

Hydro One Brampton Networks Inc.

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February 21, 2013

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 – Responses to OEB Staff and VECC Interrogatories**

Enclosed are Hydro One Brampton Networks Inc.'s ("HOBNI") responses to OEB staff and Vulnerable Energy Consumers Coalition (VECC) Interrogatories relating to HOBNI's 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 submission and a CD containing the above captioned Application in PDF format, together with electronic copies (in Excel format) of the completed Board and HOBNI 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".

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
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Marc Villett, Vice-President Finance, Hydro One Brampton Networks Inc.
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**Hydro One Brampton Networks Inc.
Final Disposition of Smart Meter Costs
Interrogatory Responses
ED-2003-0038/EB-2012-0440
Filed: February 21, 2013**

Index of Submission

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TAB 1
SCHEDULE 1.0
RESPONSES TO BOARD STAFF
INTERROGATORIES

**Hydro One Brampton Networks Inc.
2012 Smart Meter Cost Recovery
EB-2012-0440**

Board staff Interrogatories

1. Ref: Smart Meter Model, Sheet 2 “Smart_Meter_Costs” (2.2.1 Maintenance)

On Sheet 2 of the Residential and GS < 50 kW Smart Meter Model, HOBNI has increasing expenses for 2.2.1 maintenance and no expenses incurred in the GS 50-699 kW Smart Meter Model.

- a) Please explain the increasing Maintenance expenses under “2.2.1 Maintenance” for the period from 2010 to 2013 inclusive. Also explain whether these costs are one-time or recurring.
- b) Please explain why the GS 50-699 kW Smart Meter Model has no maintenance expenses incurred under 2.2.1 for the period from 2010 to 2013 inclusive.

Response:

- a) Table 1 below provides an analysis deriving the OM&A costs for each year from 2010 to 2013 that HOBNI submitted as part of its evidence filed with this application. The “Total OM&A Expenditures” detailed in this table are the total OM&A costs incurred by year for all smart meters installed since the inception of HOBNI’s Smart Meter Program in 2006. The “OM&A Expenditures Allocated” are the portion of these costs that HOBNI has determined are incremental OM&A costs relating to the smart meters installed for the Residential and General Service < 50 kW classes during 2010 and 2011 and for the smart meters installed for the General Service 50 to 699 kW customer class from 2010 to 2012.

Table 1: Total Actual & Forecasted OM&A Expenditures for 2010 to 2013 as Filed

Description of Expenditure	2010	2011	2012	2013
	Actual	Actual	Forecast	Forecast
Labour	\$ 24,042	\$ 13,254		
Material	\$ 6,399			
SM Plans and Cellular Usage	\$ 43,143	\$ 32,625	\$ 46,915	\$ 36,000
Operations Costs, Infrastructure and Application Management, Software Upgrades	\$100,563	\$119,853	\$130,947	\$154,488
Smart Meter & Network Operations costs	\$162,000	\$179,780	\$182,153	\$248,485
Trilliant ServiewCom Software Updates Services		\$ 66,738	\$ 38,411	\$ 40,000
Trilliant Help Desk , Monthly Mission Critical System Support Services		\$ 22,722	\$ 13,078	\$ 13,260
Physical Infrastructure Operations and Maintenance *				\$ 32,428
Telephone Monthly Charges (SM Project Manager + SM Mechanic)	\$ 1,313	\$ 843		
Parts & Labour for Meter Base Repairs	\$ 10,665	\$ 3,136		
Miscellaneous	\$ 1,937	\$ 2,981		
Totals	\$350,061	\$441,932	\$411,504	\$524,661
Allocation Factor	100.0%	6.9%	8.1%	8.1%
Allocated OM&A Expenditures 2010 to 2013				
Description of Expenditure	2010	2011	2012	2013
	Actual	Actual	Forecast	Forecast
Labour	\$ 24,042	\$ 914		
Material	\$ 6,399			
SM Plans and Cellular Usage	\$ 43,143	\$ 2,251	\$ 3,778	\$ 2,899
Operations Costs, Infrastructure and Application Management, Software Upgrades	\$100,563	\$ 8,268	\$ 10,545	\$ 12,440
Smart Meter & Network Operations costs	\$162,000	\$ 12,401	\$ 14,668	\$ 20,009
Trilliant ServiewCom Software Updates Services		\$ 4,604	\$ 3,093	\$ 3,221
Trilliant Help Desk , Monthly Mission Critical System Support Services		\$ 1,567	\$ 1,053	\$ 1,068
Physical Infrastructure Operations and Maintenance				\$ 32,428
Telephone Monthly Charges (SM Project Manager + SM Mechanic)	\$ 1,313	\$ 58		
Parts & Labour for Meter Base Repairs	\$ 10,665	\$ 216		
Miscellaneous	\$ 1,937	\$ 206		
Totals Originally Requested for Disposition	\$350,061	\$ 30,485	\$ 33,136	\$ 72,065
OM&A used in Smart Meter Model:				
2010 Smart Meter Stub Year Model for Residential and GS<50 kW Classes	\$ 325,914			
OEB Smart Meter Model for Residential and GS<50 kWh	\$ 24,096	\$ 28,125	\$ 30,425	\$ 66,169
OEB Smart Meter Model for GS >50 kWh	\$ 51	\$ 2,360	\$ 2,711	\$ 5,896
Total OM&A Originally Requested for Disposition	\$350,061	\$ 30,485	\$ 33,136	\$ 72,065
* The 2013 Forecast for Physical Infrastructure Operations and Maintenance was not allocated based on the 8.1% proration factor, it was determined that this full amount was incremental and was included in the OM&A requested for recovery.				

