.10	4.29%	\$ 2.10	2.89%	\$ 2.14	0.79%
General Service Less Than 50 kW	kWh	5,000		\$ 2.10	2.19%	\$ 2.10	1.36%	\$ 2.14	0.33%
General Service Less Than 50 kW	kWh	10,000		\$ 2.10	1.21%	\$ 2.10	0.72%	\$ 2.14	0.17%
General Service 50 to 699 kW	kW	36,500	100	\$ 32.41	9.20%	\$ 32.41	4.07%	\$ 32.96	0.79%
General Service 50 to 699 kW	kW	91,250	250	\$ 32.41	4.52%	\$ 32.41	1.77%	\$ 32.96	0.32%
General Service 50 to 699 kW	kW	182,500	500	\$ 32.41	2.44%	\$ 32.41	0.91%	\$ 32.96	0.16%

2.10 Conclusion

HOBNI respectfully submits that it has prudently incurred the costs necessary to fulfill its obligations under the provincially mandated Smart Meter initiative in accordance with Board guidelines and otherwise subject to evidence provided with respect to expenditures exceeding minimum functionality. HOBNI submits that the proposed riders are just and reasonable and the associated customer bill impacts are not significant; and it is appropriate that the Board approve these proposed riders at this time, for implementation effective May 1, 2013.

**APPENDIX A - OEB SMART METER MODEL – RESIDENTIAL
AND GENERAL SERVICE <50 KW CLASSES**



Smart Meter Model for Electricity Distributors (2013 Filers)

Version 3.00

Utility Name	Hydro One Brampton Networks Inc.
Assigned EB Number	
Name and Title	Scott Miller - Director of Regulatory Affairs & Communications
Phone Number	905-452-5504
Email Address	smiller@hydroonebrampton.com
Date	1-May-13
Last COS Re-based Year	2011

Note: Drop-down lists are shaded blue; Input cells are shaded green.

This Workbook Model is protected by copyright and is being made available to you solely for the purpose of filing your application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing the application or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.

While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results. The use of any models and spreadsheets does not automatically imply Board approval. The onus is on the distributor to prepare, document and support its application. Board-issued Excel models and spreadsheets are offered to assist parties in providing the necessary information so as to facilitate an expeditious review of an application. The onus remains on the applicant to ensure the accuracy of the data and the results.



Smart Meter Model for Electricity Distributors (2013 Filers)

Distributors must enter all incremental costs related to their smart meter program and all revenues recovered to date in the applicable tabs except for those costs (and associated revenues) for which the Board has approved on a final basis, i.e. capital costs have been included in rate base and OM&A costs in revenue requirement.

For 2012, distributors that have completed their deployments by the end of 2011 are not expected to enter any capital costs. However, for OM&A, regardless of whether a distributor has deployments in 2012, distributors should enter the forecasted OM&A for 2012 for all smart meters in service.

		2006	2007	2008	2009	2010	2011	2012	2013	Total
Smart Meter Capital Cost and Operational Expense Data		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
Smart Meter Installation Plan										
Actual/Planned number of Smart Meters installed during the Calendar Year										
Residential						3,221	3,107			6328
General Service < 50 kW						4,317	319			4636
Actual/Planned number of Smart Meters installed (Residential and GS < 50 kW only)		0	0	0	0	7538	3426	0	0	10964
Percentage of Residential and GS < 50 kW Smart Meter Installations Completed		0.00%	0.00%	0.00%	0.00%	68.75%	100.00%	0.00%	100.00%	100.00%
Actual/Planned number of GS > 50 kW meters installed										0
Other (please identify)										0
Total Number of Smart Meters installed or planned to be installed		0	0	0	0	7538	3426	0	0	10964
1 Capital Costs										
1.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)										
		Asset Type								
		Asset type must be selected to enable calculations								
1.1.1 Smart Meters (may include new meters and modules, etc.)	Smart Meter	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	\$ 2,466,419
1.1.2 Installation Costs (may include socket kits, labour, vehicle, benefits, etc.)	Smart Meter					950,849	868,552	305,750		\$ 2,125,152
1.1.3a Workforce Automation Hardware (may include fieldwork handhelds, barcode hardware, etc.)										\$ -
1.1.3b Workforce Automation Software (may include fieldwork handhelds, barcode hardware, etc.)										\$ -
Total Advanced Metering Communications Devices (AMCD)		\$ -	\$ -	\$ -	\$ -	\$ 3,278,921	\$ 1,246,502	\$ 66,147	\$ -	\$ 4,591,571
1.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)										
		Asset Type								
1.2.1 Collectors	Smart Meter	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	\$ 89,506
1.2.2 Repeaters (may include radio licence, etc.)	Smart Meter					0	4,881	19,710		\$ 24,590
1.2.3 Installation (may include meter seals and rings, collector computer hardware, etc.)										\$ -
Total Advanced Metering Regional Collector (AMRC) (Includes LAN)		\$ -	\$ -	\$ -	\$ -	\$ 49,018	\$ 36,660	\$ 28,418	\$ -	\$ 114,096

1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)

1.3.1 Computer Hardware

1.3.2 Computer Software

1.3.3 Computer Software Licences & Installation (includes hardware and software)
(may include AS/400 disk space, backup and recovery computer, UPS, etc.)

Total Advanced Metering Control Computer (AMCC)

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
										\$ -
Computer Software					0	1,339,603	-147,666			\$ 1,191,937
										\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,339,603	-\$ 147,666	\$ -		\$ 1,191,937

1.4 WIDE AREA NETWORK (WAN)

1.4.1 Activation Fees

Total Wide Area Network (WAN)

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
										\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

1.5 OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY

1.5.1 Customer Equipment (including repair of damaged equipment)

1.5.2 AMI Interface to CIS

1.5.3 Professional Fees

1.5.4 Integration

1.5.5 Program Management

1.5.6 Other AMI Capital

Total Other AMI Capital Costs Related to Minimum Functionality

Total Capital Costs Related to Minimum Functionality

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
										\$ -
										\$ -
										\$ -
										\$ -
										\$ -
Smart Meter					9,875	3,125				\$ 13,000
	\$ -	\$ -	\$ -	\$ -	\$ 9,875	\$ 3,125	\$ -	\$ -		\$ 13,000
	\$ -	\$ -	\$ -	\$ -	\$ 3,337,814	\$ 2,625,891	-\$ 53,100	\$ -		\$ 5,910,604

1.6 CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY

(Please provide a descriptive title and identify nature of beyond minimum functionality costs)

1.6.1 Costs related to technical capabilities in the smart meters or related communications infrastructure that exceed those specified in O.Reg 425/06

1.6.2 Costs for deployment of smart meters to customers other than residential and small general service

1.6.3 Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDM/R, etc.

Total Capital Costs Beyond Minimum Functionality

Total Smart Meter Capital Costs

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
Smart Meter					142,845	64,923				\$ 207,768
Smart Meter										\$ -
										\$ -
	\$ -	\$ -	\$ -	\$ -	\$ 142,845	\$ 64,923	\$ -	\$ -		\$ 207,768
	\$ -	\$ -	\$ -	\$ -	\$ 3,480,659	\$ 2,690,813	-\$ 53,100	\$ -		\$ 6,118,372

2 OM&A Expenses

2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

2.1.1 Maintenance *(may include meter reverification costs, etc.)*

2.1.2 Other *(please specify)*

Total Incremental AMCD OM&A Costs

2.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)

2.2.1 Maintenance

2.2.2 Other *(please specify)*

Total Incremental AMRC OM&A Costs

2.3 ADVANCED METERING CONTROL COMPUTER (AMCC)

2.3.1 Hardware Maintenance *(may include server support, etc.)*

2.3.2 Software Maintenance *(may include maintenance support, etc.)*

2.3.2 Other *(please specify)*

Total Incremental AMCC OM&A Costs

2.4 WIDE AREA NETWORK (WAN)

2.4.1 WAN Maintenance

2.4.2 Other *(please specify)*

Total Incremental AMRC OM&A Costs

2.5 OTHER AMI OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY

2.5.1 Business Process Redesign

2.5.2 Customer Communication *(may include project communication, etc.)*

2.5.3 Program Management

2.5.4 Change Management *(may include training, etc.)*

2.5.5 Administration Costs

2.5.6 Other AMI Expenses
(please specify)

Total Other AMI OM&A Costs Related to Minimum Functionality

TOTAL OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY

2.6 OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY
(Please provide a descriptive title and identify nature of beyond minimum functionality costs)

2.6.1 Costs related to technical capabilities in the smart meters or related communications infrastructure that exceed those specified in O.Reg 425/06

2.6.2 Costs for deployment of smart meters to customers other than residential and small general service

2.6.3 Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDM/R, etc.

Total OM&A Costs Beyond Minimum Functionality

Total Smart Meter OM&A Costs

Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
				24,096	28,125	30,425	66,169	\$ 148,815
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 28,125	\$ 30,425	\$ 66,169	\$ 148,815
								\$ -
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 28,125	\$ 30,425	\$ 66,169	\$ 148,815
Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual			
								\$ -
								\$ -
								\$ -
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 28,125	\$ 30,425	\$ 66,169	\$ 148,815
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 28,125	\$ 30,425	\$ 66,169	\$ 148,815

3 Aggregate Smart Meter Costs by Category

3.1	Capital																		
3.1.1	Smart Meter	\$	-	\$	-	\$	-	\$	-	\$	3,480,659	\$	1,351,210	\$	94,565	\$	-	\$	4,926,435
3.1.2	Computer Hardware	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3.1.3	Computer Software	\$	-	\$	-	\$	-	\$	-	\$	-	\$	1,339,603	-\$	147,666	\$	-	\$	1,191,937
3.1.4	Tools & Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3.1.5	Other Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3.1.6	Applications Software	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3.1.7	Total Capital Costs	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>3,480,659</u>	<u>\$</u>	<u>2,690,813</u>	<u>-\$</u>	<u>53,100</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>6,118,372</u>
3.2	OM&A Costs																		
3.2.1	Total OM&A Costs	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>24,096</u>	<u>\$</u>	<u>28,125</u>	<u>\$</u>	<u>30,425</u>	<u>\$</u>	<u>66,169</u>	<u>\$</u>	<u>148,815</u>



Smart Meter Model for Electricity Distributors (2013 Filers)

	2006	2007	2008	2009	2010	2011	2012	2013
Cost of Capital								
Capital Structure¹								
Deemed Short-term Debt Capitalization						4.0%	4.0%	4.0%
Deemed Long-term Debt Capitalization		0.0%	60.0%	60.0%	60.0%	56.0%	56.0%	56.0%
Deemed Equity Capitalization	100.0%	100.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%
Preferred Shares								
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Cost of Capital Parameters								
Deemed Short-term Debt Rate					0.00%	2.43%	2.43%	2.43%
Long-term Debt Rate (actual/embedded/deemed) ²		0.00%			6.95%	6.62%	6.62%	6.62%
Target Return on Equity (ROE)		0.00%			9.00%	9.66%	9.66%	9.66%
Return on Preferred Shares								
WACC	0.00%	0.00%	0.00%	0.00%	7.77%	7.67%	7.67%	7.67%
Working Capital Allowance								
Working Capital Allowance Rate					15.0%	15.0%	15.0%	15.0%
(% of the sum of Cost of Power + controllable expenses)								
Taxes/PILs								
Aggregate Corporate Income Tax Rate	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.50%	26.50%
Capital Tax (until July 1st, 2010)	0.30%	0.225%	0.225%	0.225%	0.075%	0.00%	0.00%	0.00%

Depreciation Rates

(expressed as expected useful life in years)

Smart Meters - years				15	15	15	15	15
- rate (%)	0.00%	0.00%	0.00%	6.67%	6.67%	6.67%	6.67%	6.67%
Computer Hardware - years					5	5	5	5
- rate (%)	0.00%	0.00%	0.00%	0.00%	20.00%	20.00%	20.00%	20.00%
Computer Software - years					5	5	5	5
- rate (%)	0.00%	0.00%	0.00%	0.00%	20.00%	20.00%	20.00%	20.00%
Tools & Equipment - years					15	15	15	15
- rate (%)	0.00%	0.00%	0.00%	0.00%	6.67%	6.67%	6.67%	6.67%
Other Equipment - years					15	15	15	15
- rate (%)	0.00%	0.00%	0.00%	0.00%	6.67%	6.67%	6.67%	6.67%

CCA Rates

Smart Meters - CCA Class					47	47	47	47
Smart Meters - CCA Rate					8%	8%	8%	8%
Computer Equipment - CCA Class					12	12	12	12
Computer Equipment - CCA Rate					100%	100%	100%	100%
General Equipment - CCA Class								
General Equipment - CCA Rate								
Applications Software - CCA Class					12	12	12	12
Applications Software - CCA Rate					100%	100%	100%	100%

Assumptions

- ¹ Planned smart meter installations occur evenly throughout the year.
- ² Fiscal calendar year (January 1 to December 31) used.
- ³ Amortization is done on a striaght line basis and has the "half-year" rule applied.

Net Fixed Assets - Computer Software (including Applications Software)

Gross Book Value								
Opening Balance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,339,603	\$ 1,191,937
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,339,603	-\$ 147,666	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,339,603	\$ 1,191,937	\$ 1,191,937
Accumulated Depreciation								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 133,960	-\$ 387,114
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 133,960	-\$ 253,154	-\$ 238,387
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 133,960	-\$ 387,114	-\$ 625,502
Net Book Value								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,205,643	\$ 804,823
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,205,643	\$ 804,823	\$ 566,436
Average Net Book Value	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 602,821	\$ 1,005,233	\$ 685,629

Net Fixed Assets - Tools and Equipment

Gross Book Value								
Opening Balance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Accumulated Depreciation								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Book Value								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Average Net Book Value	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Net Fixed Assets - Other Equipment

Gross Book Value								
Opening Balance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Accumulated Depreciation								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Book Value								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Average Net Book Value	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Smart Meter Model for Electricity Distributors (2013 Filers)

	2006	2007	2008	2009	2010	2011	2012	2013
Average Net Fixed Asset Values (from Sheet 4)								
Smart Meters	\$ -	\$ -	\$ -	\$ -	\$ 1,682,318	\$ 3,901,700	\$ 4,323,407	\$ 4,043,837
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 602,821	\$ 1,005,233	\$ 685,629
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ 1,682,318	\$ 4,504,521	\$ 5,328,640	\$ 4,729,466
Working Capital								
Operating Expenses (from Sheet 2)	\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 28,125	\$ 30,425	\$ 66,169
Working Capital Factor (from Sheet 3)	0%	0%	0%	0%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ -	\$ -	\$ -	\$ 3,614	\$ 4,219	\$ 4,564	\$ 9,925
Incremental Smart Meter Rate Base	\$ -	\$ -	\$ -	\$ -	\$ 1,685,933	\$ 4,508,740	\$ 5,333,204	\$ 4,739,392
Return on Rate Base								
Capital Structure								
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,350	\$ 213,328	\$ 189,576
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 1,011,560	\$ 2,524,894	\$ 2,986,594	\$ 2,654,059
Equity	\$ -	\$ -	\$ -	\$ -	\$ 674,373	\$ 1,803,496	\$ 2,133,282	\$ 1,895,757
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capitalization	\$ -	\$ -	\$ -	\$ -	\$ 1,685,933	\$ 4,508,740	\$ 5,333,204	\$ 4,739,392
Return on								
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,382	\$ 5,184	\$ 4,607
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 70,303	\$ 167,148	\$ 197,713	\$ 175,699
Equity	\$ -	\$ -	\$ -	\$ -	\$ 60,694	\$ 174,218	\$ 206,075	\$ 183,130
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Return on Capital	\$ -	\$ -	\$ -	\$ -	\$ 130,997	\$ 345,748	\$ 408,971	\$ 363,436
Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 28,125	\$ 30,425	\$ 66,169
Amortization Expenses (from Sheet 4)								
Smart Meters	\$ -	\$ -	\$ -	\$ -	\$ 116,022	\$ 277,084	\$ 325,277	\$ 328,429
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 133,960	\$ 253,154	\$ 238,387
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Amortization Expense in Year	\$ -	\$ -	\$ -	\$ -	\$ 116,022	\$ 411,045	\$ 578,431	\$ 566,816
Incremental Revenue Requirement before Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 271,115	\$ 784,917	\$ 1,017,828	\$ 996,421
Calculation of Taxable Income								
Incremental Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 28,125	\$ 30,425	\$ 66,169
Amortization Expense	\$ -	\$ -	\$ -	\$ -	\$ 116,022	\$ 411,045	\$ 578,431	\$ 566,816
Interest Expense	\$ -	\$ -	\$ -	\$ -	\$ 70,303	\$ 171,531	\$ 202,896	\$ 180,305
Net Income for Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 60,694	\$ 174,218	\$ 206,075	\$ 183,130
Grossed-up Taxes/PILs (from Sheet 7)	\$ -	\$ -	\$ -	\$ -	\$ 19,366.45	-\$ 159,815.19	-\$ 86,091.01	\$ 205,013.91
Revenue Requirement, including Grossed-up Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 290,482	\$ 625,102	\$ 931,737	\$ 1,201,435



Smart Meter Model for Electricity Distributors (2013 Filers)

For PILs Calculation

UCC - Smart Meters

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 Forecast	2013 Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,341,432.60	\$ 4,371,279.88	\$ 4,112,360.29
Capital Additions	\$ -	\$ -	\$ -	\$ -	\$ 3,480,658.96	\$ 1,351,210.30	\$ 94,565.42	\$ -
Retirements/Removals (if applicable)								
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ 3,480,658.96	\$ 4,692,642.90	\$ 4,465,845.30	\$ 4,112,360.29
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ 1,740,329.48	\$ 675,605.15	\$ 47,282.71	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ 1,740,329.48	\$ 4,017,037.75	\$ 4,418,562.59	\$ 4,112,360.29
CCA Rate Class	0	0	0	0	47	47	47	47
CCA Rate	0%	0%	0%	0%	8%	8%	8%	8%
CCA	\$ -	\$ -	\$ -	\$ -	\$ 139,226.36	\$ 321,363.02	\$ 353,485.01	\$ 328,988.82
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ 3,341,432.60	\$ 4,371,279.88	\$ 4,112,360.29	\$ 3,783,371.47

UCC - Computer Equipment

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 Forecast	2013 Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 669,801.58	-\$ 147,665.74
Capital Additions Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,339,603.15	-\$ 147,665.74	\$ -
Retirements/Removals (if applicable)								
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,339,603.15	\$ 522,135.84	-\$ 147,665.74
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 669,801.58	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 669,801.58	\$ 669,801.58	-\$ 147,665.74
CCA Rate Class	0	0	0	0	12	12	12	12
CCA Rate	0%	0%	0%	0%	100%	100%	100%	100%
CCA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 669,801.58	\$ 669,801.58	-\$ 147,665.74
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 669,801.58	\$ -	\$ -

UCC - General Equipment

	2006	2007	2008	2009	2010	2011	2012	2013
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA Rate Class	0	0	0	0	0	0	0	0
CCA Rate	0%	0%	0%	0%	0%	0%	0%	0%
CCA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

UCC - Applications Software

	2006	2007	2008	2009	2010	2011	2012	2013
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA Rate Class	0	0	0	0	12	12	12	12
CCA Rate	0%	0%	0%	0%	100%	100%	100%	100%
CCA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Smart Meter Model for Electricity Distributors (2013 Filers)

PILs Calculation

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 Forecast	2013 Forecast
INCOME TAX								
Net Income	\$ -	\$ -	\$ -	\$ -	\$ 60,693.59	\$ 174,217.72	\$ 206,075.00	\$ 183,130.10
Amortization	\$ -	\$ -	\$ -	\$ -	\$ 116,021.97	\$ 411,044.59	\$ 578,430.85	\$ 566,816.46
CCA - Smart Meters	\$ -	\$ -	\$ -	\$ -	\$ 139,226.36	\$ 321,363.02	\$ 353,485.01	\$ 328,988.82
CCA - Computers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 669,801.58	\$ 669,801.58	\$ 147,665.74
CCA - Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Change in taxable income	\$ -	\$ -	\$ -	\$ -	\$ 37,489.19	\$ 405,902.29	\$ 238,780.72	\$ 568,623.47
Tax Rate (from Sheet 3)	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.50%	26.50%
Income Taxes Payable	\$ -	\$ -	\$ -	\$ -	\$ 11,621.65	\$ 114,667.40	\$ 63,276.89	\$ 150,685.22
ONTARIO CAPITAL TAX								
Smart Meters	\$ -	\$ -	\$ -	\$ -	\$ 3,364,636.99	\$ 4,438,763.02	\$ 4,208,051.64	\$ 3,879,622.66
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software (Including Application Software)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,205,642.84	\$ 804,823.04	\$ 566,435.56
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Base	\$ -	\$ -	\$ -	\$ -	\$ 3,364,636.99	\$ 5,644,405.85	\$ 5,012,874.68	\$ 4,446,058.22
Less: Exemption								
Deemed Taxable Capital	\$ -	\$ -	\$ -	\$ -	\$ 3,364,636.99	\$ 5,644,405.85	\$ 5,012,874.68	\$ 4,446,058.22
Ontario Capital Tax Rate (from Sheet 3)	0.300%	0.225%	0.225%	0.225%	0.075%	0.000%	0.000%	0.000%
Net Amount (Taxable Capital x Rate)	\$ -	\$ -	\$ -	\$ -	\$ 2,523.48	\$ -	\$ -	\$ -
Change in Income Taxes Payable	\$ -	\$ -	\$ -	\$ -	\$ 11,621.65	\$ 114,667.40	\$ 63,276.89	\$ 150,685.22
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ 2,523.48	\$ -	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ -	\$ 14,145.13	\$ 114,667.40	\$ 63,276.89	\$ 150,685.22
Gross Up PILs								
Tax Rate	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.50%	26.50%
Change in Income Taxes Payable	\$ -	\$ -	\$ -	\$ -	\$ 16,842.97	\$ 159,815.19	\$ 86,091.01	\$ 205,013.91
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ 2,523.48	\$ -	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ -	\$ 19,366.45	\$ 159,815.19	\$ 86,091.01	\$ 205,013.91



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the funding adder revenues.