The 2010 Total OM&A Expenditures of \$350,061 pertain to the smart meters installed on a 2010 life to date basis, i.e. the year before HOBNI's 2011 Cost of service year. 100% of the 2010 OM&A costs are recoverable in this application.

The 2011 Total OM&A Expenditures of \$441,932 pertain to all smart meters installed on a 2011 life to date basis, i.e. HOBNI's cost of service year. As HOBNI previously recovered costs pertaining to

smart meters installed to the end of 2009, and HOBNI included smart meter OM&A costs for smart meters installed to the end of 2009 in its 2011 test year operating meter OM&A costs a portion of this \$441,932 have been factored into HOBNI's 2011 Board approved revenue requirement. However, a portion of the \$441,932 is not being recovered through current distribution rates such that HOBNI has allocated part of these costs to the 1555 Smart Meter Capital Cost Variance Account. HOBNI allocated 6.9% or \$30,485 to Account 1555. The 6.9% was derived based on the expected number of smart meters installed in 2010 and 2011 as compared to the expected number of smart meters installed life to date 2011.

Similarly a 8.1% portion of the 2012 Total OM&A Expenditures of \$411,504 were allocated to Account 1555 based on the expected number of smart meters installed from 2010 to 2012 as compared to the expected number of smart meters installed life to date 2012.

Also, for 2013, HOBNI also allocated 8.1% of the forecast \$524,661 for use in the SMIRR forecast revenue requirement calculation for 2013.

As per the "OM&A Expenditures Allocated" in Table 1 below, the smart meter OM&A costs submitted for recovery in this application were \$350,061 for 2010, \$30,485 for 2011, \$33,136 for 2012 and \$72,065 for 2013 for all customer classes.

The drivers of the costs requested for disposition are the Total OM&A Expenditures and the % allocations for each year.

Change in Total OM&A Expenditures:

2011 vs. 2010 OM&A Expenditures

The OM&A Expenditures increased by approximately \$92K from \$350,061 in 2010 to \$441,932 in 2011 mainly attributable to the Trilliant ServiewCom Update costs of approximately \$67K and the Trilliant Mission Critical System Support Services costs of approximately \$23K.

2012 vs. 2011 OM&A Expenditures

The OM&A Expenditures fell by approximately \$30K from \$441,932 in 2011 to \$411,504 in 2012 mainly attributable to lower Trilliant ServiewCom Update costs which fell by approximately \$28K.

2013 forecast vs. 2012 OM&A Expenditures

The OM&A Expenditures are forecasted to increase by approximately \$113K from \$411,504 in 2012 to \$524,661 in 2013 due to the following:

- An increase of approximately \$66K for Smart Meter & Network Operations for an additional part time Network Analyst necessitated by the volume of work to operate the systems,
- ServviewCom cost increased by approximately \$24K for IT application and infrastructure support, which has increased to the point that additional effort and services are required from the software vendor, and
- As the work on the Smart Meter Program is complete and the AMI system is fully operational and all assets are in service and are used and useful in the manner in which they were intended; additional costs of approximately \$32K associated with operating and maintaining the physical infrastructure in the distribution system will require labour, trucking and material costs. Previously these costs were associated with the initial asset installation and formed part of the Capital Costs.