Account 1555 - Sub-account Funding Adder Revenues

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
2006 Q1			Jan-06	2006	Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q2	4.14%	4.68%	Feb-06	2006	Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q3	4.59%	5.05%	Mar-06	2006	Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q4	4.59%	4.72%	Apr-06	2006	Q2	\$ -		4.14%	\$ -	\$ -		
2007 Q1	4.59%	4.72%	May-06	2006	Q2	\$ -		4.14%	\$ -	\$ -		
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	\$ -		4.14%	\$ -	\$ -		
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	\$ -		4.59%	\$ -	\$ -		
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	\$ -		4.59%	\$ -	\$ -		
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	\$ -		4.59%	\$ -	\$ -		
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	\$ -		4.59%	\$ -	\$ -		
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	\$ -		4.59%	\$ -	\$ -		
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	\$ -		4.59%	\$ -	\$ -	\$ -	
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	\$ -		4.59%	\$ -	\$ -		
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	\$ -		4.59%	\$ -	\$ -		
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	\$ -		4.59%	\$ -	\$ -		
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	\$ -		4.59%	\$ -	\$ -		
2010 Q1	0.55%	4.34%	May-07	2007	Q2	\$ -		4.59%	\$ -	\$ -		
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	\$ -		4.59%	\$ -	\$ -		
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	\$ -		4.59%	\$ -	\$ -		
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	\$ -		4.59%	\$ -	\$ -		
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	\$ -		4.59%	\$ -	\$ -		
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	\$ -		5.14%	\$ -	\$ -		
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	\$ -		5.14%	\$ -	\$ -		
2011 Q4	1.47%	3.92%	Dec-07	2007	Q4	\$ -		5.14%	\$ -	\$ -	\$ -	
2012 Q1	1.47%	3.92%	Jan-08	2008	Q1	\$ -		5.14%	\$ -	\$ -		
2012 Q2	1.47%	3.51%	Feb-08	2008	Q1	\$ -		5.14%	\$ -	\$ -		
2012 Q3	1.47%	3.51%	Mar-08	2008	Q1	\$ -		5.14%	\$ -	\$ -		
2012 Q4	1.47%	3.51%	Apr-08	2008	Q2	\$ -		4.08%	\$ -	\$ -		
2013 Q1			May-08	2008	Q2	\$ -		4.08%	\$ -	\$ -		
2013 Q2			Jun-08	2008	Q2	\$ -		4.08%	\$ -	\$ -		



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the funding adder revenues.

Account 1555 - Sub-account Funding Adder Revenues

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
2013 Q3			Jul-08	2008	Q3	\$ -		3.35%	\$ -	\$ -		
2013 Q4			Aug-08	2008	Q3	\$ -		3.35%	\$ -	\$ -		
			Sep-08	2008	Q3	\$ -		3.35%	\$ -	\$ -		
			Oct-08	2008	Q4	\$ -		3.35%	\$ -	\$ -		
			Nov-08	2008	Q4	\$ -		3.35%	\$ -	\$ -		
			Dec-08	2008	Q4	\$ -		3.35%	\$ -	\$ -	\$ -	
			Jan-09	2009	Q1	\$ -		2.45%	\$ -	\$ -		
			Feb-09	2009	Q1	\$ -		2.45%	\$ -	\$ -		
			Mar-09	2009	Q1	\$ -		2.45%	\$ -	\$ -		
			Apr-09	2009	Q2	\$ -		1.00%	\$ -	\$ -		
			May-09	2009	Q2	\$ -		1.00%	\$ -	\$ -		
			Jun-09	2009	Q2	\$ -		1.00%	\$ -	\$ -		
			Jul-09	2009	Q3	\$ -		0.55%	\$ -	\$ -		
			Aug-09	2009	Q3	\$ -		0.55%	\$ -	\$ -		
			Sep-09	2009	Q3	\$ -		0.55%	\$ -	\$ -		
			Oct-09	2009	Q4	\$ -		0.55%	\$ -	\$ -		
			Nov-09	2009	Q4	\$ -		0.55%	\$ -	\$ -		
			Dec-09	2009	Q4	\$ -		0.55%	\$ -	\$ -	\$ -	
			Jan-10	2010	Q1	\$ -	\$ 66,404.04	0.55%	\$ -	\$ 66,404.04		
			Feb-10	2010	Q1	\$ 66,404.04	\$ 129,468.00	0.55%	\$ 30.44	\$ 195,902.48		
			Mar-10	2010	Q1	\$ 195,872.04	\$ 129,758.00	0.55%	\$ 89.77	\$ 325,719.81		
			Apr-10	2010	Q2	\$ 325,630.04	\$ 130,339.00	0.55%	\$ 149.25	\$ 456,118.29		
			May-10	2010	Q2	\$ 455,969.04	\$ 130,003.00	0.55%	\$ 208.99	\$ 586,181.03		
			Jun-10	2010	Q2	\$ 585,972.04	\$ 130,534.00	0.55%	\$ 268.57	\$ 716,774.61		
			Jul-10	2010	Q3	\$ 716,506.04	\$ 130,345.00	0.89%	\$ 531.41	\$ 847,382.45		
			Aug-10	2010	Q3	\$ 846,851.04	\$ 130,728.00	0.89%	\$ 628.08	\$ 978,207.12		
			Sep-10	2010	Q3	\$ 977,579.04	\$ 131,152.00	0.89%	\$ 725.04	\$ 1,109,456.08		
			Oct-10	2010	Q4	\$ 1,108,731.04	\$ 131,585.00	1.20%	\$ 1,108.73	\$ 1,241,424.77		
			Nov-10	2010	Q4	\$ 1,240,316.04	\$ 131,895.00	1.20%	\$ 1,240.32	\$ 1,373,451.36		
			Dec-10	2010	Q4	\$ 1,372,211.04	\$ 132,191.00	1.20%	\$ 1,372.21	\$ 1,505,774.25	\$ 1,510,754.85	
			Jan-11	2011	Q1	\$ 1,504,402.04	\$ 132,738.00	1.47%	\$ 1,842.89	\$ 1,638,982.93		



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the funding adder revenues.

Account 1555 - Sub-account Funding Adder Revenues

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
			Feb-11	2011	Q1	\$ 1,637,140.04	\$ 132,818.00	1.47%	\$ 2,005.50	\$ 1,771,963.54		
			Mar-11	2011	Q1	\$ 1,769,958.04	\$ 133,113.00	1.47%	\$ 2,168.20	\$ 1,905,239.24		
			Apr-11	2011	Q2	\$ 1,903,071.04	\$ 133,304.00	1.47%	\$ 2,331.26	\$ 2,038,706.30		
			May-11	2011	Q2	\$ 2,036,375.04	\$ 167,462.00	1.47%	\$ 2,494.56	\$ 2,206,331.60		
			Jun-11	2011	Q2	\$ 2,203,837.04	\$ 203,986.00	1.47%	\$ 2,699.70	\$ 2,410,522.74		
			Jul-11	2011	Q3	\$ 2,407,823.04	\$ 203,950.00	1.47%	\$ 2,949.58	\$ 2,614,722.62		
			Aug-11	2011	Q3	\$ 2,611,773.04	\$ 204,421.00	1.47%	\$ 3,199.42	\$ 2,819,393.46		
			Sep-11	2011	Q3	\$ 2,816,194.04	\$ 205,162.00	1.47%	\$ 3,449.84	\$ 3,024,805.88		
			Oct-11	2011	Q4	\$ 3,021,356.04	\$ 205,599.00	1.47%	\$ 3,701.16	\$ 3,230,656.20		
			Nov-11	2011	Q4	\$ 3,226,955.04	\$ 206,291.00	1.47%	\$ 3,953.02	\$ 3,437,199.06		
			Dec-11	2011	Q4	\$ 3,433,246.04	\$ 206,702.00	1.47%	\$ 4,205.73	\$ 3,644,153.77	\$ 2,170,546.86	
			Jan-12	2012	Q1	\$ 3,639,948.04	\$ 107,938.00	1.47%	\$ 4,458.94	\$ 3,752,344.98		
			Feb-12	2012	Q1	\$ 3,747,886.04	\$ 66.00	1.47%	\$ 4,591.16	\$ 3,752,543.20		
			Mar-12	2012	Q1	\$ 3,747,952.04	-\$ 15.00	1.47%	\$ 4,591.24	\$ 3,752,528.28		
			Apr-12	2012	Q2	\$ 3,747,937.04	\$ 19.00	1.47%	\$ 4,591.22	\$ 3,752,547.26		
			May-12	2012	Q2	\$ 3,747,956.04	\$ 2.00	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Jun-12	2012	Q2	\$ 3,747,958.04	-\$ 10.00	1.47%	\$ 4,591.25	\$ 3,752,539.29		
			Jul-12	2012	Q3	\$ 3,747,948.04	\$ 10.00	1.47%	\$ 4,591.24	\$ 3,752,549.28		
			Aug-12	2012	Q3	\$ 3,747,958.04	\$ -	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Sep-12	2012	Q3	\$ 3,747,958.04	\$ -	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Oct-12	2012	Q4	\$ 3,747,958.04		1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Nov-12	2012	Q4	\$ 3,747,958.04		1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Dec-12	2012	Q4	\$ 3,747,958.04		1.47%	\$ 4,591.25	\$ 3,752,549.29	\$ 162,972.55	
			Jan-13	2013	Q1	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Feb-13	2013	Q1	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Mar-13	2013	Q1	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Apr-13	2013	Q2	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			May-13	2013	Q2	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Jun-13	2013	Q2	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Jul-13	2013	Q3	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Aug-13	2013	Q3	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the funding adder revenues.

Account 1555 - Sub-account Funding Adder Revenues

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
			Sep-13	2013	Q3	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Oct-13	2013	Q4	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Nov-13	2013	Q4	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Dec-13	2013	Q4	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04	\$ -	
Total Funding Adder Revenues Collected							\$ 3,747,958.04		\$ 96,316.22	\$ 3,844,274.26	\$ 3,844,274.26	



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the interest on OM&A and amortization/depreciation expense, based on monthly data.

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
2006 Q1	0.00%	0.00%	Jan-06	2006	Q1	\$ -			-	0.00%	-	-
2006 Q2	4.14%	4.68%	Feb-06	2006	Q1	-			-	0.00%	-	-
2006 Q3	4.59%	5.05%	Mar-06	2006	Q1	-			-	0.00%	-	-
2006 Q4	4.59%	4.72%	Apr-06	2006	Q2	-			-	4.14%	-	-
2007 Q1	4.59%	4.72%	May-06	2006	Q2	-			-	4.14%	-	-
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	-			-	4.14%	-	-
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	-			-	4.59%	-	-
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	-			-	4.59%	-	-
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	-			-	4.59%	-	-
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	-			-	4.59%	-	-
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	-			-	4.59%	-	-
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	-			-	4.59%	-	-
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	-			-	4.59%	-	-
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	-			-	4.59%	-	-
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	-			-	4.59%	-	-
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	-			-	4.59%	-	-
2010 Q1	0.55%	4.34%	May-07	2007	Q2	-			-	4.59%	-	-
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	-			-	4.59%	-	-
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	-			-	4.59%	-	-
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	-			-	4.59%	-	-
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	-			-	4.59%	-	-
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	-			-	5.14%	-	-
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	-			-	5.14%	-	-
2011 Q4	1.47%	3.92%	Dec-07	2007	Q4	-			-	5.14%	-	-
2012 Q1	1.47%	3.92%	Jan-08	2008	Q1	-			-	5.14%	-	-
2012 Q2	1.47%	3.51%	Feb-08	2008	Q1	-			-	5.14%	-	-
2012 Q3	1.47%	3.51%	Mar-08	2008	Q1	-			-	5.14%	-	-
2012 Q4	1.47%	3.51%	Apr-08	2008	Q2	-			-	4.08%	-	-
2013 Q1	0.00%	0.00%	May-08	2008	Q2	-			-	4.08%	-	-
2013 Q2	0.00%	0.00%	Jun-08	2008	Q2	-			-	4.08%	-	-
2013 Q3	0.00%	0.00%	Jul-08	2008	Q3	-			-	3.35%	-	-
2013 Q4	0.00%	0.00%	Aug-08	2008	Q3	-			-	3.35%	-	-
			Sep-08	2008	Q3	-			-	3.35%	-	-

Oct-08	2008	Q4	-			-	3.35%	-	-
Nov-08	2008	Q4	-			-	3.35%	-	-
Dec-08	2008	Q4	-			-	3.35%	-	-
Jan-09	2009	Q1	-			-	2.45%	-	-
Feb-09	2009	Q1	-			-	2.45%	-	-
Mar-09	2009	Q1	-			-	2.45%	-	-
Apr-09	2009	Q2	-			-	1.00%	-	-
May-09	2009	Q2	-			-	1.00%	-	-
Jun-09	2009	Q2	-			-	1.00%	-	-
Jul-09	2009	Q3	-			-	0.55%	-	-
Aug-09	2009	Q3	-			-	0.55%	-	-
Sep-09	2009	Q3	-			-	0.55%	-	-
Oct-09	2009	Q4	-			-	0.55%	-	-
Nov-09	2009	Q4	-			-	0.55%	-	-
Dec-09	2009	Q4	-			-	0.55%	-	-
Jan-10	2010	Q1	-	\$ 1,339.39	\$ 10,876.24	12,215.63	0.55%	-	-
Feb-10	2010	Q1	12,215.63	\$ 1,467.22	\$ 12,505.96	26,188.80	0.55%	5.60	5.60
Mar-10	2010	Q1	26,188.80	\$ 1,643.42	\$ 5,391.96	33,224.19	0.55%	12.00	17.60
Apr-10	2010	Q2	33,224.19	\$ 3,641.65	\$ 9,466.60	46,332.43	0.55%	15.23	32.83
May-10	2010	Q2	46,332.43	\$ 1,560.20	\$ 5,836.20	53,728.83	0.55%	21.24	54.07
Jun-10	2010	Q2	53,728.83	\$ 3,124.84	\$ 10,876.80	67,730.47	0.55%	24.63	78.69
Jul-10	2010	Q3	67,730.47	\$ 2,507.71	\$ 5,142.65	75,380.83	0.89%	50.23	128.92
Aug-10	2010	Q3	75,380.83	\$ 894.96	\$ 7,652.38	83,928.18	0.89%	55.91	184.83
Sep-10	2010	Q3	83,928.18	\$ 1,515.16	\$ 7,303.24	92,746.58	0.89%	62.25	247.08
Oct-10	2010	Q4	92,746.58	\$ 1,649.41	\$ 8,917.88	103,313.87	1.20%	92.75	339.83
Nov-10	2010	Q4	103,313.87	\$ 1,564.53	\$ 19,633.60	124,512.00	1.20%	103.31	443.14
Dec-10	2010	Q4	124,512.00	\$ 3,187.71	\$ 12,418.44	140,118.15	1.20%	124.51	567.65
Jan-11	2011	Q1	140,118.15	\$ 2,941.64	\$ 24,563.79	167,623.58	1.47%	171.64	739.30
Feb-11	2011	Q1	167,623.58	\$ 1,869.92	\$ 22,936.44	192,429.94	1.47%	205.34	944.63
Mar-11	2011	Q1	192,429.94	\$ 1,864.02	\$ 27,922.49	222,216.46	1.47%	235.73	1,180.36
Apr-11	2011	Q2	222,216.46	\$ 1,629.60	\$ 21,394.85	245,240.91	1.47%	272.22	1,452.58
May-11	2011	Q2	245,240.91	\$ 1,510.68	\$ 23,805.83	270,557.42	1.47%	300.42	1,753.00
Jun-11	2011	Q2	270,557.42	\$ 1,662.63	\$ 21,694.59	293,914.63	1.47%	331.43	2,084.43
Jul-11	2011	Q3	293,914.63	\$ 1,855.79	\$ 22,193.09	317,963.51	1.47%	360.05	2,444.48
Aug-11	2011	Q3	317,963.51	\$ 1,750.38	\$ 21,352.70	341,066.58	1.47%	389.51	2,833.98
Sep-11	2011	Q3	341,066.58	\$ 1,762.77	\$ 20,726.55	363,555.90	1.47%	417.81	3,251.79
Oct-11	2011	Q4	363,555.90	\$ 7,413.57	\$ 150,424.36	521,393.83	1.47%	445.36	3,697.14
Nov-11	2011	Q4	521,393.83	\$ 1,793.87	\$ 17,221.66	540,409.36	1.47%	638.71	4,335.85
Dec-11	2011	Q4	540,409.36	\$ 2,069.76	\$ 36,808.25	579,287.37	1.47%	662.00	4,997.85
Jan-12	2012	Q1	579,287.37	\$ 3,092.82	\$ 54,486.82	636,867.02	1.47%	709.63	5,707.48
Feb-12	2012	Q1	636,867.02	\$ 3,024.19	\$ 55,080.67	694,971.88	1.47%	780.16	6,487.64
Mar-12	2012	Q1	694,971.88	\$ 1,764.31	\$ 48,283.26	745,019.45	1.47%	851.34	7,338.98
Apr-12	2012	Q2	745,019.45	\$ 2,601.72	\$ 46,011.85	793,633.03	1.47%	912.65	8,251.63
May-12	2012	Q2	793,633.03	\$ 2,601.72	\$ 47,708.01	843,942.76	1.47%	972.20	9,223.83
Jun-12	2012	Q2	843,942.76	\$ 2,381.39	\$ 42,896.66	889,220.80	1.47%	1,033.83	10,257.66
Jul-12	2012	Q3	889,220.80	\$ 3,138.76	\$ 58,311.88	950,671.43	1.47%	1,089.30	11,346.96
Aug-12	2012	Q3	950,671.43	\$ 1,757.97	\$ 51,099.48	1,003,528.88	1.47%	1,164.57	12,511.53
Sep-12	2012	Q3	1,003,528.88	\$ 2,456.08	\$ 52,006.13	1,057,991.09	1.47%	1,229.32	13,740.85
Oct-12	2012	Q4	1,057,991.09	\$ 2,535.44	\$ 51,309.30	1,111,835.83	1.47%	1,296.04	15,036.89
Nov-12	2012	Q4	1,111,835.83	\$ 2,535.44	\$ 19,927.50	1,134,298.77	1.47%	1,362.00	16,398.89
Dec-12	2012	Q4	1,134,298.77	\$ 2,535.44	\$ 51,309.30	1,188,143.50	1.47%	1,389.52	17,788.41
Jan-13	2013	Q1	1,188,143.50	\$ 5,514.06	\$ 47,234.71	1,240,892.27	0.00%	-	17,788.41
Feb-13	2013	Q1	1,240,892.27	\$ 5,514.06	\$ 47,234.71	1,293,641.03	0.00%	-	17,788.41
Mar-13	2013	Q1	1,293,641.03	\$ 5,514.06	\$ 47,234.71	1,346,389.80	0.00%	-	17,788.41
Apr-13	2013	Q2	1,346,389.80	\$ 5,514.06	\$ 47,234.71	1,399,138.56	0.00%	-	17,788.41
May-13	2013	Q2	1,399,138.56	\$ 5,514.06	\$ 47,234.71	1,451,887.32	0.00%	-	17,788.41
Jun-13	2013	Q2	1,451,887.32	\$ 5,514.06	\$ 47,234.71	1,504,636.09	0.00%	-	17,788.41
Jul-13	2013	Q3	1,504,636.09	\$ 5,514.06	\$ 47,234.71	1,557,384.85	0.00%	-	17,788.41
Aug-13	2013	Q3	1,557,384.85	\$ 5,514.06	\$ 47,234.71	1,610,133.62	0.00%	-	17,788.41
Sep-13	2013	Q3	1,610,133.62	\$ 5,514.06	\$ 47,234.71	1,662,882.38	0.00%	-	17,788.41

	Oct-13	2013	Q4	1,662,882.38	\$	5,514.06	\$	47,234.71	1,715,631.15	0.00%	-	17,788.41
	Nov-13	2013	Q4	1,715,631.15	\$	5,514.06	\$	47,234.71	1,768,379.91	0.00%	-	17,788.41
	Dec-13	2013	Q4	1,768,379.91	\$	5,514.06	\$	47,234.71	1,821,128.67	0.00%	-	17,788.41
					\$	82,646.10	\$	1,105,497.41	\$	1,188,143.50		



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the interest on OM&A and amortization/depreciation expense, in the absence of monthly data.

Year	OM&A (from Sheet 5)	Amortization Expense (from Sheet 5)	Cumulative OM&A and Amortization Expense	Average Cumulative OM&A and Amortization Expense	Average Annual Prescribed Interest Rate for Deferral and Variance Accounts (from Sheets 8A and 8B)	Simple Interest on OM&A and Amortization Expenses
2006	\$ -	\$ -	\$ -	\$ -	4.37%	\$ -
2007	\$ -	\$ -	\$ -	\$ -	4.73%	\$ -
2008	\$ -	\$ -	\$ -	\$ -	3.98%	\$ -
2009	\$ -	\$ -	\$ -	\$ -	1.14%	\$ -
2010	\$ 24,096.18	\$ 116,021.97	\$ 140,118.15	\$ 70,059.07	0.80%	\$ 558.72
2011	\$ 28,124.64	\$ 411,044.59	\$ 579,287.37	\$ 359,702.76	1.47%	\$ 5,287.63
2012	\$ 30,425.28	\$ 578,430.85	\$ 1,188,143.50	\$ 883,715.44	1.47%	\$ 12,990.62
2013	\$ 66,168.71	\$ 566,816.46	\$ 1,821,128.67	\$ 1,504,636.09	0.00%	\$ -
Cumulative Interest to 2011						\$ 5,846.35
Cumulative Interest to 2012						\$ 18,836.97
Cumulative Interest to 2013						\$ 18,836.97



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the Smart Meter Disposition Rider and the Smart Meter Incremental Revenue Requirement Rate Rider, if applicable. This worksheet also calculates any new Smart Meter Funding Adder that a distributor may wish to request. However, please note that in many 2011 IRM decisions, the Board noted that current funding adders will cease on April 30, 2011 and that the Board's expectation is that distributors will file for a final review of prudence at the earliest opportunity. The Board also noted that the SMFA is a tool designed to provide advance funding and to mitigate the anticipated rate impact of smart meter costs when recovery of those costs is approved by the Board. The Board observed that the SMFA was not intended to be compensatory (return on and of capital) on a cumulative basis over the term the SMFA was in effect. The SMFA was initially designed to fund future investment, and not fully fund prior capital investment. Distributors that seek a new SMFA should provide evidence to support its proposal. This would include documentation of where the distributor is with respect to its smart meter deployment program, and reasons as to why the distributor's circumstances are such that continuation of the SMFA is warranted. Press the "UPDATE WORKSHEET" button after choosing the applicable adders/riders.

Check if
applicable

☐ Smart Meter Funding Adder (SMFA)

☒ Smart Meter Disposition Rider (SMDR)

The SMDR is calculated based on costs to December 31, 2011

☒ Smart Meter Incremental Revenue Requirement Rate Rider (SMIRR)

The SMIRR is calculated based on the incremental revenue requirement associated with the recovery of capital related costs to December 31, 2012 and associated OM&A.

	2006	2007	2008	2009	2010	2011	2012	2013	Total
Deferred and forecasted Smart Meter Incremental Revenue Requirement (from Sheet 5)	\$ -	\$ -	\$ -	\$ -	\$ 290,481.59	\$ 625,102.27	\$ 931,736.54	\$ 1,201,434.59	\$ 1,847,320.39
Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check one of the boxes below)	\$ -	\$ -	\$ -	\$ -	\$ 567.65	\$ 4,430.20	\$ 12,790.55		\$ 17,788.41
<input checked="" type="checkbox"/> Sheet 8A (Interest calculated on monthly balances)	\$ -	\$ -	\$ -	\$ -	\$ 567.65	\$ 4,430.20	\$ 12,790.55	\$ -	\$ 17,788.41
<input type="checkbox"/> Sheet 8B (Interest calculated on average annual balances)									
SMFA Revenues (from Sheet 8)	\$ -	\$ -	\$ -	\$ -	\$ 1,504,402.04	\$ 2,135,546.00	\$ 108,010.00	\$ -	\$ 3,747,958.04
SMFA Interest (from Sheet 8)	\$ -	\$ -	\$ -	\$ -	\$ 6,352.81	\$ 35,000.86	\$ 54,962.55	\$ -	\$ 96,316.22
Net Deferred Revenue Requirement	\$ -	\$ -	\$ -	\$ -	-\$ 1,219,705.61	-\$ 1,541,014.39	\$ 781,554.54	\$ 1,201,434.59	-\$ 1,979,165.46

Number of Metered Customers (average for 2013 test year)

- Number of metered customers for which smart meter were deployed as part of program). Residential and GS < 50 kW customer classes and any other metered classes involved (e.g. GS 50 to 4999 kW for which interval meters were upgraded to utilize AMI and ODS assets)

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Calculation of Smart Meter Disposition Rider (per metered customer per month)

Years for collection or refunding	0.666666667	
Deferred Incremental Revenue Requirement from 2006 to December 31, 2012 plus Interest on OM&A and Amortization	\$ 1,865,108.80	
SMFA Revenues collected from 2006 to 2013 test year (inclusive) Plus Simple Interest on SMFA Revenues	\$ 3,844,274.26	
Net Deferred Revenue Requirement	-\$ 1,979,165.46	} Match
SMDR May 1, 2013 to December 31, 2013	-\$ 1.75	
Check: Forecasted SMDR Revenues	-\$ 1,975,498.00	

Calculation of Smart Meter Incremental Revenue Requirement Rate Rider (per metered customer per month)

Incremental Revenue Requirement for 2013	\$ 1,201,434.59	} Match
SMIRR	\$ 0.71	
Check: Forecasted SMIRR Revenues	\$ 1,202,231.64	



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the class-specific SMDRs according to accepted practice. A distributor may choose to use its own methodology, but should provide analogous support for its allocation and derivation of class-specific SMDRs and SMIRRs.

Class-specific SMDRs

Revenue Requirement for Historical Years	2006	2007	2008	2009	2010	2011	2012	Total 2006 to 2012	Explanation / Allocator Check Row if SMDR/SMIRR apply to class	Residential	GS < 50 kW	GS 50 to 4999 kW
										X	X	
										%	%	%
Return on Capital	\$ -	\$ -	\$ -	\$ -	\$ 130,996.99	\$ 345,748.23	\$ 408,971.42	\$ 885,716.64	Weighted Meter Cost - Capital Allocated per class	\$ -	\$ -	\$ -
Depreciation/Amortization expense and related interest	\$ -	\$ -	\$ -	\$ -	\$ 116,021.97	\$ 411,044.59	\$ 578,430.85					
	\$ -	\$ -	\$ -	\$ -	\$ 470.03	\$ 4,146.49	\$ 12,151.39		Weighted Meter Cost - Capital Allocated per class	0%	0%	0%
	\$ -	\$ -	\$ -	\$ -	\$ 116,492.00	\$ 415,191.08	\$ 590,582.25	\$ 1,122,265.32		\$ -	\$ -	\$ -
Operating Expenses and related interest	\$ -	\$ -	\$ -	\$ -	\$ 24,096.18	\$ 28,124.64	\$ 30,425.28		Number of Smart Meters installed by Class	#	#	#
	\$ -	\$ -	\$ -	\$ -	\$ 97.62	\$ 283.71	\$ 639.16					



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the class-specific SMIRRs according to accepted practice. A distributor may choose to use its own methodology, but should provide analogous support for its allocation and derivation of class-specific SMDRs and SMIRRs.

Class-specific SMDRs

Revenue Requirement for 2013

	2013	Explanation / Allocator	Residential	GS < 50 kW	GS 50 to 4999 kW
		Check Row if SMDR/SMIRR apply to class	X	X	
			%	%	%
Return on Capital	\$ 363,435.52	Weighted Meter Cost - Capital Allocated per class	\$ 0.00% -	\$ 0.00% -	\$ 0.00% -
Depreciation/Amortization expense	\$ 566,816.46	Weighted Meter Cost - Capital Allocated per class	\$ 0.00% -	\$ 0.00% -	\$ 0.00% -
Operating Expenses	\$ 66,168.71	Number of Smart Meters installed by Class	# -	# -	# -

**APPENDIX B - OEB SMART METER MODEL – GENERAL
SERVICE 50 to 699 kW**



Smart Meter Model for Electricity Distributors (2013 Filers)

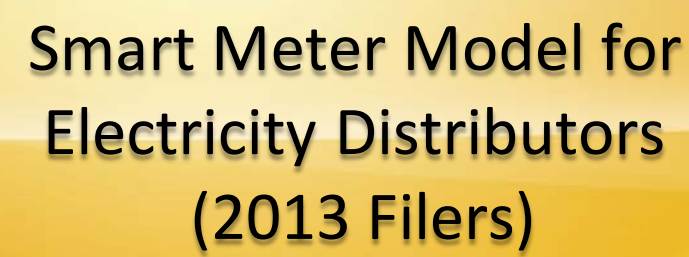
Version 3.00

Utility Name	Hydro One Brampton Networks Inc.
Assigned EB Number	
Name and Title	Scott Miller - Director of Regulatory Affairs & Communications
Phone Number	905-452-5504
Email Address	smiller@hydroonebrampton.com
Date	1-May-13
Last COS Re-based Year	2011

Note: Drop-down lists are shaded blue; Input cells are shaded green.

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While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results. The use of any models and spreadsheets does not automatically imply Board approval. The onus is on the distributor to prepare, document and support its application. Board-issued Excel models and spreadsheets are offered to assist parties in providing the necessary information so as to facilitate an expeditious review of an application. The onus remains on the applicant to ensure the accuracy of the data and the results.



For 2012, distributors that have completed their deployments by the end of 2011 are not expected to enter any capital costs. However, for OM&A, regardless of whether a distributor has deployments in 2012, distributors should enter the forecasted OM&A for 2012 for all smart meters in service.

[illegible]

1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)

1.3.1 Computer Hardware

1.3.2 Computer Software

1.3.3 Computer Software Licences & Installation (includes hardware and software)
(may include AS/400 disk space, backup and recovery computer, UPS, etc.)

Total Advanced Metering Control Computer (AMCC)

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
									\$ -
Computer Software									\$ -
									\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

1.4 WIDE AREA NETWORK (WAN)

1.4.1 Activation Fees

Total Wide Area Network (WAN)

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
									\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

1.5 OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY

1.5.1 Customer Equipment (including repair of damaged equipment)

1.5.2 AMI Interface to CIS

1.5.3 Professional Fees

1.5.4 Integration

1.5.5 Program Management

1.5.6 Other AMI Capital

Total Other AMI Capital Costs Related to Minimum Functionality

Total Capital Costs Related to Minimum Functionality

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
									\$ -
									\$ -
									\$ -
									\$ -
									\$ -
Smart Meter									\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

1.6 CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY

(Please provide a descriptive title and identify nature of beyond minimum functionality costs)

1.6.1 Costs related to technical capabilities in the smart meters or related communications infrastructure that exceed those specified in O.Reg 425/06

1.6.2 Costs for deployment of smart meters to customers other than residential and small general service

1.6.3 Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDM/R, etc.

Total Capital Costs Beyond Minimum Functionality

Total Smart Meter Capital Costs

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
Smart Meter									\$ -
Smart Meter					20,191	1,102,544	47,077		\$ 1,169,812
									\$ -
	\$ -	\$ -	\$ -	\$ -	\$ 20,191	\$ 1,102,544	\$ 47,077	\$ -	\$ 1,169,812
	\$ -	\$ -	\$ -	\$ -	\$ 20,191	\$ 1,102,544	\$ 47,077	\$ -	\$ 1,169,812

2 OM&A Expenses

2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)
2.1.1 Maintenance <i>(may include meter reverification costs, etc.)</i>
2.1.2 Other <i>(please specify)</i>
Total Incremental AMCD OM&A Costs
2.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)
2.2.1 Maintenance
2.2.2 Other <i>(please specify)</i>
Total Incremental AMRC OM&A Costs
2.3 ADVANCED METERING CONTROL COMPUTER (AMCC)
2.3.1 Hardware Maintenance <i>(may include server support, etc.)</i>
2.3.2 Software Maintenance <i>(may include maintenance support, etc.)</i>
2.3.2 Other <i>(please specify)</i>
Total Incremental AMCC OM&A Costs
2.4 WIDE AREA NETWORK (WAN)
2.4.1 WAN Maintenance
2.4.2 Other <i>(please specify)</i>
Total Incremental AMRC OM&A Costs
2.5 OTHER AMI OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY
2.5.1 Business Process Redesign
2.5.2 Customer Communication (may include project communication, etc.)
2.5.3 Program Management
2.5.4 Change Management (may include training, etc.)
2.5.5 Administration Costs
2.5.6 Other AMI Expenses <i>(please specify)</i>
Total Other AMI OM&A Costs Related to Minimum Functionality
TOTAL OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY
2.6 OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY <i>(Please provide a descriptive title and identify nature of beyond minimum functionality costs)</i>
2.6.1 Costs related to technical capabilities in the smart meters or related communications infrastructure that exceed those specified in O.Reg 425/06
2.6.2 Costs for deployment of smart meters to customers other than residential and small general service
2.6.3 Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDM/R, etc.
Total OM&A Costs Beyond Minimum Functionality
Total Smart Meter OM&A Costs

Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual			
								\$ -
				51	2,360	2,711	5,896	\$ 11,019
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 2,360	\$ 2,711	\$ 5,896	\$ 11,019
\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 2,360	\$ 2,711	\$ 5,896	\$ 11,019

3 Aggregate Smart Meter Costs by Category

3.1	Capital																			
3.1.1	Smart Meter	\$	-	\$	-	\$	-	\$	-	\$	20,191	\$	1,102,544	\$	47,077	\$	-	\$	1,169,812	
3.1.2	Computer Hardware	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
3.1.3	Computer Software	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
3.1.4	Tools & Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
3.1.5	Other Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
3.1.6	Applications Software	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
3.1.7	Total Capital Costs	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>20,191</u>	<u>\$</u>	<u>1,102,544</u>	<u>\$</u>	<u>47,077</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>1,169,812</u>	
3.2	OM&A Costs																			
3.2.1	Total OM&A Costs	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>51</u>	<u>\$</u>	<u>2,360</u>	<u>\$</u>	<u>2,711</u>	<u>\$</u>	<u>5,896</u>	<u>\$</u>	<u>11,019</u>	



Smart Meter Model for Electricity Distributors (2013 Filers)

	2006	2007	2008	2009	2010	2011	2012	2013
Cost of Capital								
Capital Structure¹								
Deemed Short-term Debt Capitalization						4.0%	4.0%	4.0%
Deemed Long-term Debt Capitalization		0.0%	60.0%	60.0%	60.0%	56.0%	56.0%	56.0%
Deemed Equity Capitalization	100.0%	100.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%
Preferred Shares								
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Cost of Capital Parameters								
Deemed Short-term Debt Rate					0.00%	2.43%	2.43%	2.43%
Long-term Debt Rate (actual/embedded/deemed) ²		0.00%			6.95%	6.62%	6.62%	6.62%
Target Return on Equity (ROE)		0.00%			9.00%	9.66%	9.66%	9.66%
Return on Preferred Shares								
WACC	0.00%	0.00%	0.00%	0.00%	7.77%	7.67%	7.67%	7.67%
Working Capital Allowance								
Working Capital Allowance Rate					15.0%	15.0%	15.0%	15.0%
(% of the sum of Cost of Power + controllable expenses)								
Taxes/PILs								
Aggregate Corporate Income Tax Rate	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.50%	26.50%
Capital Tax (until July 1st, 2010)	0.30%	0.225%	0.225%	0.225%	0.075%	0.00%	0.00%	0.00%

Depreciation Rates

(expressed as expected useful life in years)

Smart Meters	- years				15	15	15	15	15
	- rate (%)	0.00%	0.00%	0.00%	6.67%	6.67%	6.67%	6.67%	6.67%
Computer Hardware	- years					5	5	5	5
	- rate (%)	0.00%	0.00%	0.00%	0.00%	20.00%	20.00%	20.00%	20.00%
Computer Software	- years					5	5	5	5
	- rate (%)	0.00%	0.00%	0.00%	0.00%	20.00%	20.00%	20.00%	20.00%
Tools & Equipment	- years					15	15	15	15
	- rate (%)	0.00%	0.00%	0.00%	0.00%	6.67%	6.67%	6.67%	6.67%
Other Equipment	- years					15	15	15	15
	- rate (%)	0.00%	0.00%	0.00%	0.00%	6.67%	6.67%	6.67%	6.67%

CCA Rates

Smart Meters - CCA Class					47	47	47	47
Smart Meters - CCA Rate					8%	8%	8%	8%
Computer Equipment - CCA Class					12	12	12	12
Computer Equipment - CCA Rate					100%	100%	100%	100%
General Equipment - CCA Class								
General Equipment - CCA Rate								
Applications Software - CCA Class					12	12	12	12
Applications Software - CCA Rate					100%	100%	100%	100%

Assumptions

- ¹ Planned smart meter installations occur evenly throughout the year.
- ² Fiscal calendar year (January 1 to December 31) used.
- ³ Amortization is done on a straight line basis and has the "half-year" rule applied.

Net Fixed Assets - Computer Software (including Applications Software)

Gross Book Value								
Opening Balance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Accumulated Depreciation								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Book Value								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Average Net Book Value	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Net Fixed Assets - Tools and Equipment

Gross Book Value								
Opening Balance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Accumulated Depreciation								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Book Value								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Average Net Book Value	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

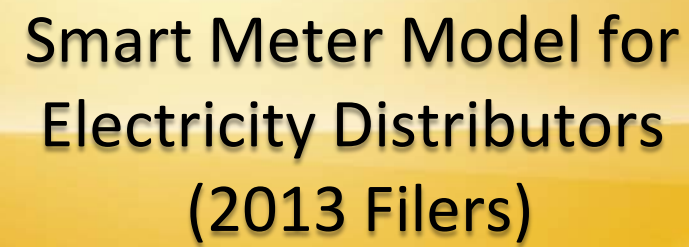
Net Fixed Assets - Other Equipment

Gross Book Value								
Opening Balance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Accumulated Depreciation								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Book Value								
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Average Net Book Value	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Smart Meter Model for Electricity Distributors (2013 Filers)

	2006	2007	2008	2009	2010	2011	2012	2013
Average Net Fixed Asset Values (from Sheet 4)								
Smart Meters	\$ -	\$ -	\$ -	\$ -	\$ 9,759	\$ 551,741	\$ 1,069,293	\$ 1,015,629
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ 9,759	\$ 551,741	\$ 1,069,293	\$ 1,015,629
Working Capital								
Operating Expenses (from Sheet 2)	\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 2,360	\$ 2,711	\$ 5,896
Working Capital Factor (from Sheet 3)	0%	0%	0%	0%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ -	\$ -	\$ -	\$ 8	\$ 354	\$ 407	\$ 884
Incremental Smart Meter Rate Base	\$ -	\$ -	\$ -	\$ -	\$ 9,766	\$ 552,095	\$ 1,069,700	\$ 1,016,514
Return on Rate Base								
Capital Structure								
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,084	\$ 42,788	\$ 40,661
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 5,860	\$ 309,173	\$ 599,032	\$ 569,248
Equity	\$ -	\$ -	\$ -	\$ -	\$ 3,907	\$ 220,838	\$ 427,880	\$ 406,605
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capitalization	\$ -	\$ -	\$ -	\$ -	\$ 9,766	\$ 552,095	\$ 1,069,700	\$ 1,016,514
Return on								
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 537	\$ 1,040	\$ 988
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 407	\$ 20,467	\$ 39,656	\$ 37,684
Equity	\$ -	\$ -	\$ -	\$ -	\$ 352	\$ 21,333	\$ 41,333	\$ 39,278
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Return on Capital	\$ -	\$ -	\$ -	\$ -	\$ 759	\$ 42,337	\$ 82,029	\$ 77,950
Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 2,360	\$ 2,711	\$ 5,896
Amortization Expenses (from Sheet 4)								
Smart Meters	\$ -	\$ -	\$ -	\$ -	\$ 673	\$ 38,098	\$ 76,418	\$ 77,987
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Amortization Expense in Year	\$ -	\$ -	\$ -	\$ -	\$ 673	\$ 38,098	\$ 76,418	\$ 77,987
Incremental Revenue Requirement before Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 1,483	\$ 82,794	\$ 161,158	\$ 161,834
Calculation of Taxable Income								
Incremental Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 2,360	\$ 2,711	\$ 5,896
Amortization Expense	\$ -	\$ -	\$ -	\$ -	\$ 673	\$ 38,098	\$ 76,418	\$ 77,987
Interest Expense	\$ -	\$ -	\$ -	\$ -	\$ 407	\$ 21,004	\$ 40,696	\$ 38,672
Net Income for Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 352	\$ 21,333	\$ 41,333	\$ 39,278
Grossed-up Taxes/PILs (from Sheet 7)	\$ -	\$ -	\$ -	\$ -	\$ 112.13	\$ 5,424.81	\$ 10,732.09	\$ 12,415.77
Revenue Requirement, including Grossed-up Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 1,595	\$ 88,219	\$ 171,890	\$ 174,250



UCC - Smart Meters

UCC - Computer Equipment

[illegible]

UCC - General Equipment

	2006	2007	2008	2009	2010	2011	2012	2013
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA Rate Class	0	0	0	0	0	0	0	0
CCA Rate	0%	0%	0%	0%	0%	0%	0%	0%
CCA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

UCC - Applications Software

	2006	2007	2008	2009	2010	2011	2012	2013
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)								
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA Rate Class	0	0	0	0	12	12	12	12
CCA Rate	0%	0%	0%	0%	100%	100%	100%	100%
CCA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Smart Meter Model for Electricity Distributors (2013 Filers)

PILs Calculation

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 Forecast	2013 Forecast
INCOME TAX								
Net Income	\$ -	\$ -	\$ -	\$ -	\$ 351.59	\$ 21,332.94	\$ 41,333.21	\$ 39,278.09
Amortization	\$ -	\$ -	\$ -	\$ -	\$ 673.02	\$ 38,097.51	\$ 76,418.21	\$ 77,987.44
CCA - Smart Meters	\$ -	\$ -	\$ -	\$ -	\$ 807.63	\$ 45,652.40	\$ 87,985.05	\$ 82,829.32
CCA - Computers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Change in taxable income	\$ -	\$ -	\$ -	\$ -	\$ 216.99	\$ 13,778.05	\$ 29,766.37	\$ 34,436.20
Tax Rate (from Sheet 3)	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.50%	26.50%
Income Taxes Payable	\$ -	\$ -	\$ -	\$ -	\$ 67.27	\$ 3,892.30	\$ 7,888.09	\$ 9,125.59
ONTARIO CAPITAL TAX								
Smart Meters	\$ -	\$ -	\$ -	\$ -	\$ 19,517.63	\$ 1,083,964.06	\$ 1,054,622.89	\$ 976,635.45
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software (Including Application Software)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Base	\$ -	\$ -	\$ -	\$ -	\$ 19,517.63	\$ 1,083,964.06	\$ 1,054,622.89	\$ 976,635.45
Less: Exemption								
Deemed Taxable Capital	\$ -	\$ -	\$ -	\$ -	\$ 19,517.63	\$ 1,083,964.06	\$ 1,054,622.89	\$ 976,635.45
Ontario Capital Tax Rate (from Sheet 3)	0.300%	0.225%	0.225%	0.225%	0.075%	0.000%	0.000%	0.000%
Net Amount (Taxable Capital x Rate)	\$ -	\$ -	\$ -	\$ -	\$ 14.64	\$ -	\$ -	\$ -
Change in Income Taxes Payable	\$ -	\$ -	\$ -	\$ -	\$ 67.27	\$ 3,892.30	\$ 7,888.09	\$ 9,125.59
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ 14.64	\$ -	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ -	\$ 81.90	\$ 3,892.30	\$ 7,888.09	\$ 9,125.59
Gross Up PILs								
Tax Rate	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.50%	26.50%
Change in Income Taxes Payable	\$ -	\$ -	\$ -	\$ -	\$ 97.49	\$ 5,424.81	\$ 10,732.09	\$ 12,415.77
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ 14.64	\$ -	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ -	\$ 112.13	\$ 5,424.81	\$ 10,732.09	\$ 12,415.77



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the funding adder revenues.

Account 1555 - Sub-account Funding Adder Revenues

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
2006 Q1			Jan-06	2006	Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q2	4.14%	4.68%	Feb-06	2006	Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q3	4.59%	5.05%	Mar-06	2006	Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q4	4.59%	4.72%	Apr-06	2006	Q2	\$ -		4.14%	\$ -	\$ -		
2007 Q1	4.59%	4.72%	May-06	2006	Q2	\$ -		4.14%	\$ -	\$ -		
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	\$ -		4.14%	\$ -	\$ -		
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	\$ -		4.59%	\$ -	\$ -		
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	\$ -		4.59%	\$ -	\$ -		
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	\$ -		4.59%	\$ -	\$ -		
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	\$ -		4.59%	\$ -	\$ -		
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	\$ -		4.59%	\$ -	\$ -		
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	\$ -		4.59%	\$ -	\$ -	\$ -	
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	\$ -		4.59%	\$ -	\$ -		
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	\$ -		4.59%	\$ -	\$ -		
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	\$ -		4.59%	\$ -	\$ -		
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	\$ -		4.59%	\$ -	\$ -		
2010 Q1	0.55%	4.34%	May-07	2007	Q2	\$ -		4.59%	\$ -	\$ -		
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	\$ -		4.59%	\$ -	\$ -		
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	\$ -		4.59%	\$ -	\$ -		
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	\$ -		4.59%	\$ -	\$ -		
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	\$ -		4.59%	\$ -	\$ -		
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	\$ -		5.14%	\$ -	\$ -		
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	\$ -		5.14%	\$ -	\$ -		
2011 Q4	1.47%	3.92%	Dec-07	2007	Q4	\$ -		5.14%	\$ -	\$ -	\$ -	
2012 Q1	1.47%	3.92%	Jan-08	2008	Q1	\$ -		5.14%	\$ -	\$ -		
2012 Q2	1.47%	3.51%	Feb-08	2008	Q1	\$ -		5.14%	\$ -	\$ -		
2012 Q3	1.47%	3.51%	Mar-08	2008	Q1	\$ -		5.14%	\$ -	\$ -		
2012 Q4	1.47%	3.51%	Apr-08	2008	Q2	\$ -		4.08%	\$ -	\$ -		
2013 Q1			May-08	2008	Q2	\$ -		4.08%	\$ -	\$ -		
2013 Q2			Jun-08	2008	Q2	\$ -		4.08%	\$ -	\$ -		



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the funding adder revenues.