Due to the nature of the costs forecast for 2013; forecasted costs for smart meter OM&A Expenditures are expected to be annually recurring costs. The type of annual expenditures incurred each year since 2010 have persisted through to 2013 and have grown due to the nature of the work, the network infrastructure technical requirements, the physical asset maintenance and upkeep, and volume of work required due to the increased number of customer connections.

As a result of HOBNI's analysis pertaining to cost allocation, cost causality, and the analysis performed to answer this interrogatory, HOBNI has taken a closer look at the incremental OM&A Maintenance Expenditures associated with smart meters installed since HOBNI's last cost of service rate application in 2011. HOBNI has determined that the allocations originally submitted with this application for the 2013 forecasted smart meter OM&A Expenditures are not representative of the causes of the cost increases and HOBNI has recalculated the original smart meter OM&A costs submitted and has amended its application for the change in OM&A Expenditure.

Furthermore, as a result of this interrogatory and OEB staff interrogatory #3, HOBNI has updated the OM&A Expenditures it is seeking recovery for as detailed in Table 2 below.

Table 2 below provides the updated calculations HOBNI used to amend the OM&A Expenditures. In addition, HOBNI has updated the Smart Meter models and Rate Riders submitted with the responses to interrogatories as requested in OEB staff Interrogatories 5 and 6.

Per Table 2 below, HOBNI has determined that components of some of the costs forecasted in 2013 have grown substantially enough to justify that they are fully incremental to the costs that were included in HOBNI's 2011 Cost of Service Rate Application. In addition, HOBNI has updated the allocation percentages used to reflect the number of smart meters installed cumulatively for 2010 and 2011, and the LTD smart meters installed for both 2010 and 2011.

HOBNI has separated the following three OM&A Expenditure items totalling \$122,281 as fully incremental to 2013 rather than partially incremental and should be recoverable through the Smart Meter Incremental Revenue Rate Rider. The costs that HOBNI has updated to be fully incremental are as follows:

- Incremental Smart Meter Network Operations costs of \$66,332,
- Incremental Physical Infrastructure Operations and Maintenance of \$32,428, and
- Incremental Operations costs pertaining to the ServiewCom IT application and infrastructure support of \$23,521.

Table 2 below provides the determination of the updated OM&A expenditures HOBNI is seeking recovery for, as follows:

- No change to 2010 OM&A expenditures,
- 2011 OM&A has been updated to \$41,178,
- 2012 OM&A has been updated to \$35,832, and
- 2013 OM&A forecast has been updated to \$157,337

Table 2 also includes the determination of the updated % allocations that have been used to determine the OM&A Expenditures HOBNI is seeking recovery for. Note that 100% of the three items noted above totalling \$122,281 are being sought for recovery.

Table 2 also provides the OM&A Expenditures that HOBNI has used in the three Smart Meter models being resubmitted.

Hydro One Brampton Networks Inc.
Application for 2012 Smart Meter Cost Recovery
EB-2012-0440
Responses to Board staff Interrogatories
February 21, 2013