Account 1555 - Sub-account Funding Adder Revenues

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
2013 Q3			Jul-08	2008	Q3	\$ -		3.35%	\$ -	\$ -		
2013 Q4			Aug-08	2008	Q3	\$ -		3.35%	\$ -	\$ -		
			Sep-08	2008	Q3	\$ -		3.35%	\$ -	\$ -		
			Oct-08	2008	Q4	\$ -		3.35%	\$ -	\$ -		
			Nov-08	2008	Q4	\$ -		3.35%	\$ -	\$ -		
			Dec-08	2008	Q4	\$ -		3.35%	\$ -	\$ -	\$ -	
			Jan-09	2009	Q1	\$ -		2.45%	\$ -	\$ -		
			Feb-09	2009	Q1	\$ -		2.45%	\$ -	\$ -		
			Mar-09	2009	Q1	\$ -		2.45%	\$ -	\$ -		
			Apr-09	2009	Q2	\$ -		1.00%	\$ -	\$ -		
			May-09	2009	Q2	\$ -		1.00%	\$ -	\$ -		
			Jun-09	2009	Q2	\$ -		1.00%	\$ -	\$ -		
			Jul-09	2009	Q3	\$ -		0.55%	\$ -	\$ -		
			Aug-09	2009	Q3	\$ -		0.55%	\$ -	\$ -		
			Sep-09	2009	Q3	\$ -		0.55%	\$ -	\$ -		
			Oct-09	2009	Q4	\$ -		0.55%	\$ -	\$ -		
			Nov-09	2009	Q4	\$ -		0.55%	\$ -	\$ -		
			Dec-09	2009	Q4	\$ -		0.55%	\$ -	\$ -	\$ -	
			Jan-10	2010	Q1	\$ -	\$ 1,289.25	0.55%	\$ -	\$ 1,289.25		
			Feb-10	2010	Q1	\$ 1,289.25	\$ 1,496.00	0.55%	\$ 0.59	\$ 2,785.84		
			Mar-10	2010	Q1	\$ 2,785.25	\$ 1,510.00	0.55%	\$ 1.28	\$ 4,296.53		
			Apr-10	2010	Q2	\$ 4,295.25	\$ 1,504.00	0.55%	\$ 1.97	\$ 5,801.22		
			May-10	2010	Q2	\$ 5,799.25	\$ 1,501.00	0.55%	\$ 2.66	\$ 7,302.91		
			Jun-10	2010	Q2	\$ 7,300.25	\$ 1,500.00	0.55%	\$ 3.35	\$ 8,803.60		
			Jul-10	2010	Q3	\$ 8,800.25	\$ 1,500.00	0.89%	\$ 6.53	\$ 10,306.78		
			Aug-10	2010	Q3	\$ 10,300.25	\$ 1,504.00	0.89%	\$ 7.64	\$ 11,811.89		
			Sep-10	2010	Q3	\$ 11,804.25	\$ 1,508.00	0.89%	\$ 8.75	\$ 13,321.00		
			Oct-10	2010	Q4	\$ 13,312.25	\$ 1,511.00	1.20%	\$ 13.31	\$ 14,836.56		
			Nov-10	2010	Q4	\$ 14,823.25	\$ 1,510.00	1.20%	\$ 14.82	\$ 16,348.07		
			Dec-10	2010	Q4	\$ 16,333.25	\$ 1,507.00	1.20%	\$ 16.33	\$ 17,856.58	\$ 17,917.48	
			Jan-11	2011	Q1	\$ 17,840.25	\$ 1,508.00	1.47%	\$ 21.85	\$ 19,370.10		



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the funding adder revenues.

Account 1555 - Sub-account Funding Adder Revenues

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
			Feb-11	2011	Q1	\$ 19,348.25	\$ 1,518.00	1.47%	\$ 23.70	\$ 20,889.95		
			Mar-11	2011	Q1	\$ 20,866.25	\$ 1,507.00	1.47%	\$ 25.56	\$ 22,398.81		
			Apr-11	2011	Q2	\$ 22,373.25	\$ 1,511.00	1.47%	\$ 27.41	\$ 23,911.66		
			May-11	2011	Q2	\$ 23,884.25	\$ 2,195.00	1.47%	\$ 29.26	\$ 26,108.51		
			Jun-11	2011	Q2	\$ 26,079.25	\$ 2,308.00	1.47%	\$ 31.95	\$ 28,419.20		
			Jul-11	2011	Q3	\$ 28,387.25	\$ 2,284.00	1.47%	\$ 34.77	\$ 30,706.02		
			Aug-11	2011	Q3	\$ 30,671.25	\$ 2,288.00	1.47%	\$ 37.57	\$ 32,996.82		
			Sep-11	2011	Q3	\$ 32,959.25	\$ 2,259.00	1.47%	\$ 40.38	\$ 35,258.63		
			Oct-11	2011	Q4	\$ 35,218.25	\$ 2,264.00	1.47%	\$ 43.14	\$ 37,525.39		
			Nov-11	2011	Q4	\$ 37,482.25	\$ 2,255.00	1.47%	\$ 45.92	\$ 39,783.17		
			Dec-11	2011	Q4	\$ 39,737.25	\$ 2,264.00	1.47%	\$ 48.68	\$ 42,049.93	\$ 24,571.19	
			Jan-12	2012	Q1	\$ 42,001.25	\$ 293.00	1.47%	\$ 51.45	\$ 42,345.70		
			Feb-12	2012	Q1	\$ 42,294.25	\$ -	1.47%	\$ 51.81	\$ 42,346.06		
			Mar-12	2012	Q1	\$ 42,294.25	\$ 3.00	1.47%	\$ 51.81	\$ 42,349.06		
			Apr-12	2012	Q2	\$ 42,297.25	\$ -	1.47%	\$ 51.81	\$ 42,349.06		
			May-12	2012	Q2	\$ 42,297.25	\$ -	1.47%	\$ 51.81	\$ 42,349.06		
			Jun-12	2012	Q2	\$ 42,297.25	\$ -	1.47%	\$ 51.81	\$ 42,349.06		
			Jul-12	2012	Q3	\$ 42,297.25	\$ -	1.47%	\$ 51.81	\$ 42,349.06		
			Aug-12	2012	Q3	\$ 42,297.25	\$ -	1.47%	\$ 51.81	\$ 42,349.06		
			Sep-12	2012	Q3	\$ 42,297.25	\$ -	1.47%	\$ 51.81	\$ 42,349.06		
			Oct-12	2012	Q4	\$ 42,297.25	\$ -	1.47%	\$ 51.81	\$ 42,349.06		
			Nov-12	2012	Q4	\$ 42,297.25	\$ -	1.47%	\$ 51.81	\$ 42,349.06		
			Dec-12	2012	Q4	\$ 42,297.25	\$ -	1.47%	\$ 51.81	\$ 42,349.06	\$ 917.36	
			Jan-13	2013	Q1	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		
			Feb-13	2013	Q1	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		
			Mar-13	2013	Q1	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		
			Apr-13	2013	Q2	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		
			May-13	2013	Q2	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		
			Jun-13	2013	Q2	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		
			Jul-13	2013	Q3	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		
			Aug-13	2013	Q3	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the funding adder revenues.

Account 1555 - Sub-account Funding Adder Revenues

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
			Sep-13	2013	Q3	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		
			Oct-13	2013	Q4	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		
			Nov-13	2013	Q4	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25		
			Dec-13	2013	Q4	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25	\$ -	
Total Funding Adder Revenues Collected							\$ 42,297.25		\$ 1,108.78	\$ 43,406.03	\$ 43,406.03	



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the interest on OM&A and amortization/depreciation expense, based on monthly data.

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
2006 Q1	0.00%	0.00%	Jan-06	2006	Q1	\$ -			-	0.00%	-	-
2006 Q2	4.14%	4.68%	Feb-06	2006	Q1	-			-	0.00%	-	-
2006 Q3	4.59%	5.05%	Mar-06	2006	Q1	-			-	0.00%	-	-
2006 Q4	4.59%	4.72%	Apr-06	2006	Q2	-			-	4.14%	-	-
2007 Q1	4.59%	4.72%	May-06	2006	Q2	-			-	4.14%	-	-
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	-			-	4.14%	-	-
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	-			-	4.59%	-	-
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	-			-	4.59%	-	-
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	-			-	4.59%	-	-
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	-			-	4.59%	-	-
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	-			-	4.59%	-	-
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	-			-	4.59%	-	-
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	-			-	4.59%	-	-
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	-			-	4.59%	-	-
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	-			-	4.59%	-	-
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	-			-	4.59%	-	-
2010 Q1	0.55%	4.34%	May-07	2007	Q2	-			-	4.59%	-	-
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	-			-	4.59%	-	-
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	-			-	4.59%	-	-
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	-			-	4.59%	-	-
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	-			-	4.59%	-	-
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	-			-	5.14%	-	-
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	-			-	5.14%	-	-
2011 Q4	1.47%	3.92%	Dec-07	2007	Q4	-			-	5.14%	-	-
2012 Q1	1.47%	3.92%	Jan-08	2008	Q1	-			-	5.14%	-	-
2012 Q2	1.47%	3.51%	Feb-08	2008	Q1	-			-	5.14%	-	-
2012 Q3	1.47%	3.51%	Mar-08	2008	Q1	-			-	5.14%	-	-
2012 Q4	1.47%	3.51%	Apr-08	2008	Q2	-			-	4.08%	-	-
2013 Q1	0.00%	0.00%	May-08	2008	Q2	-			-	4.08%	-	-
2013 Q2	0.00%	0.00%	Jun-08	2008	Q2	-			-	4.08%	-	-
2013 Q3	0.00%	0.00%	Jul-08	2008	Q3	-			-	3.35%	-	-
2013 Q4	0.00%	0.00%	Aug-08	2008	Q3	-			-	3.35%	-	-
			Sep-08	2008	Q3	-			-	3.35%	-	-

Oct-08	2008	Q4	-			-	3.35%	-	-
Nov-08	2008	Q4	-			-	3.35%	-	-
Dec-08	2008	Q4	-			-	3.35%	-	-
Jan-09	2009	Q1	-			-	2.45%	-	-
Feb-09	2009	Q1	-			-	2.45%	-	-
Mar-09	2009	Q1	-			-	2.45%	-	-
Apr-09	2009	Q2	-			-	1.00%	-	-
May-09	2009	Q2	-			-	1.00%	-	-
Jun-09	2009	Q2	-			-	1.00%	-	-
Jul-09	2009	Q3	-			-	0.55%	-	-
Aug-09	2009	Q3	-			-	0.55%	-	-
Sep-09	2009	Q3	-			-	0.55%	-	-
Oct-09	2009	Q4	-			-	0.55%	-	-
Nov-09	2009	Q4	-			-	0.55%	-	-
Dec-09	2009	Q4	-			-	0.55%	-	-
Jan-10	2010	Q1	-	\$ 2.84	\$ 56.09	58.93	0.55%	-	-
Feb-10	2010	Q1	58.93	\$ 3.11	\$ 56.09	118.13	0.55%	0.03	0.03
Mar-10	2010	Q1	118.13	\$ 3.49	\$ 56.09	177.70	0.55%	0.05	0.08
Apr-10	2010	Q2	177.70	\$ 7.73	\$ 56.09	241.52	0.55%	0.08	0.16
May-10	2010	Q2	241.52	\$ 3.31	\$ 56.09	300.91	0.55%	0.11	0.27
Jun-10	2010	Q2	300.91	\$ 6.63	\$ 56.09	363.63	0.55%	0.14	0.41
Jul-10	2010	Q3	363.63	\$ 5.32	\$ 56.09	425.04	0.89%	0.27	0.68
Aug-10	2010	Q3	425.04	\$ 1.90	\$ 56.09	483.02	0.89%	0.32	1.00
Sep-10	2010	Q3	483.02	\$ 3.22	\$ 56.09	542.32	0.89%	0.36	1.35
Oct-10	2010	Q4	542.32	\$ 3.50	\$ 56.09	601.91	1.20%	0.54	1.90
Nov-10	2010	Q4	601.91	\$ 3.32	\$ 56.09	661.32	1.20%	0.60	2.50
Dec-10	2010	Q4	661.32	\$ 6.77	\$ 56.09	724.17	1.20%	0.66	3.16
Jan-11	2011	Q1	724.17	\$ 246.84	\$ 3,174.79	4,145.80	1.47%	0.89	4.05
Feb-11	2011	Q1	4,145.80	\$ 156.91	\$ 3,174.79	7,477.50	1.47%	5.08	9.13
Mar-11	2011	Q1	7,477.50	\$ 156.41	\$ 3,174.79	10,808.70	1.47%	9.16	18.29
Apr-11	2011	Q2	10,808.70	\$ 136.74	\$ 3,174.79	14,120.23	1.47%	13.24	31.53
May-11	2011	Q2	14,120.23	\$ 126.76	\$ 3,174.79	17,421.79	1.47%	17.30	48.82
Jun-11	2011	Q2	17,421.79	\$ 139.51	\$ 3,174.79	20,736.09	1.47%	21.34	70.17
Jul-11	2011	Q3	20,736.09	\$ 155.72	\$ 3,174.79	24,066.61	1.47%	25.40	95.57
Aug-11	2011	Q3	24,066.61	\$ 146.88	\$ 3,174.79	27,388.28	1.47%	29.48	125.05
Sep-11	2011	Q3	27,388.28	\$ 147.92	\$ 3,174.79	30,710.98	1.47%	33.55	158.60
Oct-11	2011	Q4	30,710.98	\$ 622.08	\$ 3,174.79	34,507.86	1.47%	37.62	196.22
Nov-11	2011	Q4	34,507.86	\$ 150.53	\$ 3,174.79	37,833.17	1.47%	42.27	238.49
Dec-11	2011	Q4	37,833.17	\$ 173.68	\$ 3,174.79	41,181.64	1.47%	46.35	284.84
Jan-12	2012	Q1	41,181.64	\$ 275.60	\$ 6,368.18	47,825.43	1.47%	50.45	335.29
Feb-12	2012	Q1	47,825.43	\$ 269.49	\$ 6,368.18	54,463.10	1.47%	58.59	393.87
Mar-12	2012	Q1	54,463.10	\$ 157.22	\$ 6,368.18	60,988.50	1.47%	66.72	460.59
Apr-12	2012	Q2	60,988.50	\$ 231.84	\$ 6,368.18	67,588.52	1.47%	74.71	535.30
May-12	2012	Q2	67,588.52	\$ 231.84	\$ 6,368.18	74,188.54	1.47%	82.80	618.10
Jun-12	2012	Q2	74,188.54	\$ 212.20	\$ 6,368.18	80,768.93	1.47%	90.88	708.98
Jul-12	2012	Q3	80,768.93	\$ 279.69	\$ 6,368.18	87,416.81	1.47%	98.94	807.92
Aug-12	2012	Q3	87,416.81	\$ 156.65	\$ 6,368.18	93,941.65	1.47%	107.09	915.00
Sep-12	2012	Q3	93,941.65	\$ 218.86	\$ 6,368.18	100,528.69	1.47%	115.08	1,030.08
Oct-12	2012	Q4	100,528.69	\$ 225.93	\$ 6,368.18	107,122.81	1.47%	123.15	1,153.23
Nov-12	2012	Q4	107,122.81	\$ 225.93	\$ 6,368.18	113,716.92	1.47%	131.23	1,284.46
Dec-12	2012	Q4	113,716.92	\$ 225.93	\$ 6,368.18	120,311.04	1.47%	139.30	1,423.76
Jan-13	2013	Q1	120,311.04	\$ 491.36	\$ 6,498.95	127,301.35	0.00%	-	1,423.76
Feb-13	2013	Q1	127,301.35	\$ 491.36	\$ 6,498.95	134,291.66	0.00%	-	1,423.76
Mar-13	2013	Q1	134,291.66	\$ 491.36	\$ 6,498.95	141,281.97	0.00%	-	1,423.76
Apr-13	2013	Q2	141,281.97	\$ 491.36	\$ 6,498.95	148,272.28	0.00%	-	1,423.76
May-13	2013	Q2	148,272.28	\$ 491.36	\$ 6,498.95	155,262.59	0.00%	-	1,423.76
Jun-13	2013	Q2	155,262.59	\$ 491.36	\$ 6,498.95	162,252.90	0.00%	-	1,423.76
Jul-13	2013	Q3	162,252.90	\$ 491.36	\$ 6,498.95	169,243.21	0.00%	-	1,423.76
Aug-13	2013	Q3	169,243.21	\$ 491.36	\$ 6,498.95	176,233.52	0.00%	-	1,423.76
Sep-13	2013	Q3	176,233.52	\$ 491.36	\$ 6,498.95	183,223.83	0.00%	-	1,423.76

	Oct-13	2013	Q4	183,223.83	\$	491.36	\$	6,498.95	190,214.14	0.00%	-	1,423.76
	Nov-13	2013	Q4	190,214.14	\$	491.36	\$	6,498.95	197,204.45	0.00%	-	1,423.76
	Dec-13	2013	Q4	197,204.45	\$	491.36	\$	6,498.95	204,194.76	0.00%	-	1,423.76
					\$	5,122.30	\$	115,188.74	\$	120,311.04		



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the interest on OM&A and amortization/depreciation expense, in the absence of monthly data.

Year	OM&A (from Sheet 5)	Amortization Expense (from Sheet 5)	Cumulative OM&A and Amortization Expense	Average Cumulative OM&A and Amortization Expense	Average Annual Prescribed Interest Rate for Deferral and Variance Accounts (from Sheets 8A and 8B)	Simple Interest on OM&A and Amortization Expenses
2006	\$ -	\$ -	\$ -	\$ -	4.37%	\$ -
2007	\$ -	\$ -	\$ -	\$ -	4.73%	\$ -
2008	\$ -	\$ -	\$ -	\$ -	3.98%	\$ -
2009	\$ -	\$ -	\$ -	\$ -	1.14%	\$ -
2010	\$ 51.15	\$ 673.02	\$ 724.17	\$ 362.08	0.80%	\$ 2.89
2011	\$ 2,359.97	\$ 38,097.51	\$ 41,181.64	\$ 20,952.90	1.47%	\$ 308.01
2012	\$ 2,711.19	\$ 76,418.21	\$ 120,311.04	\$ 80,746.34	1.47%	\$ 1,186.97
2013	\$ 5,896.28	\$ 77,987.44	\$ 204,194.76	\$ 162,252.90	0.00%	\$ -
Cumulative Interest to 2011						\$ 310.90
Cumulative Interest to 2012						\$ 1,497.87
Cumulative Interest to 2013						\$ 1,497.87



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the Smart Meter Disposition Rider and the Smart Meter Incremental Revenue Requirement Rate Rider, if applicable. This worksheet also calculates any new Smart Meter Funding Adder that a distributor may wish to request. However, please note that in many 2011 IRM decisions, the Board noted that current funding adders will cease on April 30, 2011 and that the Board's expectation is that distributors will file for a final review of prudence at the earliest opportunity. The Board also noted that the SMFA is a tool designed to provide advance funding and to mitigate the anticipated rate impact of smart meter costs when recovery of those costs is approved by the Board. The Board observed that the SMFA was not intended to be compensatory (return on and of capital) on a cumulative basis over the term the SMFA was in effect. The SMFA was initially designed to fund future investment, and not fully fund prior capital investment. Distributors that seek a new SMFA should provide evidence to support its proposal. This would include documentation of where the distributor is with respect to its smart meter deployment program, and reasons as to why the distributor's circumstances are such that continuation of the SMFA is warranted. Press the "UPDATE WORKSHEET" button after choosing the applicable adders/riders.

Check if
applicable

☐ Smart Meter Funding Adder (SMFA)

☒ Smart Meter Disposition Rider (SMDR)

The SMDR is calculated based on costs to December 31, 2011

☒ Smart Meter Incremental Revenue Requirement Rate Rider (SMIRR)

The SMIRR is calculated based on the incremental revenue requirement associated with the recovery of capital related costs to December 31, 2012 and associated OM&A.

	2006	2007	2008	2009	2010	2011	2012	2013	Total
Deferred and forecasted Smart Meter Incremental Revenue Requirement (from Sheet 5)	\$ -	\$ -	\$ -	\$ -	\$ 1,595.15	\$ 88,219.12	\$ 171,890.38	\$ 174,249.83	\$ 261,704.65
Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check one of the boxes below)	\$ -	\$ -	\$ -	\$ -	\$ 3.16	\$ 281.68	\$ 1,138.92		\$ 1,423.76
<input checked="" type="checkbox"/> Sheet 8A (Interest calculated on monthly balances)	\$ -	\$ -	\$ -	\$ -	\$ 3.16	\$ 281.68	\$ 1,138.92	\$ -	\$ 1,423.76
<input type="checkbox"/> Sheet 8B (Interest calculated on average annual balances)									
SMFA Revenues (from Sheet 8)	\$ -	\$ -	\$ -	\$ -	\$ 17,840.25	\$ 24,161.00	\$ 296.00	\$ -	\$ 42,297.25
SMFA Interest (from Sheet 8)	\$ -	\$ -	\$ -	\$ -	\$ 77.23	\$ 410.19	\$ 621.36	\$ -	\$ 1,108.78
Net Deferred Revenue Requirement	\$ -	\$ -	\$ -	\$ -	\$ 16,319.17	\$ 63,929.61	\$ 172,111.94	\$ 174,249.83	\$ 219,722.38

Number of Metered Customers (average for 2013 test year)

- Number of metered customers for which smart meter were deployed as part of program). Residential and GS < 50 kW customer classes and any other metered classes involved (e.g. GS 50 to 4999 kW for which interval meters were upgraded to utilize AMI and ODS assets)

1521

Calculation of Smart Meter Disposition Rider (per metered customer per month)

Years for collection or refunding	0.666666667	
Deferred Incremental Revenue Requirement from 2006 to December 31, 2012 plus Interest on OM&A and Amortization	\$ 263,128.41	
SMFA Revenues collected from 2006 to 2013 test year (inclusive) Plus Simple Interest on SMFA Revenues	\$ 43,406.03	
Net Deferred Revenue Requirement	\$ 219,722.38	} Match
SMDR May 1, 2013 to December 31, 2013	\$ 18.06	
Check: Forecasted SMDR Revenues	\$ 219,754.08	

Calculation of Smart Meter Incremental Revenue Requirement Rate Rider (per metered customer per month)

Incremental Revenue Requirement for 2013	\$ 174,249.83	} Match
SMIRR	\$ 9.55	
Check: Forecasted SMIRR Revenues	\$ 174,306.60	



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the class-specific SMDRs according to accepted practice. A distributor may choose to use its own methodology, but should provide analogous support for its allocation and derivation of class-specific SMDRs and SMIRRs.

Class-specific SMDRs

Revenue Requirement for Historical Years	2006	2007	2008	2009	2010	2011	2012	Total 2006 to 2012	Explanation / Allocator Check Row if SMDR/SMIRR apply to class	Residential	GS < 50 kW	GS 50 to 4999 kW
										X		X
										%	%	%
Return on Capital	\$ -	\$ -	\$ -	\$ -	\$ 758.86	\$ 42,336.84	\$ 82,028.89	\$ 125,124.58	Weighted Meter Cost - Capital Allocated per class	\$ -	\$ -	\$ -
Depreciation/Amortization expense and related interest	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 673.02 \$ 2.94	\$ 38,097.51 \$ 265.25	\$ 76,418.21 \$ 1,099.90		Weighted Meter Cost - Capital Allocated per class	\$ 0%	\$ 0%	\$ 0%
	\$ -	\$ -	\$ -	\$ -	\$ 675.96	\$ 38,362.76	\$ 77,518.11	\$ 116,556.82		\$ -	\$ -	\$ -
Operating Expenses and related interest	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 51.15 \$ 0.22	\$ 2,359.97 \$ 16.43	\$ 2,711.19 \$ 39.02		Number of Smart Meters installed by Class	#	#	#



Smart Meter Model for Electricity Distributors (2013 Filers)

This worksheet calculates the class-specific SMIRRs according to accepted practice. A distributor may choose to use its own methodology, but should provide analogous support for its allocation and derivation of class-specific SMDRs and SMIRRs.

Class-specific SMDRs

Revenue Requirement for 2013

	2013	Explanation / Allocator	Residential	GS < 50 kW	GS 50 to 4999 kW
		Check Row if SMDR/SMIRR apply to class	X		X
			%	%	%
Return on Capital	\$ 77,950.33	Weighted Meter Cost - Capital Allocated per class	\$ 0.00% -	\$ 0.00% -	\$ 0.00% -
Depreciation/Amortization expense	\$ 77,987.44	Weighted Meter Cost - Capital Allocated per class	\$ 0.00% -	\$ 0.00% -	\$ 0.00% -
Operating Expenses	\$ 5,896.28	Number of Smart Meters installed by Class	# -	# -	# -

**APPENDIX C – HOBNI SMART METER 2010 STUB YEAR
MODEL**

Smart Meter Stub Year (2010) Calculations

Smart Meter Costs Recovery:

2010 Rate Year Entitlement (2009 Capital)

3,098,675

Smart Meter Fixed Asset Continuity 2006 to 2009 Capital

For Accounting

	Amortization Period	Opening Balance	Actual 2006 Additions	Actual Amortization For 2006	2006 Net Book Value	2006 Average NBV
OH & UG Services		-	-	-	-	-
Smart meters-1860		-	-	-	-	-
Computers-1920 - HDW		-	-	-	-	-
Computers-1925 - SFT		-	-	-	-	-
Tools, Shops - 1940		-	-	-	-	-
		-	-	-	-	-

	Amortization Period	Opening Balance	Actual 2007 Additions	Actual Amortization For 2007	2007 Net Book Value	2007 Average NBV
OH & UG Services		-	-	-	-	-
Smart meters-1860	15	-	4,302,123	143,404	4,158,719	2,079,360
Computers-1920		-	-	-	-	-
Computers-1925		-	-	-	-	-
Tools, Shops - 1940		-	-	-	-	-
		-	4,302,123	143,404	4,158,719	2,079,360

		Opening Balance	Actual 2008 Additions	Actual Amortization For 2008	2008 Net Book Value	2008 Average NBV
OH & UG Services		-	-	-	-	-
Smart meters-1860	15	4,158,719	5,908,201	483,748	9,583,172	6,870,945
Computers-1920		-	-	-	-	-
Computers-1925		-	-	-	-	-
Tools, Shops - 1940		-	-	-	-	-
		4,158,719	5,908,201	483,748	9,583,172	6,870,945

		Opening Balance	Actual 2009 Additions	Actual Amortization For 2009	2009 Net Book Value	2009 Average NBV
OH & UG Services	25	-	-	-	-	-
General Office	10	-	-	-	-	-
Building Renovations	30	-	-	-	-	-
Smart meters-1860	15	9,583,172	8,663,014	969,455	17,276,730	13,429,951
Computers-1920	5	-	-	-	-	-
Computers-1925	5	-	-	-	-	-
Tools, Shops - 1940	10	-	-	-	-	-
		9,583,172	8,663,014	969,455	17,276,730	13,429,951

		Opening Balance	Forecast 2010 Additions	Forecast Amortization For 2010	2010 Net Book Value	2010 Average NBV
OH & UG Services	25	-	-	-	-	-
General Office	10	-	-	-	-	-
Building Renovations	30	-	-	-	-	-
Smart meters-1860	15	17,276,730	-	1,258,223	16,018,508	16,647,619
Computers-1920	5	-	-	-	-	-
Computers-1925	5	-	-	-	-	-
Tools, Shops - 1940	10	-	-	-	-	-
		17,276,730	-	1,258,223	16,018,508	16,647,619

Smart Meter Fixed Asset Continuity 2006 to 2009 Capital

For Tax Purposes

	CCA Class	CCA Rate	Opening UCC Balance	2006 Actual Additions	CCA For Opening UCC	CCA For 2006 Additions	Total CCA - 2006	Closing UCC Balance
OH & UG Services	Class 47	8%	0	-	-	-	-	-
Smart meters-1860	Class 47	8%	0	-	-	-	-	-
Computers-1920	Class 45.1	55%	0	-	-	-	-	-
Computers-1925	Class 12	100%	0	-	-	-	-	-
Tools, Shops - 1940	Class 8	20%	0	-	-	-	-	-
			0	-	-	-	-	-

	CCA Class	CCA Rate	Opening UCC Balance	2007 Actual Additions	CCA For Opening UCC	CCA For 2007 Additions	Total CCA - 2007	Closing UCC Balance
OH & UG Services	Class 47	8%	-	-	-	-	-	-
Smart meters-1860	Class 47	8%	-	4,302,123	-	172,085	172,085	4,130,038
Computers-1920	Class 45.1	55%	-	-	-	-	-	-
Computers-1925	Class 12	100%	-	-	-	-	-	-
Tools, Shops - 1940	Class 8	20%	-	-	-	-	-	-
			-	4,302,123	-	172,085	172,085	4,130,038

	CCA Class	CCA Rate	Opening UCC Balance	2008 Actual Additions	CCA For Opening UCC	CCA For 2008 Additions	Total CCA - 2008	Closing UCC Balance
OH & UG Services	Class 47	8%	-	-	-	-	-	-
Smart meters-1860	Class 47	8%	4,130,038	5,908,201	330,403	236,328	566,731	9,471,508
Computers-1920	Class 45.1	55%	-	-	-	-	-	-
Computers-1925	Class 12	100%	-	-	-	-	-	-
Tools, Shops - 1940	Class 8	20%	-	-	-	-	-	-
			4,130,038	5,908,201	330,403	236,328	566,731	9,471,508

	CCA Class	CCA Rate	Opening UCC Balance	2009 Actual Additions	CCA For Opening UCC	CCA For 2009 Additions	Total CCA - 2009	Closing UCC Balance
OH & UG Services	Class 47	8%	-	-	-	-	-	-
General Office	Class 8	20%	-	-	-	-	-	-
Building Renovations	Class 6	10%	-	-	-	-	-	-
Smart meters-1860	Class 47	8%	9,471,508	8,663,014	757,721	346,521	1,104,241	17,030,281
Computers-1921	Class 45.1	55%	-	-	-	-	-	-
Computers-1925	Class 12	100%	-	-	-	-	-	-
Tools, Shops - 1940	Class 8	20%	-	-	-	-	-	-
			9,471,508	8,663,014	757,721	346,521	1,104,241	17,030,281

	CCA Class	CCA Rate	Opening UCC Balance	2010 Forecast Additions	CCA For Opening UCC	CCA For 2010 Additions	Total CCA - 2010	Closing UCC Balance
OH & UG Services	Class 47	8%	-	-	-	-	-	-
General Office	Class 8	20%	-	-	-	-	-	-
Building Renovations	Class 6	10%	-	-	-	-	-	-
Smart meters-1860	Class 47	8%	17,030,281	-	1,362,422	-	1,362,422	15,667,858
Computers-1920	Class 45.1	55%	-	-	-	-	-	-
Computers-1925	Class 12	100%	-	-	-	-	-	-
Tools, Shops - 1940	Class 8	20%	-	-	-	-	-	-
			17,030,281	-	1,362,422	-	1,362,422	15,667,858

2012 Smart Meter Revenue Requirement Calculations

[illegible]

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP		Date	Year	Quarter	Opening Balance (Principal)		OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
2006 Q1	0.00%	0.00%		Jan-06	2006	Q1	\$ -				-	0.00%	-	-
2006 Q2	4.14%	4.68%		Feb-06	2006	Q1	-				-	0.00%	-	-
2006 Q3	4.59%	5.05%		Mar-06	2006	Q1	-				-	0.00%	-	-
2006 Q4	4.59%	4.72%		Apr-06	2006	Q2	-				-	4.14%	-	-
2007 Q1	4.59%	4.72%		May-06	2006	Q2	-				-	4.14%	-	-
2007 Q2	4.59%	4.72%		Jun-06	2006	Q2	-				-	4.14%	-	-
2007 Q3	4.59%	5.18%		Jul-06	2006	Q3	-				-	4.59%	-	-
2007 Q4	5.14%	5.18%		Aug-06	2006	Q3	-				-	4.59%	-	-
2008 Q1	5.14%	5.18%		Sep-06	2006	Q3	-				-	4.59%	-	-
2008 Q2	4.08%	5.18%		Oct-06	2006	Q4	-				-	4.59%	-	-
2008 Q3	3.35%	5.43%		Nov-06	2006	Q4	-				-	4.59%	-	-
2008 Q4	3.35%	5.43%		Dec-06	2006	Q4	-				-	4.59%	-	-
2009 Q1	2.45%	6.61%		Jan-07	2007	Q1	-				-	4.59%	-	-
2009 Q2	1.00%	6.61%		Feb-07	2007	Q1	-				-	4.59%	-	-
2009 Q3	0.55%	5.67%		Mar-07	2007	Q1	-				-	4.59%	-	-
2009 Q4	0.55%	4.66%		Apr-07	2007	Q2	-				-	4.59%	-	-
2010 Q1	0.55%	4.34%		May-07	2007	Q2	-				-	4.59%	-	-
2010 Q2	0.55%	4.34%		Jun-07	2007	Q2	-				-	4.59%	-	-
2010 Q3	0.89%	4.66%		Jul-07	2007	Q3	-				-	4.59%	-	-
2010 Q4	1.20%	4.01%		Aug-07	2007	Q3	-				-	4.59%	-	-
2011 Q1	1.47%	4.29%		Sep-07	2007	Q3	-				-	4.59%	-	-
2011 Q2	1.47%	4.29%		Oct-07	2007	Q4	-				-	5.14%	-	-
2011 Q3	1.47%	4.29%		Nov-07	2007	Q4	-				-	5.14%	-	-
2011 Q4	1.47%	3.92%		Dec-07	2007	Q4	-				-	5.14%	-	-
2012 Q1	1.47%	3.92%		Jan-08	2008	Q1	-				-	5.14%	-	-
2012 Q2	1.47%	3.51%		Feb-08	2008	Q1	-				-	5.14%	-	-
2012 Q3	1.47%	3.51%		Mar-08	2008	Q1	-				-	5.14%	-	-
2012 Q4	1.47%	3.51%		Apr-08	2008	Q2	-				-	4.08%	-	-
2013 Q1	0.00%	0.00%		May-08	2008	Q2	-				-	4.08%	-	-
2013 Q2	0.00%	0.00%		Jun-08	2008	Q2	-				-	4.08%	-	-
2013 Q3	0.00%	0.00%		Jul-08	2008	Q3	-				-	3.35%	-	-
2013 Q4	0.00%	0.00%		Aug-08	2008	Q3	-				-	3.35%	-	-
				Sep-08	2008	Q3	-				-	3.35%	-	-
				Oct-08	2008	Q4	-				-	3.35%	-	-
				Nov-08	2008	Q4	-				-	3.35%	-	-
				Dec-08	2008	Q4	-				-	3.35%	-	-
				Jan-09	2009	Q1	-				-	2.45%	-	-
				Feb-09	2009	Q1	-				-	2.45%	-	-
				Mar-09	2009	Q1	-				-	2.45%	-	-
				Apr-09	2009	Q2	-				-	1.00%	-	-
				May-09	2009	Q2	-				-	1.00%	-	-

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
			Jun-09	2009	Q2	-			-	1.00%	-	-
			Jul-09	2009	Q3	-			-	0.55%	-	-
			Aug-09	2009	Q3	-			-	0.55%	-	-
			Sep-09	2009	Q3	-			-	0.55%	-	-
			Oct-09	2009	Q4	-			-	0.55%	-	-
			Nov-09	2009	Q4	-			-	0.55%	-	-
			Dec-09	2009	Q4	-			-	0.55%	-	-
			Jan-10	2010	Q1	-	\$ 18,115.92	\$ 104,851.88	122,967.80	0.55%	-	-
			Feb-10	2010	Q1	122,967.80	\$ 19,844.98	\$ 104,851.88	247,664.66	0.55%	56.36	56.36
			Mar-10	2010	Q1	247,664.66	\$ 22,228.12	\$ 104,851.88	374,744.66	0.55%	113.51	169.87
			Apr-10	2010	Q2	374,744.66	\$ 49,255.24	\$ 104,851.88	528,851.77	0.55%	171.76	341.63
			May-10	2010	Q2	528,851.77	\$ 21,102.59	\$ 104,851.88	654,806.24	0.55%	242.39	584.02
			Jun-10	2010	Q2	654,806.24	\$ 42,265.12	\$ 104,851.88	801,923.24	0.55%	300.12	884.14
			Jul-10	2010	Q3	801,923.24	\$ 33,918.14	\$ 104,851.88	940,693.25	0.89%	594.76	1,478.90
			Aug-10	2010	Q3	940,693.25	\$ 12,104.82	\$ 104,851.88	1,057,649.95	0.89%	697.68	2,176.58
			Sep-10	2010	Q3	1,057,649.95	\$ 20,493.36	\$ 104,851.88	1,182,995.19	0.89%	784.42	2,961.01
			Oct-10	2010	Q4	1,182,995.19	\$ 22,309.14	\$ 104,851.88	1,310,156.21	1.20%	1,183.00	4,144.00
			Nov-10	2010	Q4	1,310,156.21	\$ 21,161.08	\$ 104,851.88	1,436,169.17	1.20%	1,310.16	5,454.16
			Dec-10	2010	Q4	1,436,169.17	\$ 43,115.51	\$ 104,851.88	1,584,136.56	1.20%	1,436.17	6,890.33
			Jan-11	2011	Q1	1,584,136.56			1,584,136.56	1.47%	1,940.57	8,830.89
			Feb-11	2011	Q1	1,584,136.56			1,584,136.56	1.47%	1,940.57	10,771.46
			Mar-11	2011	Q1	1,584,136.56			1,584,136.56	1.47%	1,940.57	12,712.03
			Apr-11	2011	Q2	1,584,136.56			1,584,136.56	1.47%	1,940.57	14,652.60
			May-11	2011	Q2	1,584,136.56			1,584,136.56	1.47%	1,940.57	16,593.16
			Jun-11	2011	Q2	1,584,136.56			1,584,136.56	1.47%	1,940.57	18,533.73
			Jul-11	2011	Q3	1,584,136.56			1,584,136.56	1.47%	1,940.57	20,474.30
			Aug-11	2011	Q3	1,584,136.56			1,584,136.56	1.47%	1,940.57	22,414.86
			Sep-11	2011	Q3	1,584,136.56			1,584,136.56	1.47%	1,940.57	24,355.43
			Oct-11	2011	Q4	1,584,136.56			1,584,136.56	1.47%	1,940.57	26,296.00
			Nov-11	2011	Q4	1,584,136.56			1,584,136.56	1.47%	1,940.57	28,236.57
			Dec-11	2011	Q4	1,584,136.56			1,584,136.56	1.47%	1,940.57	30,177.13
			Jan-12	2012	Q1	1,584,136.56			1,584,136.56	1.47%	1,940.57	32,117.70
			Feb-12	2012	Q1	1,584,136.56			1,584,136.56	1.47%	1,940.57	34,058.27
			Mar-12	2012	Q1	1,584,136.56			1,584,136.56	1.47%	1,940.57	35,998.84
			Apr-12	2012	Q2	1,584,136.56			1,584,136.56	1.47%	1,940.57	37,939.40
			May-12	2012	Q2	1,584,136.56			1,584,136.56	1.47%	1,940.57	39,879.97
			Jun-12	2012	Q2	1,584,136.56			1,584,136.56	1.47%	1,940.57	41,820.54
			Jul-12	2012	Q3	1,584,136.56			1,584,136.56	1.47%	1,940.57	43,761.10
			Aug-12	2012	Q3	1,584,136.56			1,584,136.56	1.47%	1,940.57	45,701.67
			Sep-12	2012	Q3	1,584,136.56			1,584,136.56	1.47%	1,940.57	47,642.24
			Oct-12	2012	Q4	1,584,136.56			1,584,136.56	1.47%	1,940.57	49,582.81

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP				Opening Balance	Amortization /		(Annual)	Interest (on	Cumulative Interest	
			Date	Year	Quarter	(Principal)	OM&A Expenses	Depreciation Expense	Closing Balance (Principal)	Interest Rate		opening balance)
			Nov-12	2012	Q4	1,584,136.56			1,584,136.56	1.47%	1,940.57	51,523.37
			Dec-12	2012	Q4	1,584,136.56			1,584,136.56	1.47%	1,940.57	53,463.94
			Jan-13	2013	Q1	1,584,136.56			1,584,136.56	1.47%	1,940.57	55,404.51
			Feb-13	2013	Q1	1,584,136.56			1,584,136.56	1.47%	1,940.57	57,345.08
			Mar-13	2013	Q1	1,584,136.56			1,584,136.56	1.47%	1,940.57	59,285.64
			Apr-13	2013	Q2	1,584,136.56			1,584,136.56	1.47%	1,940.57	61,226.21
			May-13	2013	Q2	1,584,136.56			1,584,136.56	0.00%	-	61,226.21
			Jun-13	2013	Q2	1,584,136.56			1,584,136.56	0.00%	-	61,226.21
			Jul-13	2013	Q3	1,584,136.56			1,584,136.56	0.00%	-	61,226.21
			Aug-13	2013	Q3	1,584,136.56			1,584,136.56	0.00%	-	61,226.21
			Sep-13	2013	Q3	1,584,136.56			1,584,136.56	0.00%	-	61,226.21
			Oct-13	2013	Q4	1,584,136.56			1,584,136.56	0.00%	-	61,226.21
			Nov-13	2013	Q4	1,584,136.56			1,584,136.56	0.00%	-	61,226.21
			Dec-13	2013	Q4	1,584,136.56			1,584,136.56	0.00%	-	61,226.21
							\$ 325,914.03	\$ 1,258,222.53	\$ 1,584,136.56		\$ 61,226.21	

**APPENDIX D – CARRYING CHARGES FOR JANUARY 1, 2013
TO APRIL 30, 2013 FOR DEPRECIATION AND OM&A
EXPENSES RELATED TO SMART METER ADDITIONS FROM
2010 TO 2012**

Summary of Carrying Charges for OM&A, Depreciation and Funding Adders for Jan to Apr 2013

Carrying Charges From January 2013 to April 2013

Residential & GS<50 (Incremental)	GS>50	Total
(12,155)	434	(11,722)

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges for Residential & General Service Less Than 50 kW

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
2006 Q1	0.00%	0.00%	Jan-06	2006	Q1	\$ -			-	0.00%	-	-
2006 Q2	4.14%	4.68%	Feb-06	2006	Q1	-			-	0.00%	-	-
2006 Q3	4.59%	5.05%	Mar-06	2006	Q1	-			-	0.00%	-	-
2006 Q4	4.59%	4.72%	Apr-06	2006	Q2	-			-	4.14%	-	-
2007 Q1	4.59%	4.72%	May-06	2006	Q2	-			-	4.14%	-	-
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	-			-	4.14%	-	-
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	-			-	4.59%	-	-
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	-			-	4.59%	-	-
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	-			-	4.59%	-	-
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	-			-	4.59%	-	-
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	-			-	4.59%	-	-
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	-			-	4.59%	-	-
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	-			-	4.59%	-	-
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	-			-	4.59%	-	-
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	-			-	4.59%	-	-
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	-			-	4.59%	-	-
2010 Q1	0.55%	4.34%	May-07	2007	Q2	-			-	4.59%	-	-
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	-			-	4.59%	-	-
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	-			-	4.59%	-	-
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	-			-	4.59%	-	-
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	-			-	4.59%	-	-
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	-			-	5.14%	-	-
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	-			-	5.14%	-	-
2011 Q4	1.47%	3.92%	Dec-07	2007	Q4	-			-	5.14%	-	-
2012 Q1	1.47%	3.92%	Jan-08	2008	Q1	-			-	5.14%	-	-
2012 Q2	1.47%	3.51%	Feb-08	2008	Q1	-			-	5.14%	-	-
2012 Q3	1.47%	3.51%	Mar-08	2008	Q1	-			-	5.14%	-	-
2012 Q4	1.47%	3.51%	Apr-08	2008	Q2	-			-	4.08%	-	-
2013 Q1	0.00%	0.00%	May-08	2008	Q2	-			-	4.08%	-	-
2013 Q2	0.00%	0.00%	Jun-08	2008	Q2	-			-	4.08%	-	-
2013 Q3	0.00%	0.00%	Jul-08	2008	Q3	-			-	3.35%	-	-
2013 Q4	0.00%	0.00%	Aug-08	2008	Q3	-			-	3.35%	-	-
			Sep-08	2008	Q3	-			-	3.35%	-	-
			Oct-08	2008	Q4	-			-	3.35%	-	-

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges for Residential & General Service Less Than 50 kW

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
			Nov-08	2008	Q4	-			-	3.35%	-	-
			Dec-08	2008	Q4	-			-	3.35%	-	-
			Jan-09	2009	Q1	-			-	2.45%	-	-
			Feb-09	2009	Q1	-			-	2.45%	-	-
			Mar-09	2009	Q1	-			-	2.45%	-	-
			Apr-09	2009	Q2	-			-	1.00%	-	-
			May-09	2009	Q2	-			-	1.00%	-	-
			Jun-09	2009	Q2	-			-	1.00%	-	-
			Jul-09	2009	Q3	-			-	0.55%	-	-
			Aug-09	2009	Q3	-			-	0.55%	-	-
			Sep-09	2009	Q3	-			-	0.55%	-	-
			Oct-09	2009	Q4	-			-	0.55%	-	-
			Nov-09	2009	Q4	-			-	0.55%	-	-
			Dec-09	2009	Q4	-			-	0.55%	-	-
			Jan-10	2010	Q1	-	\$ 1,339.39	\$ 10,876.24	12,215.63	0.55%	-	-
			Feb-10	2010	Q1	12,215.63	\$ 1,467.22	\$ 12,505.96	26,188.80	0.55%	5.60	5.60
			Mar-10	2010	Q1	26,188.80	\$ 1,643.42	\$ 5,391.96	33,224.19	0.55%	12.00	17.60
			Apr-10	2010	Q2	33,224.19	\$ 3,641.65	\$ 9,466.60	46,332.43	0.55%	15.23	32.83
			May-10	2010	Q2	46,332.43	\$ 1,560.20	\$ 5,836.20	53,728.83	0.55%	21.24	54.07
			Jun-10	2010	Q2	53,728.83	\$ 3,124.84	\$ 10,876.80	67,730.47	0.55%	24.63	78.69
			Jul-10	2010	Q3	67,730.47	\$ 2,507.71	\$ 5,142.65	75,380.83	0.89%	50.23	128.92
			Aug-10	2010	Q3	75,380.83	\$ 894.96	\$ 7,652.38	83,928.18	0.89%	55.91	184.83
			Sep-10	2010	Q3	83,928.18	\$ 1,515.16	\$ 7,303.24	92,746.58	0.89%	62.25	247.08
			Oct-10	2010	Q4	92,746.58	\$ 1,649.41	\$ 8,917.88	103,313.87	1.20%	92.75	339.83
			Nov-10	2010	Q4	103,313.87	\$ 1,564.53	\$ 19,633.60	124,512.00	1.20%	103.31	443.14
			Dec-10	2010	Q4	124,512.00	\$ 3,187.71	\$ 12,418.44	140,118.15	1.20%	124.51	567.65
			Jan-11	2011	Q1	140,118.15	\$ 2,941.64	\$ 24,563.79	167,623.58	1.47%	171.64	739.30
			Feb-11	2011	Q1	167,623.58	\$ 1,869.92	\$ 22,936.44	192,429.94	1.47%	205.34	944.63
			Mar-11	2011	Q1	192,429.94	\$ 1,864.02	\$ 27,922.49	222,216.46	1.47%	235.73	1,180.36
			Apr-11	2011	Q2	222,216.46	\$ 1,629.60	\$ 21,394.85	245,240.91	1.47%	272.22	1,452.58
			May-11	2011	Q2	245,240.91	\$ 1,510.68	\$ 23,805.83	270,557.42	1.47%	300.42	1,753.00
			Jun-11	2011	Q2	270,557.42	\$ 1,662.63	\$ 21,694.59	293,914.63	1.47%	331.43	2,084.43
			Jul-11	2011	Q3	293,914.63	\$ 1,855.79	\$ 22,193.09	317,963.51	1.47%	360.05	2,444.48
			Aug-11	2011	Q3	317,963.51	\$ 1,750.38	\$ 21,352.70	341,066.58	1.47%	389.51	2,833.98

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges for Residential & General Service Less Than 50 kW

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
			Sep-11	2011	Q3	341,066.58	\$ 1,762.77	\$ 20,726.55	363,555.90	1.47%	417.81	3,251.79
			Oct-11	2011	Q4	363,555.90	\$ 7,413.57	\$ 150,424.36	521,393.83	1.47%	445.36	3,697.14
			Nov-11	2011	Q4	521,393.83	\$ 1,793.87	\$ 17,221.66	540,409.36	1.47%	638.71	4,335.85
			Dec-11	2011	Q4	540,409.36	\$ 2,069.76	\$ 36,808.25	579,287.37	1.47%	662.00	4,997.85
			Jan-12	2012	Q1	579,287.37	\$ 3,092.82	\$ 54,486.82	636,867.02	1.47%	709.63	5,707.48
			Feb-12	2012	Q1	636,867.02	\$ 3,024.19	\$ 55,080.67	694,971.88	1.47%	780.16	6,487.64
			Mar-12	2012	Q1	694,971.88	\$ 1,764.31	\$ 48,283.26	745,019.45	1.47%	851.34	7,338.98
			Apr-12	2012	Q2	745,019.45	\$ 2,601.72	\$ 46,011.85	793,633.03	1.47%	912.65	8,251.63
			May-12	2012	Q2	793,633.03	\$ 2,601.72	\$ 47,708.01	843,942.76	1.47%	972.20	9,223.83
			Jun-12	2012	Q2	843,942.76	\$ 2,381.39	\$ 42,896.66	889,220.80	1.47%	1,033.83	10,257.66
			Jul-12	2012	Q3	889,220.80	\$ 3,138.76	\$ 58,311.88	950,671.43	1.47%	1,089.30	11,346.96
			Aug-12	2012	Q3	950,671.43	\$ 1,757.97	\$ 51,099.48	1,003,528.88	1.47%	1,164.57	12,511.53
			Sep-12	2012	Q3	1,003,528.88	\$ 2,456.08	\$ 52,006.13	1,057,991.09	1.47%	1,229.32	13,740.85
			Oct-12	2012	Q4	1,057,991.09	\$ 2,535.44	\$ 51,309.30	1,111,835.83	1.47%	1,296.04	15,036.89
			Nov-12	2012	Q4	1,111,835.83	\$ 2,535.44	\$ 19,927.50	1,134,298.77	1.47%	1,362.00	16,398.89
			Dec-12	2012	Q4	1,134,298.77	\$ 2,535.44	\$ 51,309.30	1,188,143.50	1.47%	1,389.52	17,788.41
			Jan-13	2013	Q1	1,188,143.50	\$ 5,514.06	\$ 47,234.71	1,240,892.27	1.47%	1,455.48	19,243.88
			Feb-13	2013	Q1	1,240,892.27	\$ 5,514.06	\$ 47,234.71	1,293,641.03	1.47%	1,520.09	20,763.97
			Mar-13	2013	Q1	1,293,641.03	\$ 5,514.06	\$ 47,234.71	1,346,389.80	1.47%	1,584.71	22,348.68
			Apr-13	2013	Q2	1,346,389.80	\$ 5,514.06	\$ 47,234.71	1,399,138.56	1.47%	1,649.33	23,998.01
			May-13	2013	Q2	1,399,138.56			1,399,138.56	0.00%	-	23,998.01
			Jun-13	2013	Q2	1,399,138.56			1,399,138.56	0.00%	-	23,998.01
			Jul-13	2013	Q3	1,399,138.56			1,399,138.56	0.00%	-	23,998.01
			Aug-13	2013	Q3	1,399,138.56			1,399,138.56	0.00%	-	23,998.01
			Sep-13	2013	Q3	1,399,138.56			1,399,138.56	0.00%	-	23,998.01
			Oct-13	2013	Q4	1,399,138.56			1,399,138.56	0.00%	-	23,998.01
			Nov-13	2013	Q4	1,399,138.56			1,399,138.56	0.00%	-	23,998.01
			Dec-13	2013	Q4	1,399,138.56			1,399,138.56	0.00%	-	23,998.01
							\$ 104,702.33	\$ 1,294,436.23	\$ 1,399,138.56	\$ 23,998.01		

Account 1555 - Sub-account Funding Adder Revenues for Residential & General Service Less Than 50 kW

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter		Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
2006 Q1			Jan-06	2006	Q1	2006 Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q2	4.14%	4.68%	Feb-06	2006	Q1	2006 Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q3	4.59%	5.05%	Mar-06	2006	Q1	2006 Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q4	4.59%	4.72%	Apr-06	2006	Q2	2006 Q2	\$ -		4.14%	\$ -	\$ -		
2007 Q1	4.59%	4.72%	May-06	2006	Q2	2006 Q2	\$ -		4.14%	\$ -	\$ -		
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	2006 Q2	\$ -		4.14%	\$ -	\$ -		
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	2006 Q3	\$ -		4.59%	\$ -	\$ -		
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	2006 Q3	\$ -		4.59%	\$ -	\$ -		
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	2006 Q3	\$ -		4.59%	\$ -	\$ -		
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	2006 Q4	\$ -		4.59%	\$ -	\$ -		
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	2006 Q4	\$ -		4.59%	\$ -	\$ -		
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	2006 Q4	\$ -		4.59%	\$ -	\$ -	\$ -	
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	2007 Q1	\$ -		4.59%	\$ -	\$ -		
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	2007 Q1	\$ -		4.59%	\$ -	\$ -		
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	2007 Q1	\$ -		4.59%	\$ -	\$ -		
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	2007 Q2	\$ -		4.59%	\$ -	\$ -		
2010 Q1	0.55%	4.34%	May-07	2007	Q2	2007 Q2	\$ -		4.59%	\$ -	\$ -		
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	2007 Q2	\$ -		4.59%	\$ -	\$ -		
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	2007 Q3	\$ -		4.59%	\$ -	\$ -		
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	2007 Q3	\$ -		4.59%	\$ -	\$ -		
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	2007 Q3	\$ -		4.59%	\$ -	\$ -		
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	2007 Q4	\$ -		5.14%	\$ -	\$ -		
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	2007 Q4	\$ -		5.14%	\$ -	\$ -		
2011 Q4	1.47%	3.92%	Dec-07	2007	Q4	2007 Q4	\$ -		5.14%	\$ -	\$ -	\$ -	
2012 Q1	1.47%	3.92%	Jan-08	2008	Q1	2008 Q1	\$ -		5.14%	\$ -	\$ -		
2012 Q2	1.47%	3.51%	Feb-08	2008	Q1	2008 Q1	\$ -		5.14%	\$ -	\$ -		
2012 Q3	1.47%	3.51%	Mar-08	2008	Q1	2008 Q1	\$ -		5.14%	\$ -	\$ -		
2012 Q4	1.47%	3.51%	Apr-08	2008	Q2	2008 Q2	\$ -		4.08%	\$ -	\$ -		
2013 Q1	1.47%	3.51%	May-08	2008	Q2	2008 Q2	\$ -		4.08%	\$ -	\$ -		
2013 Q2	1.47%	3.51%	Jun-08	2008	Q2	2008 Q2	\$ -		4.08%	\$ -	\$ -		
2013 Q3			Jul-08	2008	Q3	2008 Q3	\$ -		3.35%	\$ -	\$ -		
2013 Q4			Aug-08	2008	Q3	2008 Q3	\$ -		3.35%	\$ -	\$ -		
			Sep-08	2008	Q3	2008 Q3	\$ -		3.35%	\$ -	\$ -		
			Oct-08	2008	Q4	2008 Q4	\$ -		3.35%	\$ -	\$ -		
			Nov-08	2008	Q4	2008 Q4	\$ -		3.35%	\$ -	\$ -		
			Dec-08	2008	Q4	2008 Q4	\$ -		3.35%	\$ -	\$ -	\$ -	
			Jan-09	2009	Q1	2009 Q1	\$ -		2.45%	\$ -	\$ -		
			Feb-09	2009	Q1	2009 Q1	\$ -		2.45%	\$ -	\$ -		
			Mar-09	2009	Q1	2009 Q1	\$ -		2.45%	\$ -	\$ -		
			Apr-09	2009	Q2	2009 Q2	\$ -		1.00%	\$ -	\$ -		
			May-09	2009	Q2	2009 Q2	\$ -		1.00%	\$ -	\$ -		
			Jun-09	2009	Q2	2009 Q2	\$ -		1.00%	\$ -	\$ -		
			Jul-09	2009	Q3	2009 Q3	\$ -		0.55%	\$ -	\$ -		
			Aug-09	2009	Q3	2009 Q3	\$ -		0.55%	\$ -	\$ -		
			Sep-09	2009	Q3	2009 Q3	\$ -		0.55%	\$ -	\$ -		

Account 1555 - Sub-account Funding Adder Revenues for Residential & General Service Less Than 50 kW

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
			Oct-09	2009	Q4	2009 Q4	\$ -	0.55%	\$ -	\$ -		
			Nov-09	2009	Q4	2009 Q4	\$ -	0.55%	\$ -	\$ -		
			Dec-09	2009	Q4	2009 Q4	\$ -	0.55%	\$ -	\$ -	\$ -	
			Jan-10	2010	Q1	2010 Q1	\$ -	0.55%	\$ -	\$ 66,404.04		
			Feb-10	2010	Q1	2010 Q1	\$ 66,404.04	0.55%	\$ 30.44	\$ 195,902.48		
			Mar-10	2010	Q1	2010 Q1	\$ 195,872.04	0.55%	\$ 89.77	\$ 325,719.81		
			Apr-10	2010	Q2	2010 Q2	\$ 325,630.04	0.55%	\$ 149.25	\$ 456,118.29		
			May-10	2010	Q2	2010 Q2	\$ 455,969.04	0.55%	\$ 208.99	\$ 586,181.03		
			Jun-10	2010	Q2	2010 Q2	\$ 585,972.04	0.55%	\$ 268.57	\$ 716,774.61		
			Jul-10	2010	Q3	2010 Q3	\$ 716,506.04	0.89%	\$ 531.41	\$ 847,382.45		
			Aug-10	2010	Q3	2010 Q3	\$ 846,851.04	0.89%	\$ 628.08	\$ 978,207.12		
			Sep-10	2010	Q3	2010 Q3	\$ 977,579.04	0.89%	\$ 725.04	\$ 1,109,456.08		
			Oct-10	2010	Q4	2010 Q4	\$ 1,108,731.04	1.20%	\$ 1,108.73	\$ 1,241,424.77		
			Nov-10	2010	Q4	2010 Q4	\$ 1,240,316.04	1.20%	\$ 1,240.32	\$ 1,373,451.36		
			Dec-10	2010	Q4	2010 Q4	\$ 1,372,211.04	1.20%	\$ 1,372.21	\$ 1,505,774.25	\$ 1,510,754.85	
			Jan-11	2011	Q1	2011 Q1	\$ 1,504,402.04	1.47%	\$ 1,842.89	\$ 1,638,982.93		
			Feb-11	2011	Q1	2011 Q1	\$ 1,637,140.04	1.47%	\$ 2,005.50	\$ 1,771,963.54		
			Mar-11	2011	Q1	2011 Q1	\$ 1,769,958.04	1.47%	\$ 2,168.20	\$ 1,905,239.24		
			Apr-11	2011	Q2	2011 Q2	\$ 1,903,071.04	1.47%	\$ 2,331.26	\$ 2,038,706.30		
			May-11	2011	Q2	2011 Q2	\$ 2,036,375.04	1.47%	\$ 2,494.56	\$ 2,206,331.60		
			Jun-11	2011	Q2	2011 Q2	\$ 2,203,837.04	1.47%	\$ 2,699.70	\$ 2,410,522.74		
			Jul-11	2011	Q3	2011 Q3	\$ 2,407,823.04	1.47%	\$ 2,949.58	\$ 2,614,722.62		
			Aug-11	2011	Q3	2011 Q3	\$ 2,611,773.04	1.47%	\$ 3,199.42	\$ 2,819,393.46		
			Sep-11	2011	Q3	2011 Q3	\$ 2,816,194.04	1.47%	\$ 3,449.84	\$ 3,024,805.88		
			Oct-11	2011	Q4	2011 Q4	\$ 3,021,356.04	1.47%	\$ 3,701.16	\$ 3,230,656.20		
			Nov-11	2011	Q4	2011 Q4	\$ 3,226,955.04	1.47%	\$ 3,953.02	\$ 3,437,199.06		
			Dec-11	2011	Q4	2011 Q4	\$ 3,433,246.04	1.47%	\$ 4,205.73	\$ 3,644,153.77	\$ 2,170,546.86	
			Jan-12	2012	Q1	2012 Q1	\$ 3,639,948.04	1.47%	\$ 4,458.94	\$ 3,752,344.98		
			Feb-12	2012	Q1	2012 Q1	\$ 3,747,886.04	1.47%	\$ 4,591.16	\$ 3,752,543.20		
			Mar-12	2012	Q1	2012 Q1	\$ 3,747,952.04	1.47%	\$ 4,591.24	\$ 3,752,528.28		
			Apr-12	2012	Q2	2012 Q2	\$ 3,747,937.04	1.47%	\$ 4,591.22	\$ 3,752,547.26		
			May-12	2012	Q2	2012 Q2	\$ 3,747,956.04	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Jun-12	2012	Q2	2012 Q2	\$ 3,747,958.04	1.47%	\$ 4,591.25	\$ 3,752,539.29		
			Jul-12	2012	Q3	2012 Q3	\$ 3,747,948.04	1.47%	\$ 4,591.24	\$ 3,752,549.28		
			Aug-12	2012	Q3	2012 Q3	\$ 3,747,958.04	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Sep-12	2012	Q3	2012 Q3	\$ 3,747,958.04	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Oct-12	2012	Q4	2012 Q4	\$ 3,747,958.04	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Nov-12	2012	Q4	2012 Q4	\$ 3,747,958.04	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Dec-12	2012	Q4	2012 Q4	\$ 3,747,958.04	1.47%	\$ 4,591.25	\$ 3,752,549.29	\$ 162,972.55	
			Jan-13	2013	Q1	2013 Q1	\$ 3,747,958.04	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Feb-13	2013	Q1	2013 Q1	\$ 3,747,958.04	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Mar-13	2013	Q1	2013 Q1	\$ 3,747,958.04	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			Apr-13	2013	Q2	2013 Q2	\$ 3,747,958.04	1.47%	\$ 4,591.25	\$ 3,752,549.29		
			May-13	2013	Q2	2013 Q2	\$ 3,747,958.04	0.00%	\$ -	\$ 3,747,958.04		
			Jun-13	2013	Q2	2013 Q2	\$ 3,747,958.04	0.00%	\$ -	\$ 3,747,958.04		

Account 1555 - Sub-account Funding Adder Revenues for Residential & General Service Less Than 50 kW

Interest Rates	Approved Deferral and Variance Accounts	CWIP					Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
			Date	Year	Quarter								
			Jul-13	2013	Q3	2013 Q3	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Aug-13	2013	Q3	2013 Q3	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Sep-13	2013	Q3	2013 Q3	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Oct-13	2013	Q4	2013 Q4	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Nov-13	2013	Q4	2013 Q4	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04		
			Dec-13	2013	Q4	2013 Q4	\$ 3,747,958.04		0.00%	\$ -	\$ 3,747,958.04	\$ 18,365.00	
Total Funding Adder Revenues Collected								\$ 3,747,958.04		\$ 114,681.22	\$ 3,862,639.26	\$ 3,862,639.26	

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges for General Service Greater Than 50 kW

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
2006 Q1	0.00%	0.00%	Jan-06	2006	Q1	\$ -			-	0.00%	-	-
2006 Q2	4.14%	4.68%	Feb-06	2006	Q1	-			-	0.00%	-	-
2006 Q3	4.59%	5.05%	Mar-06	2006	Q1	-			-	0.00%	-	-
2006 Q4	4.59%	4.72%	Apr-06	2006	Q2	-			-	4.14%	-	-
2007 Q1	4.59%	4.72%	May-06	2006	Q2	-			-	4.14%	-	-
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	-			-	4.14%	-	-
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	-			-	4.59%	-	-
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	-			-	4.59%	-	-
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	-			-	4.59%	-	-
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	-			-	4.59%	-	-
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	-			-	4.59%	-	-
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	-			-	4.59%	-	-
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	-			-	4.59%	-	-
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	-			-	4.59%	-	-
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	-			-	4.59%	-	-
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	-			-	4.59%	-	-
2010 Q1	0.55%	4.34%	May-07	2007	Q2	-			-	4.59%	-	-
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	-			-	4.59%	-	-
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	-			-	4.59%	-	-
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	-			-	4.59%	-	-
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	-			-	4.59%	-	-
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	-			-	5.14%	-	-
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	-			-	5.14%	-	-
2011 Q4	1.47%	3.92%	Dec-07	2007	Q4	-			-	5.14%	-	-
2012 Q1	1.47%	3.92%	Jan-08	2008	Q1	-			-	5.14%	-	-
2012 Q2	1.47%	3.51%	Feb-08	2008	Q1	-			-	5.14%	-	-
2012 Q3	1.47%	3.51%	Mar-08	2008	Q1	-			-	5.14%	-	-
2012 Q4	1.47%	3.51%	Apr-08	2008	Q2	-			-	4.08%	-	-
2013 Q1	0.00%	0.00%	May-08	2008	Q2	-			-	4.08%	-	-
2013 Q2	0.00%	0.00%	Jun-08	2008	Q2	-			-	4.08%	-	-
2013 Q3	0.00%	0.00%	Jul-08	2008	Q3	-			-	3.35%	-	-
2013 Q4	0.00%	0.00%	Aug-08	2008	Q3	-			-	3.35%	-	-
			Sep-08	2008	Q3	-			-	3.35%	-	-
			Oct-08	2008	Q4	-			-	3.35%	-	-
			Nov-08	2008	Q4	-			-	3.35%	-	-
			Dec-08	2008	Q4	-			-	3.35%	-	-
			Jan-09	2009	Q1	-			-	2.45%	-	-

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges for General Service Greater Than 50 kW

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
			Feb-09	2009	Q1	-			-	2.45%	-	-
			Mar-09	2009	Q1	-			-	2.45%	-	-
			Apr-09	2009	Q2	-			-	1.00%	-	-
			May-09	2009	Q2	-			-	1.00%	-	-
			Jun-09	2009	Q2	-			-	1.00%	-	-
			Jul-09	2009	Q3	-			-	0.55%	-	-
			Aug-09	2009	Q3	-			-	0.55%	-	-
			Sep-09	2009	Q3	-			-	0.55%	-	-
			Oct-09	2009	Q4	-			-	0.55%	-	-
			Nov-09	2009	Q4	-			-	0.55%	-	-
			Dec-09	2009	Q4	-			-	0.55%	-	-
			Jan-10	2010	Q1	-	\$ 2.84	\$ 56.09	58.93	0.55%	-	-
			Feb-10	2010	Q1	58.93	\$ 3.11	\$ 56.09	118.13	0.55%	0.03	0.03
			Mar-10	2010	Q1	118.13	\$ 3.49	\$ 56.09	177.70	0.55%	0.05	0.08
			Apr-10	2010	Q2	177.70	\$ 7.73	\$ 56.09	241.52	0.55%	0.08	0.16
			May-10	2010	Q2	241.52	\$ 3.31	\$ 56.09	300.91	0.55%	0.11	0.27
			Jun-10	2010	Q2	300.91	\$ 6.63	\$ 56.09	363.63	0.55%	0.14	0.41
			Jul-10	2010	Q3	363.63	\$ 5.32	\$ 56.09	425.04	0.89%	0.27	0.68
			Aug-10	2010	Q3	425.04	\$ 1.90	\$ 56.09	483.02	0.89%	0.32	1.00
			Sep-10	2010	Q3	483.02	\$ 3.22	\$ 56.09	542.32	0.89%	0.36	1.35
			Oct-10	2010	Q4	542.32	\$ 3.50	\$ 56.09	601.91	1.20%	0.54	1.90
			Nov-10	2010	Q4	601.91	\$ 3.32	\$ 56.09	661.32	1.20%	0.60	2.50
			Dec-10	2010	Q4	661.32	\$ 6.77	\$ 56.09	724.17	1.20%	0.66	3.16
			Jan-11	2011	Q1	724.17	\$ 246.84	\$ 3,174.79	4,145.80	1.47%	0.89	4.05
			Feb-11	2011	Q1	4,145.80	\$ 156.91	\$ 3,174.79	7,477.50	1.47%	5.08	9.13
			Mar-11	2011	Q1	7,477.50	\$ 156.41	\$ 3,174.79	10,808.70	1.47%	9.16	18.29
			Apr-11	2011	Q2	10,808.70	\$ 136.74	\$ 3,174.79	14,120.23	1.47%	13.24	31.53
			May-11	2011	Q2	14,120.23	\$ 126.76	\$ 3,174.79	17,421.79	1.47%	17.30	48.82
			Jun-11	2011	Q2	17,421.79	\$ 139.51	\$ 3,174.79	20,736.09	1.47%	21.34	70.17
			Jul-11	2011	Q3	20,736.09	\$ 155.72	\$ 3,174.79	24,066.61	1.47%	25.40	95.57
			Aug-11	2011	Q3	24,066.61	\$ 146.88	\$ 3,174.79	27,388.28	1.47%	29.48	125.05
			Sep-11	2011	Q3	27,388.28	\$ 147.92	\$ 3,174.79	30,710.98	1.47%	33.55	158.60
			Oct-11	2011	Q4	30,710.98	\$ 622.08	\$ 3,174.79	34,507.86	1.47%	37.62	196.22
			Nov-11	2011	Q4	34,507.86	\$ 150.53	\$ 3,174.79	37,833.17	1.47%	42.27	238.49
			Dec-11	2011	Q4	37,833.17	\$ 173.68	\$ 3,174.79	41,181.64	1.47%	46.35	284.84
			Jan-12	2012	Q1	41,181.64	\$ 275.60	\$ 6,368.18	47,825.43	1.47%	50.45	335.29
			Feb-12	2012	Q1	47,825.43	\$ 269.49	\$ 6,368.18	54,463.10	1.47%	58.59	393.87

Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges for General Service Greater Than 50 kW

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
			Mar-12	2012	Q1	54,463.10	\$ 157.22	\$ 6,368.18	60,988.50	1.47%	66.72	460.59
			Apr-12	2012	Q2	60,988.50	\$ 231.84	\$ 6,368.18	67,588.52	1.47%	74.71	535.30
			May-12	2012	Q2	67,588.52	\$ 231.84	\$ 6,368.18	74,188.54	1.47%	82.80	618.10
			Jun-12	2012	Q2	74,188.54	\$ 212.20	\$ 6,368.18	80,768.93	1.47%	90.88	708.98
			Jul-12	2012	Q3	80,768.93	\$ 279.69	\$ 6,368.18	87,416.81	1.47%	98.94	807.92
			Aug-12	2012	Q3	87,416.81	\$ 156.65	\$ 6,368.18	93,941.65	1.47%	107.09	915.00
			Sep-12	2012	Q3	93,941.65	\$ 218.86	\$ 6,368.18	100,528.69	1.47%	115.08	1,030.08
			Oct-12	2012	Q4	100,528.69	\$ 225.93	\$ 6,368.18	107,122.81	1.47%	123.15	1,153.23
			Nov-12	2012	Q4	107,122.81	\$ 225.93	\$ 6,368.18	113,716.92	1.47%	131.23	1,284.46
			Dec-12	2012	Q4	113,716.92	\$ 225.93	\$ 6,368.18	120,311.04	1.47%	139.30	1,423.76
			Jan-13	2013	Q1	120,311.04	\$ 491.36	\$ 6,498.95	127,301.35	1.47%	147.38	1,571.14
			Feb-13	2013	Q1	127,301.35	\$ 491.36	\$ 6,498.95	134,291.66	1.47%	155.94	1,727.08
			Mar-13	2013	Q1	134,291.66	\$ 491.36	\$ 6,498.95	141,281.97	1.47%	164.51	1,891.59
			Apr-13	2013	Q2	141,281.97	\$ 491.36	\$ 6,498.95	148,272.28	1.47%	173.07	2,064.66
			May-13	2013	Q2	148,272.28			148,272.28	0.00%	-	2,064.66
			Jun-13	2013	Q2	148,272.28			148,272.28	0.00%	-	2,064.66
			Jul-13	2013	Q3	148,272.28			148,272.28	0.00%	-	2,064.66
			Aug-13	2013	Q3	148,272.28			148,272.28	0.00%	-	2,064.66
			Sep-13	2013	Q3	148,272.28			148,272.28	0.00%	-	2,064.66
			Oct-13	2013	Q4	148,272.28			148,272.28	0.00%	-	2,064.66
			Nov-13	2013	Q4	148,272.28			148,272.28	0.00%	-	2,064.66
			Dec-13	2013	Q4	148,272.28			148,272.28	0.00%	-	2,064.66
							\$ 7,087.73	\$ 141,184.55	\$ 148,272.28		\$ 2,064.66	

Account 1555 - Sub-account Funding Adder Revenues - General Service Greater Than 50 kW

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
2006 Q1			Jan-06	2006	Q1	2006 Q1	\$ -	0.00%	\$ -	\$ -		
2006 Q2	4.14%	4.68%	Feb-06	2006	Q1	2006 Q1	\$ -	0.00%	\$ -	\$ -		
2006 Q3	4.59%	5.05%	Mar-06	2006	Q1	2006 Q1	\$ -	0.00%	\$ -	\$ -		
2006 Q4	4.59%	4.72%	Apr-06	2006	Q2	2006 Q2	\$ -	4.14%	\$ -	\$ -		
2007 Q1	4.59%	4.72%	May-06	2006	Q2	2006 Q2	\$ -	4.14%	\$ -	\$ -		
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	2006 Q2	\$ -	4.14%	\$ -	\$ -		
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	2006 Q3	\$ -	4.59%	\$ -	\$ -		
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	2006 Q3	\$ -	4.59%	\$ -	\$ -		
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	2006 Q3	\$ -	4.59%	\$ -	\$ -		
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	2006 Q4	\$ -	4.59%	\$ -	\$ -		
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	2006 Q4	\$ -	4.59%	\$ -	\$ -		
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	2006 Q4	\$ -	4.59%	\$ -	\$ -	\$ -	
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	2007 Q1	\$ -	4.59%	\$ -	\$ -		
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	2007 Q1	\$ -	4.59%	\$ -	\$ -		
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	2007 Q1	\$ -	4.59%	\$ -	\$ -		
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	2007 Q2	\$ -	4.59%	\$ -	\$ -		
2010 Q1	0.55%	4.34%	May-07	2007	Q2	2007 Q2	\$ -	4.59%	\$ -	\$ -		
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	2007 Q2	\$ -	4.59%	\$ -	\$ -		
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	2007 Q3	\$ -	4.59%	\$ -	\$ -		
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	2007 Q3	\$ -	4.59%	\$ -	\$ -		
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	2007 Q3	\$ -	4.59%	\$ -	\$ -		
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	2007 Q4	\$ -	5.14%	\$ -	\$ -		
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	2007 Q4	\$ -	5.14%	\$ -	\$ -		
2011 Q4	1.47%	3.92%	Dec-07	2007	Q4	2007 Q4	\$ -	5.14%	\$ -	\$ -	\$ -	
2012 Q1	1.47%	3.92%	Jan-08	2008	Q1	2008 Q1	\$ -	5.14%	\$ -	\$ -		
2012 Q2	1.47%	3.51%	Feb-08	2008	Q1	2008 Q1	\$ -	5.14%	\$ -	\$ -		
2012 Q3	1.47%	3.51%	Mar-08	2008	Q1	2008 Q1	\$ -	5.14%	\$ -	\$ -		
2012 Q4	1.47%	3.51%	Apr-08	2008	Q2	2008 Q2	\$ -	4.08%	\$ -	\$ -		
2013 Q1	1.47%	3.51%	May-08	2008	Q2	2008 Q2	\$ -	4.08%	\$ -	\$ -		
2013 Q2	1.47%	3.51%	Jun-08	2008	Q2	2008 Q2	\$ -	4.08%	\$ -	\$ -		
2013 Q3			Jul-08	2008	Q3	2008 Q3	\$ -	3.35%	\$ -	\$ -		
2013 Q4			Aug-08	2008	Q3	2008 Q3	\$ -	3.35%	\$ -	\$ -		
			Sep-08	2008	Q3	2008 Q3	\$ -	3.35%	\$ -	\$ -		
			Oct-08	2008	Q4	2008 Q4	\$ -	3.35%	\$ -	\$ -		
			Nov-08	2008	Q4	2008 Q4	\$ -	3.35%	\$ -	\$ -		
			Dec-08	2008	Q4	2008 Q4	\$ -	3.35%	\$ -	\$ -	\$ -	
			Jan-09	2009	Q1	2009 Q1	\$ -	2.45%	\$ -	\$ -		
			Feb-09	2009	Q1	2009 Q1	\$ -	2.45%	\$ -	\$ -		
			Mar-09	2009	Q1	2009 Q1	\$ -	2.45%	\$ -	\$ -		
			Apr-09	2009	Q2	2009 Q2	\$ -	1.00%	\$ -	\$ -		
			May-09	2009	Q2	2009 Q2	\$ -	1.00%	\$ -	\$ -		
			Jun-09	2009	Q2	2009 Q2	\$ -	1.00%	\$ -	\$ -		
			Jul-09	2009	Q3	2009 Q3	\$ -	0.55%	\$ -	\$ -		
			Aug-09	2009	Q3	2009 Q3	\$ -	0.55%	\$ -	\$ -		
			Sep-09	2009	Q3	2009 Q3	\$ -	0.55%	\$ -	\$ -		

Account 1555 - Sub-account Funding Adder Revenues - General Service Greater Than 50 kW

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
			Oct-09	2009	Q4	2009 Q4	\$ -	0.55%	\$ -	\$ -		
			Nov-09	2009	Q4	2009 Q4	\$ -	0.55%	\$ -	\$ -		
			Dec-09	2009	Q4	2009 Q4	\$ -	0.55%	\$ -	\$ -	\$ -	
			Jan-10	2010	Q1	2010 Q1	\$ -	0.55%	\$ -	\$ 1,289.25		
			Feb-10	2010	Q1	2010 Q1	\$ 1,289.25	0.55%	\$ 0.59	\$ 2,785.84		
			Mar-10	2010	Q1	2010 Q1	\$ 2,785.25	0.55%	\$ 1.28	\$ 4,296.53		
			Apr-10	2010	Q2	2010 Q2	\$ 4,295.25	0.55%	\$ 1.97	\$ 5,801.22		
			May-10	2010	Q2	2010 Q2	\$ 5,799.25	0.55%	\$ 2.66	\$ 7,302.91		
			Jun-10	2010	Q2	2010 Q2	\$ 7,300.25	0.55%	\$ 3.35	\$ 8,803.60		
			Jul-10	2010	Q3	2010 Q3	\$ 8,800.25	0.89%	\$ 6.53	\$ 10,306.78		
			Aug-10	2010	Q3	2010 Q3	\$ 10,300.25	0.89%	\$ 7.64	\$ 11,811.89		
			Sep-10	2010	Q3	2010 Q3	\$ 11,804.25	0.89%	\$ 8.75	\$ 13,321.00		
			Oct-10	2010	Q4	2010 Q4	\$ 13,312.25	1.20%	\$ 13.31	\$ 14,836.56		
			Nov-10	2010	Q4	2010 Q4	\$ 14,823.25	1.20%	\$ 14.82	\$ 16,348.07		
			Dec-10	2010	Q4	2010 Q4	\$ 16,333.25	1.20%	\$ 16.33	\$ 17,856.58	\$ 17,917.48	
			Jan-11	2011	Q1	2011 Q1	\$ 17,840.25	1.47%	\$ 21.85	\$ 19,370.10		
			Feb-11	2011	Q1	2011 Q1	\$ 19,348.25	1.47%	\$ 23.70	\$ 20,889.95		
			Mar-11	2011	Q1	2011 Q1	\$ 20,866.25	1.47%	\$ 25.56	\$ 22,398.81		
			Apr-11	2011	Q2	2011 Q2	\$ 22,373.25	1.47%	\$ 27.41	\$ 23,911.66		
			May-11	2011	Q2	2011 Q2	\$ 23,884.25	1.47%	\$ 29.26	\$ 26,108.51		
			Jun-11	2011	Q2	2011 Q2	\$ 26,079.25	1.47%	\$ 31.95	\$ 28,419.20		
			Jul-11	2011	Q3	2011 Q3	\$ 28,387.25	1.47%	\$ 34.77	\$ 30,706.02		
			Aug-11	2011	Q3	2011 Q3	\$ 30,671.25	1.47%	\$ 37.57	\$ 32,996.82		
			Sep-11	2011	Q3	2011 Q3	\$ 32,959.25	1.47%	\$ 40.38	\$ 35,258.63		
			Oct-11	2011	Q4	2011 Q4	\$ 35,218.25	1.47%	\$ 43.14	\$ 37,525.39		
			Nov-11	2011	Q4	2011 Q4	\$ 37,482.25	1.47%	\$ 45.92	\$ 39,783.17		
			Dec-11	2011	Q4	2011 Q4	\$ 39,737.25	1.47%	\$ 48.68	\$ 42,049.93	\$ 24,571.19	
			Jan-12	2012	Q1	2012 Q1	\$ 42,001.25	1.47%	\$ 51.45	\$ 42,345.70		
			Feb-12	2012	Q1	2012 Q1	\$ 42,294.25	1.47%	\$ 51.81	\$ 42,346.06		
			Mar-12	2012	Q1	2012 Q1	\$ 42,294.25	1.47%	\$ 51.81	\$ 42,349.06		
			Apr-12	2012	Q2	2012 Q2	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			May-12	2012	Q2	2012 Q2	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			Jun-12	2012	Q2	2012 Q2	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			Jul-12	2012	Q3	2012 Q3	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			Aug-12	2012	Q3	2012 Q3	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			Sep-12	2012	Q3	2012 Q3	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			Oct-12	2012	Q4	2012 Q4	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			Nov-12	2012	Q4	2012 Q4	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			Dec-12	2012	Q4	2012 Q4	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06	\$ 917.36	
			Jan-13	2013	Q1	2013 Q1	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			Feb-13	2013	Q1	2013 Q1	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			Mar-13	2013	Q1	2013 Q1	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			Apr-13	2013	Q2	2013 Q2	\$ 42,297.25	1.47%	\$ 51.81	\$ 42,349.06		
			May-13	2013	Q2	2013 Q2	\$ 42,297.25	0.00%	\$ -	\$ 42,297.25		
			Jun-13	2013	Q2	2013 Q2	\$ 42,297.25	0.00%	\$ -	\$ 42,297.25		

Account 1555 - Sub-account Funding Adder Revenues - General Service Greater Than 50 kW

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder
			Jul-13	2013	Q3	2013 Q3	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25	
			Aug-13	2013	Q3	2013 Q3	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25	
			Sep-13	2013	Q3	2013 Q3	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25	
			Oct-13	2013	Q4	2013 Q4	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25	
			Nov-13	2013	Q4	2013 Q4	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25	
			Dec-13	2013	Q4	2013 Q4	\$ 42,297.25		0.00%	\$ -	\$ 42,297.25	\$ 207.24
Total Funding Adder Revenues Collected							\$ 42,297.25		\$ 1,316.02	\$ 43,613.27	\$ 43,613.27	

APPENDIX E – BILL IMPACT TABLES

Residential Bill Impact - 250 kWh										
	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL						
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
Energy First Tier (kWh)	258.73	0.0740	19.15	258.73	0.0740	19.15	0.00	0.00%	45.18%	
Energy Second Tier (kWh)	0.00	0.0870	0.00	0.00	0.0870	0.00	0.00	0.00%	0.00%	
TOU - Off Peak	165.58	0.0630	10.43	165.58	0.0630	10.43	0.00	0.00%		23.82%
TOU - Mid Peak	46.57	0.0990	4.61	46.57	0.0990	4.61	0.00	0.00%		10.53%
TOU - On Peak	46.57	0.1180	5.50	46.57	0.1180	5.50	0.00	0.00%		12.55%
Service Charge	1	9.83	9.83	1	9.83	9.83	0.00	0.00%	23.20%	22.45%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	2.1195	2.12	2.10	10497.42%	5.00%	4.84%
Distribution Volumetric Rate	250	0.0143	3.58	250	0.0143	3.58	0.00	0.00%	8.44%	8.16%
Low Voltage Volumetric Rate	250		0.00	250		0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	250	0.0000	0.00	250	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total: Distribution			13.43			15.52	2.10	15.64%	36.64%	35.45%
Retail Transmission Rate - Network Service Rate	258.73	0.00750	1.94	258.73	0.00750	1.94	0.00	0.00%	4.58%	4.43%
Retail Transmission Rate - Line and Transformation Connection Service Rate	258.73	0.00550	1.42	258.73	0.00550	1.42	0.00	0.00%	3.36%	3.25%
Total: Retail Transmission			3.36			3.36	0.00	0.00%	7.94%	7.68%
Sub-Total: Delivery (Distribution and Retail Transmission)			16.79			18.89	2.10	12.51%	44.58%	43.14%
Wholesale Market Service Rate	258.73	0.0052	1.35	258.73	0.0052	1.35	0.00	0.00%	3.18%	3.07%
Rural Rate Protection Charge	258.73	0.0011	0.28	258.73	0.0011	0.28	0.00	0.00%	0.67%	0.65%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.59%	0.57%
Sub-Total: Regulatory			1.88			1.88	0.00	0.00%	4.44%	4.29%
Debt Retirement Charge (DRC)	250.00	0.00700	1.75	250.00	0.00700	1.75	0.00	0.00%	4.13%	4.00%
Total Bill on RPP (before taxes)			39.56			41.66	2.10	5.31%	98.33%	
HST		13%	5.14		13%	5.42	0.27	5.31%	12.78%	
Total Bill (including HST)			44.71			47.08	2.37	5.31%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(4.47)		(10%)	(4.71)	(0.24)	5.31%	-11.11%	
Total Bill on RPP (including OCEB)			40.24			42.37	2.14	5.31%	100.00%	
Total Bill on TOU (before taxes)			40.96			43.06	2.10	5.13%		98.33%
HST		13%	5.32		13%	5.60	0.27	5.13%		12.78%
Total Bill (including HST)			46.28			48.65	2.37	5.13%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(4.63)		(10%)	(4.87)	(0.24)	5.13%		-11.11%
Total Bill on TOU (including OCEB)			41.65			43.79	2.14	5.13%		100.00%

Residential Bill Impact - 800 kWh										
	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL						
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
Energy First Tier (kWh)	827.92	0.0740	61.27	827.92	0.0740	61.27	0.00	0.00%	65.83%	
Energy Second Tier (kWh)	-172.08	0.0870	-14.97	-172.08	0.0870	-14.97	0.00	0.00%	(16.09%)	
TOU - Off Peak	529.87	0.0630	33.38	529.87	0.0630	33.38	0.00	0.00%		29.59%
TOU - Mid Peak	149.03	0.0990	14.75	149.03	0.0990	14.75	0.00	0.00%		13.08%
TOU - On Peak	149.03	0.1180	17.59	149.03	0.1180	17.59	0.00	0.00%		15.59%
Service Charge	1	9.83	9.83	1	9.83	9.83	0.00	0.00%	10.56%	8.71%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	2.1195	2.12	2.10	10497.42%	2.28%	1.88%
Distribution Volumetric Rate	800	0.0143	11.44	800	0.0143	11.44	0.00	0.00%	12.29%	10.14%
Low Voltage Volumetric Rate	800		0.00	800		0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	800	0.0000	0.00	800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total: Distribution			21.29			23.39	2.10	9.86%	25.13%	20.73%
Retail Transmission Rate - Network Service Rate	827.92	0.00750	6.21	827.92	0.00750	6.21	0.00	0.00%	6.67%	5.50%
Retail Transmission Rate - Line and Transformation Connection Service Rate	827.92	0.00550	4.55	827.92	0.00550	4.55	0.00	0.00%	4.89%	4.04%
Total: Retail Transmission			10.76			10.76	0.00	0.00%	11.56%	9.54%
Sub-Total: Delivery (Distribution and Retail Transmission)			32.05			34.15	2.10	6.55%	36.70%	30.27%
Wholesale Market Service Rate	827.92	0.0052	4.31	827.92	0.0052	4.31	0.00	0.00%	4.63%	3.82%
Rural Rate Protection Charge	827.92	0.0011	0.91	827.92	0.0011	0.91	0.00	0.00%	0.98%	0.81%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.27%	0.22%
Sub-Total: Regulatory			5.47			5.47	0.00	0.00%	5.87%	4.84%
Debt Retirement Charge (DRC)	800.00	0.00700	5.60	800.00	0.00700	5.60	0.00	0.00%	6.02%	4.96%
Total Bill on RPP (before taxes)			89.41			91.51	2.10	2.35%	98.33%	
HST		13%	11.62		13%	11.90	0.27	2.35%	12.78%	
Total Bill (including HST)			101.04			103.41	2.37	2.35%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(10.10)		(10%)	(10.34)	(0.24)	2.35%	-11.11%	
Total Bill on RPP (including OCEB)			90.93			93.07	2.14	2.35%	100.00%	
Total Bill on TOU (before taxes)			108.84			110.94	2.10	1.93%		98.33%
HST		13%	14.15		13%	14.42	0.27	1.93%		12.78%
Total Bill (including HST)			122.99			125.36	2.37	1.93%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(12.30)		(10%)	(12.54)	(0.24)	1.93%		-11.11%
Total Bill on TOU (including OCEB)			110.69			112.82	2.14	1.93%		100.00%

Residential Bill Impact - 1,500 kWh										
	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL						
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
Energy First Tier (kWh)	1,000.00	0.0740	74.00	1,000.00	0.0740	74.00	0.00	0.00%	37.09%	
Energy Second Tier (kWh)	552.35	0.0870	48.05	552.35	0.0870	48.05	0.00	0.00%	24.09%	
TOU - Off Peak	993.50	0.0630	62.59	993.50	0.0630	62.59	0.00	0.00%		31.19%
TOU - Mid Peak	279.42	0.0990	27.66	279.42	0.0990	27.66	0.00	0.00%		13.78%
TOU - On Peak	279.42	0.1180	32.97	279.42	0.1180	32.97	0.00	0.00%		16.43%
Service Charge	1	9.83	9.83	1	9.83	9.83	0.00	0.00%	4.93%	4.90%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	2.1195	2.12	2.10	10497.42%	1.06%	1.06%
Distribution Volumetric Rate	1,500	0.0143	21.45	1,500	0.0143	21.45	0.00	0.00%	10.75%	10.69%
Low Voltage Volumetric Rate	1,500		0.00	1,500		0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	1,500	0.0000	0.00	1,500	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total: Distribution			31.30			33.40	2.10	6.71%	16.74%	16.64%
Retail Transmission Rate - Network Service Rate	1,552.35	0.00750	11.64	1,552.35	0.00750	11.64	0.00	0.00%	5.84%	5.80%
Retail Transmission Rate - Line and Transformation Connection Service Rate	1,552.35	0.00550	8.54	1,552.35	0.00550	8.54	0.00	0.00%	4.28%	4.25%
Total: Retail Transmission			20.18			20.18	0.00	0.00%	10.12%	10.06%
Sub-Total: Delivery (Distribution and Retail Transmission)			51.48			53.58	2.10	4.08%	26.86%	26.70%
Wholesale Market Service Rate	1,552.35	0.0052	8.07	1,552.35	0.0052	8.07	0.00	0.00%	4.05%	4.02%
Rural Rate Protection Charge	1,552.35	0.0011	1.71	1,552.35	0.0011	1.71	0.00	0.00%	0.86%	0.85%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.12%
Sub-Total: Regulatory			10.03			10.03	0.00	0.00%	5.03%	5.00%
Debt Retirement Charge (DRC)	1,500.00	0.00700	10.50	1,500.00	0.00700	10.50	0.00	0.00%	5.26%	5.23%
Total Bill on RPP (before taxes)			194.06			196.16	2.10	1.08%	98.33%	
HST		13%	25.23		13%	25.50	0.27	1.08%	12.78%	
Total Bill (including HST)			219.29			221.67	2.37	1.08%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(21.93)		(10%)	(22.17)	(0.24)	1.08%	-11.11%	
Total Bill on RPP (including OCEB)			197.36			199.50	2.14	1.08%	100.00%	
Total Bill on TOU (before taxes)			195.24			197.34	2.10	1.08%		98.33%
HST		13%	25.38		13%	25.65	0.27	1.08%		12.78%
Total Bill (including HST)			220.62			222.99	2.37	1.08%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(22.06)		(10%)	(22.30)	(0.24)	1.08%		-11.11%
Total Bill on TOU (including OCEB)			198.55			200.69	2.14	1.08%		100.00%

General Service Less Than 50 kW Bill Impact - 2,000 kWh										
	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL						
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
Energy First Tier (kWh)	750.00	0.0740	55.50	750.00	0.0740	55.50	0.00	0.00%	20.04%	
Energy Second Tier (kWh)	1,319.80	0.0870	114.82	1,319.80	0.0870	114.82	0.00	0.00%	41.47%	
TOU - Off Peak	1,324.67	0.0630	83.45	1,324.67	0.0630	83.45	0.00	0.00%		30.82%
TOU - Mid Peak	372.56	0.0990	36.88	372.56	0.0990	36.88	0.00	0.00%		13.62%
TOU - On Peak	372.56	0.1180	43.96	372.56	0.1180	43.96	0.00	0.00%		16.24%
Service Charge	1	17.75	17.75	1	17.75	17.75	0.00	0.00%	6.41%	6.56%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	2.1195	2.12	2.10	10497.42%	0.77%	0.78%
Distribution Volumetric Rate	2,000	0.0156	31.20	2,000	0.0156	31.20	0.00	0.00%	11.27%	11.52%
Low Voltage Volumetric Rate	2,000		0.00	2,000		0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total: Distribution			48.97			51.07	2.10	4.29%	18.44%	18.86%
Retail Transmission Rate - Network Service Rate	2,069.80	0.00670	13.87	2,069.80	0.00670	13.87	0.00	0.00%	5.01%	5.12%
Retail Transmission Rate - Line and Transformation Connection Service Rate	2,069.80	0.00470	9.73	2,069.80	0.00470	9.73	0.00	0.00%	3.51%	3.59%
Total: Retail Transmission			23.60			23.60	0.00	0.00%	8.52%	8.71%
Sub-Total: Delivery (Distribution and Retail Transmission)			72.57			74.67	2.10	2.89%	26.96%	27.57%
Wholesale Market Service Rate	2,069.80	0.0052	10.76	2,069.80	0.0052	10.76	0.00	0.00%	3.89%	3.97%
Rural Rate Protection Charge	2,069.80	0.0011	2.28	2,069.80	0.0011	2.28	0.00	0.00%	0.82%	0.84%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.09%	0.09%
Sub-Total: Regulatory			13.29			13.29	0.00	0.00%	4.80%	4.91%
Debt Retirement Charge (DRC)	2,000.00	0.00700	14.00	2,000.00	0.00700	14.00	0.00	0.00%	5.06%	5.17%
Total Bill on RPP (before taxes)			270.18			272.28	2.10	0.78%	98.33%	
HST		13%	35.12		13%	35.40	0.27	0.78%	12.78%	
Total Bill (including HST)			305.30			307.67	2.37	0.78%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(30.53)		(10%)	(30.77)	(0.24)	0.78%	-11.11%	
Total Bill on RPP (including OCEB)			274.77			276.91	2.14	0.78%	100.00%	
Total Bill on TOU (before taxes)			264.16			266.26	2.10	0.79%		98.33%
HST		13%	34.34		13%	34.61	0.27	0.79%		12.78%
Total Bill (including HST)			298.50			300.87	2.37	0.79%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(29.85)		(10%)	(30.09)	(0.24)	0.79%		-11.11%
Total Bill on TOU (including OCEB)			268.65			270.78	2.14	0.79%		100.00%

General Service Less Than 50 kW Bill Impact - 5,000 kWh										
	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL						
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
Energy First Tier (kWh)	750.00	0.0740	55.50	750.00	0.0740	55.50	0.00	0.00%	8.20%	
Energy Second Tier (kWh)	4,424.50	0.0870	384.93	4,424.50	0.0870	384.93	0.00	0.00%	56.90%	
TOU - Off Peak	3,311.68	0.0630	208.64	3,311.68	0.0630	208.64	0.00	0.00%		32.28%
TOU - Mid Peak	931.41	0.0990	92.21	931.41	0.0990	92.21	0.00	0.00%		14.27%
TOU - On Peak	931.41	0.1180	109.91	931.41	0.1180	109.91	0.00	0.00%		17.01%
Service Charge	1	17.75	17.75	1	17.75	17.75	0.00	0.00%	2.62%	2.75%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	2.1195	2.12	2.10	10497.42%	0.31%	0.33%
Distribution Volumetric Rate	5,000	0.0156	78.00	5,000	0.0156	78.00	0.00	0.00%	11.53%	12.07%
Low Voltage Volumetric Rate	5,000		0.00	5,000		0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	5,000	0.0000	0.00	5,000	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total: Distribution			95.77			97.87	2.10	2.19%	14.47%	15.14%
Retail Transmission Rate - Network Service Rate	5,174.50	0.00670	34.67	5,174.50	0.00670	34.67	0.00	0.00%	5.13%	5.36%
Retail Transmission Rate - Line and Transformation Connection Service Rate	5,174.50	0.00470	24.32	5,174.50	0.00470	24.32	0.00	0.00%	3.60%	3.76%
Total: Retail Transmission			58.99			58.99	0.00	0.00%	8.72%	9.13%
Sub-Total: Delivery (Distribution and Retail Transmission)			154.76			156.86	2.10	1.36%	23.19%	24.27%
Wholesale Market Service Rate	5,174.50	0.0052	26.91	5,174.50	0.0052	26.91	0.00	0.00%	3.98%	4.16%
Rural Rate Protection Charge	5,174.50	0.0011	5.69	5,174.50	0.0011	5.69	0.00	0.00%	0.84%	0.88%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%	0.04%
Sub-Total: Regulatory			32.85			32.85	0.00	0.00%	4.86%	5.08%
Debt Retirement Charge (DRC)	5,000.00	0.00700	35.00	5,000.00	0.00700	35.00	0.00	0.00%	5.17%	5.42%
Total Bill on RPP (before taxes)			663.04			665.14	2.10	0.32%	98.33%	
HST		13%	86.20		13%	86.47	0.27	0.32%	12.78%	
Total Bill (including HST)			749.24			751.61	2.37	0.32%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(74.92)		(10%)	(75.16)	(0.24)	0.32%	-11.11%	
Total Bill on RPP (including OCEB)			674.31			676.45	2.14	0.32%	100.00%	
Total Bill on TOU (before taxes)			633.36			635.46	2.10	0.33%		98.33%
HST		13%	82.34		13%	82.61	0.27	0.33%		12.78%
Total Bill (including HST)			715.70			718.07	2.37	0.33%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(71.57)		(10%)	(71.81)	(0.24)	0.33%		-11.11%
Total Bill on TOU (including OCEB)			644.13			646.26	2.14	0.33%		100.00%

General Service Less Than 50 kW Bill Impact - 10,000										
	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL						
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
Energy First Tier (kWh)	750.00	0.0740	55.50	750.00	0.0740	55.50	0.00	0.00%	4.13%	
Energy Second Tier (kWh)	9,599.00	0.0870	835.11	9,599.00	0.0870	835.11	0.00	0.00%	62.21%	
TOU - Off Peak	6,623.36	0.0630	417.27	6,623.36	0.0630	417.27	0.00	0.00%		32.80%
TOU - Mid Peak	1,862.82	0.0990	184.42	1,862.82	0.0990	184.42	0.00	0.00%		14.50%
TOU - On Peak	1,862.82	0.1180	219.81	1,862.82	0.1180	219.81	0.00	0.00%		17.28%
Service Charge	1	17.75	17.75	1	17.75	17.75	0.00	0.00%	1.32%	1.40%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	2.1195	2.12	2.10	10497.42%	0.16%	0.17%
Distribution Volumetric Rate	10,000	0.0156	156.00	10,000	0.0156	156.00	0.00	0.00%	11.62%	12.26%
Low Voltage Volumetric Rate	10,000		0.00	10,000		0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	10,000	0.0000	0.00	10,000	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total: Distribution			173.77			175.87	2.10	1.21%	13.10%	13.83%
Retail Transmission Rate - Network Service Rate	10,349.00	0.00670	69.34	10,349.00	0.00670	69.34	0.00	0.00%	5.17%	5.45%
Retail Transmission Rate - Line and Transformation Connection Service Rate	10,349.00	0.00470	48.64	10,349.00	0.00470	48.64	0.00	0.00%	3.62%	3.82%
Total: Retail Transmission			117.98			117.98	0.00	0.00%	8.79%	9.27%
Sub-Total: Delivery (Distribution and Retail Transmission)			291.75			293.85	2.10	0.72%	21.89%	23.10%
Wholesale Market Service Rate	10,349.00	0.0052	53.81	10,349.00	0.0052	53.81	0.00	0.00%	4.01%	4.23%
Rural Rate Protection Charge	10,349.00	0.0011	11.38	10,349.00	0.0011	11.38	0.00	0.00%	0.85%	0.89%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.02%	0.02%
Sub-Total: Regulatory			65.45			65.45	0.00	0.00%	4.88%	5.15%
Debt Retirement Charge (DRC)	10,000.00	0.00700	70.00	10,000.00	0.00700	70.00	0.00	0.00%	5.21%	5.50%
Total Bill on RPP (before taxes)			1,317.81			1,319.91	2.10	0.16%	98.33%	
HST		13%	171.32		13%	171.59	0.27	0.16%	12.78%	
Total Bill (including HST)			1,489.13			1,491.50	2.37	0.16%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(148.91)		(10%)	(149.15)	(0.24)	0.16%	-11.11%	
Total Bill on RPP (including OCEB)			1,340.21			1,342.35	2.14	0.16%	100.00%	
Total Bill on TOU (before taxes)			1,248.70			1,250.80	2.10	0.17%		98.33%
HST		13%	162.33		13%	162.60	0.27	0.17%		12.78%
Total Bill (including HST)			1,411.03			1,413.40	2.37	0.17%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(141.10)		(10%)	(141.34)	(0.24)	0.17%		-11.11%
Total Bill on TOU (including OCEB)			1,269.93			1,272.06	2.14	0.17%		100.00%

	General Service Greater Than 50 kW Bill Impact - 36,500 kWh, 100									
	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL						
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
Energy First Tier (kWh)	37,773.85	0.0740	2,795.26	37,773.85	0.0740	2,795.26	0.00	0.00%	66.76%	
Energy Second Tier (kWh)	0.00	0.0870	0.00	0.00	0.0870	0.00	0.00	0.00%	0.00%	
TOU - Off Peak	24,175.26	0.0630	1,523.04	24,175.26	0.0630	1,523.04	0.00	0.00%		34.66%
TOU - Mid Peak	6,799.29	0.0990	673.13	6,799.29	0.0990	673.13	0.00	0.00%		15.32%
TOU - On Peak	6,799.29	0.1180	802.32	6,799.29	0.1180	802.32	0.00	0.00%		18.26%
Service Charge	1	108.32	108.32	1	108.32	108.32	0.00	0.00%	2.59%	2.47%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	32.4334	32.43	32.41	162066.84%	0.77%	0.74%
Distribution Volumetric Rate	100	2.4381	243.81	100	2.4381	243.81	0.00	0.00%	5.82%	5.55%
Low Voltage Volumetric Rate	100		0.00	100		0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	100	0.0000	0.00	100	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total: Distribution			352.15			384.56	32.41	9.20%	9.18%	8.75%
Retail Transmission Rate - Network Service Rate	100.00	2.60530	260.53	100.00	2.60530	260.53	0.00	0.00%	6.22%	5.93%
Retail Transmission Rate - Line and Transformation Connection Service Rate	100.00	1.83070	183.07	100.00	1.83070	183.07	0.00	0.00%	4.37%	4.17%
Total: Retail Transmission			443.60			443.60	0.00	0.00%	10.59%	10.10%
Sub-Total: Delivery (Distribution and Retail Transmission)			795.75			828.16	32.41	4.07%	19.78%	18.85%
Wholesale Market Service Rate	37,773.85	0.0052	196.42	37,773.85	0.0052	196.42	0.00	0.00%	4.69%	4.47%
Rural Rate Protection Charge	37,773.85	0.0011	41.55	37,773.85	0.0011	41.55	0.00	0.00%	0.99%	0.95%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			238.23			238.23	0.00	0.00%	5.69%	5.42%
Debt Retirement Charge (DRC)	36,500.00	0.00700	255.50	36,500.00	0.00700	255.50	0.00	0.00%	6.10%	5.81%
Total Bill on RPP (before taxes)			4,084.74			4,117.15	32.41	0.79%	98.33%	
HST		13%	531.02		13%	535.23	4.21	0.79%	12.78%	
Total Bill (including HST)			4,615.76			4,652.38	36.63	0.79%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(461.58)		(10%)	(465.24)	(3.66)	0.79%	-11.11%	
Total Bill on RPP (including OCEB)			4,154.18			4,187.15	32.96	0.79%	100.00%	
Total Bill on TOU (before taxes)			4,287.96			4,320.38	32.41	0.76%		98.33%
HST		13%	557.44		13%	561.65	4.21	0.76%		12.78%
Total Bill (including HST)			4,845.40			4,882.03	36.63	0.76%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(484.54)		(10%)	(488.20)	(3.66)	0.76%		-11.11%
Total Bill on TOU (including OCEB)			4,360.86			4,393.82	32.96	0.76%		100.00%

	General Service Greater Than 50 kW Bill Impact - 91,250 kWh, 250									
	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL						
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
Energy First Tier (kWh)	94,434.63	0.0740	6,988.16	94,434.63	0.0740	6,988.16	0.00	0.00%	68.16%	
Energy Second Tier (kWh)	0.00	0.0870	0.00	0.00	0.0870	0.00	0.00	0.00%	0.00%	
TOU - Off Peak	60,438.16	0.0630	3,807.60	60,438.16	0.0630	3,807.60	0.00	0.00%		35.36%
TOU - Mid Peak	16,998.23	0.0990	1,682.83	16,998.23	0.0990	1,682.83	0.00	0.00%		15.63%
TOU - On Peak	16,998.23	0.1180	2,005.79	16,998.23	0.1180	2,005.79	0.00	0.00%		18.62%
Service Charge	1	108.32	108.32	1	108.32	108.32	0.00	0.00%	1.06%	1.01%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	32.4334	32.43	32.41	162066.84%	0.32%	0.30%
Distribution Volumetric Rate	250	2.4381	609.53	250	2.4381	609.53	0.00	0.00%	5.94%	5.66%
Low Voltage Volumetric Rate	250		0.00	250		0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	250	0.0000	0.00	250	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total: Distribution			717.87			750.28	32.41	4.52%	7.32%	6.97%
Retail Transmission Rate - Network Service Rate	250.00	2.60530	651.33	250.00	2.60530	651.33	0.00	0.00%	6.35%	6.05%
Retail Transmission Rate - Line and Transformation Connection Service Rate	250.00	1.83070	457.68	250.00	1.83070	457.68	0.00	0.00%	4.46%	4.25%
Total: Retail Transmission			1,109.00			1,109.00	0.00	0.00%	10.82%	10.30%
Sub-Total: Delivery (Distribution and Retail Transmission)			1,826.87			1,859.28	32.41	1.77%	18.13%	17.26%
Wholesale Market Service Rate	94,434.63	0.0052	491.06	94,434.63	0.0052	491.06	0.00	0.00%	4.79%	4.56%
Rural Rate Protection Charge	94,434.63	0.0011	103.88	94,434.63	0.0011	103.88	0.00	0.00%	1.01%	0.96%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%	0.00%
Sub-Total: Regulatory			595.19			595.19	0.00	0.00%	5.81%	5.53%
Debt Retirement Charge (DRC)	91,250.00	0.00700	638.75	91,250.00	0.00700	638.75	0.00	0.00%	6.23%	5.93%
Total Bill on RPP (before taxes)			10,048.97			10,081.38	32.41	0.32%	98.33%	
HST		13%	1,306.37		13%	1,310.58	4.21	0.32%	12.78%	
Total Bill (including HST)			11,355.33			11,391.96	36.63	0.32%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(1,135.53)		(10%)	(1,139.20)	(3.66)	0.32%	-11.11%	
Total Bill on RPP (including OCEB)			10,219.80			10,252.76	32.96	0.32%	100.00%	
Total Bill on TOU (before taxes)			10,557.02			10,589.44	32.41	0.31%		98.33%
HST		13%	1,372.41		13%	1,376.63	4.21	0.31%		12.78%
Total Bill (including HST)			11,929.44			11,966.06	36.63	0.31%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(1,192.94)		(10%)	(1,196.61)	(3.66)	0.31%		-11.11%
Total Bill on TOU (including OCEB)			10,736.49			10,769.46	32.96	0.31%		100.00%

	General Service Greater Than 50 kW Bill Impact - 182,500 kWh, 500								
	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL					
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total RPP Bill
Energy First Tier (kWh)	188,869.25	0.0740	13,976.32	188,869.25	0.0740	13,976.32	0.00	0.00%	68.64%
Energy Second Tier (kWh)	0.00	0.0870	0.00	0.00	0.0870	0.00	0.00	0.00%	0.00%
TOU - Off Peak	120,876.32	0.0630	7,615.21	120,876.32	0.0630	7,615.21	0.00	0.00%	
TOU - Mid Peak	33,996.47	0.0990	3,365.65	33,996.47	0.0990	3,365.65	0.00	0.00%	
TOU - On Peak	33,996.47	0.1180	4,011.58	33,996.47	0.1180	4,011.58	0.00	0.00%	
Service Charge	1	108.32	108.32	1	108.32	108.32	0.00	0.00%	0.53%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	32.4334	32.43	32.41	162066.84%	0.16%
Distribution Volumetric Rate	500	2.4381	1,219.05	500	2.4381	1,219.05	0.00	0.00%	5.99%
Low Voltage Volumetric Rate	500		0.00	500		0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	500	0.0000	0.00	500	0.0000	0.00	0.00	0.00%	0.00%
Total: Distribution			1,327.39			1,359.80	32.41	2.44%	6.68%
Retail Transmission Rate - Network Service Rate	500.00	2.60530	1,302.65	500.00	2.60530	1,302.65	0.00	0.00%	6.40%
Retail Transmission Rate - Line and Transformation Connection Service Rate	500.00	1.83070	915.35	500.00	1.83070	915.35	0.00	0.00%	4.50%
Total: Retail Transmission			2,218.00			2,218.00	0.00	0.00%	10.89%
Sub-Total: Delivery (Distribution and Retail Transmission)			3,545.39			3,577.80	32.41	0.91%	17.57%
Wholesale Market Service Rate	188,869.25	0.0052	982.12	188,869.25	0.0052	982.12	0.00	0.00%	4.82%
Rural Rate Protection Charge	188,869.25	0.0011	207.76	188,869.25	0.0011	207.76	0.00	0.00%	1.02%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,190.13			1,190.13	0.00	0.00%	5.84%
Debt Retirement Charge (DRC)	182,500.00	0.00700	1,277.50	182,500.00	0.00700	1,277.50	0.00	0.00%	6.27%
Total Bill on RPP (before taxes)			19,989.34			20,021.75	32.41	0.16%	98.33%
HST		13%	2,598.61		13%	2,602.83	4.21	0.16%	12.78%
Total Bill (including HST)			22,587.96			22,624.58	36.63	0.16%	111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(2,258.80)		(10%)	(2,262.46)	(3.66)	0.16%	-11.11%
Total Bill on RPP (including OCEB)			20,329.16			20,362.12	32.96	0.16%	100.00%
Total Bill on TOU (before taxes)			21,005.46			21,037.87	32.41	0.15%	
HST		13%	2,730.71		13%	2,734.92	4.21	0.15%	
Total Bill (including HST)			23,736.17			23,772.79	36.63	0.15%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(2,373.62)		(10%)	(2,377.28)	(3.66)	0.15%	
Total Bill on TOU (including OCEB)			21,362.55			21,395.51	32.96	0.15%	