Table 2: Amended Total Actual & Forecasted OM&A Expenditures for 2010 to 2013

Description of Expenditure	2010	2011	2012	2013
	Actual	Actual	Forecast	Forecast
Labour	\$ 24,042	\$ 13,254		
Material	\$ 6,399			
SM Plans and Cellular Usage	\$ 43,143	\$ 32,625	\$ 46,915	\$ 36,000
Operations Costs, Infrastructure and Application Management, Software Upgrades	\$ 100,563	\$ 119,853	\$ 130,947	\$ 130,947
2013 Incremental Operation Costs, Infrastructure and Application Management				\$ 23,541
Smart Meter & Network Operations costs	\$ 162,000	\$ 179,780	\$ 182,153	\$ 182,153
2013 Incremental Smart Meter & Network Operation Costs				\$ 66,332
Trilliant ServiewCom Software Updates Services		\$ 66,738	\$ 38,411	\$ 40,000
Trilliant Help Desk , Monthly Mission Critical System Support Services		\$ 22,722	\$ 13,078	\$ 13,260
Physical Infrastructure Operations and Maintenance				\$ 32,428
Telephone Monthly Charges (SM Project Manager + SM Mechanic)	\$ 1,313	\$ 843		
Parts & Labour for Meter Base Repairs	\$ 10,665	\$ 3,136		
Miscellaneous	\$ 1,937	\$ 2,981		
Totals	\$ 350,061	\$ 441,932	\$ 411,504	\$ 524,661
Allocation Factor				
total meters installed LTD		137,076	137,133	137,133
meters installed 2010-2011		11,884		
meters installed 2010-2011-2012			11,941	11,941
Percentage of total meters installed	100.0%	8.7%	8.7%	8.7%
Allocated OM&A Expenditures (based on number of Smart Meters installed)				
Description of Expenditure	2010	2011	2012	2013
	Actual	Actual	Forecast	Forecast
Labour	\$ 24,042	\$ 1,149		
Material	\$ 6,399			
SM Plans and Cellular Usage	\$ 43,143	\$ 2,829	\$ 4,085	\$ 3,135
Operations Costs, Infrastructure and Application Management, Software Upgrades	\$ 100,563	\$ 10,391	\$ 11,402	\$ 11,402
2013 Incremental Operation Costs, Infrastructure and Application Management				\$ 23,541
Smart Meter & Network Operations costs	\$ 162,000	\$ 15,586	\$ 15,861	\$ 15,861
2013 Incremental Smart Meter & Network Operation Costs				\$ 66,332
Trilliant ServiewCom Software Updates Services		\$ 5,786	\$ 3,345	\$ 3,483
Trilliant Help Desk , Monthly Mission Critical System Support Services		\$ 1,970	\$ 1,139	\$ 1,155
Physical Infrastructure Operations and Maintenance				\$ 32,428
Telephone Monthly Charges (SM Project Manager + SM Mechanic)	\$ 1,313	\$ 73		
Parts & Labour for Meter Base Repairs	\$ 10,665	\$ 3,136		
Miscellaneous	\$ 1,937	\$ 258		
Totals Requested for Disposition	\$ 350,061	\$ 41,178	\$ 35,832	\$ 157,337
Smart Meters installed				
Residential and GS<50 kW	7,538	10,964	10,964	10,964
GS >50 KW	16	920	977	977
	7,554	11,884	11,941	11,941
OM&A used in Smart Meter Model:				
2010 Smart Meter Stub Year Model for Residential and GS<50 kW Classes	\$ 325,914			
OEB Smart Meter Model for Residential and GS<50 kWh	\$ 24,096	\$ 37,990	\$ 32,900	\$ 144,464
OEB Smart Meter Model for GS >50 KW	\$ 51	\$ 3,188	\$ 2,932	\$ 12,873
Total OM&A Requested for Disposition	\$ 350,061	\$ 41,178	\$ 35,832	\$ 157,337

- b) HOBNI did have maintenance expenses incurred for the GS 50-699 kW class; however, the maintenance costs were recorded under section “2.6 OM&A Costs related to Beyond Minimum Functionality”, subsection “2.6.2 Costs for deployment of smart meters to customers other than residential and small general service”. As HOBNI reported all costs associated with smart metering the GS 50-699 kW class as part of the costs beyond minimum functionality, HOBNI classified such costs in this manner.**

2. Ref: Smart Meter Model – Taxes/PILS Rates

HOBNI has input the following rates for taxes/PILS rates on Sheet 3 row 40, for the years 2006, 2007, 2008, 2009, 2010, 2011, 2012, and beyond. These are summarized in the following table:

Taxes/PILS								
Year	2006	2007	2008	2009	2010	2011	2012	2013
Aggregate Corporate 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%

Please confirm that these are the tax rates corresponding to the taxes or PILS that underpin distribution rates in each of the historical years, and that HOBNI forecasts it will pay in 2012 and 2013. In the alternative, please explain the tax rates input and their derivation.

Response:

HOBNI confirms that the tax rates used correspond with the payments in lieu of taxes that underpin distribution rates to the end of 2011; and, HOBNI confirms that the tax rates used for 2012 and 2013 are the tax rates that it forecasts it will pay for those years. HOBNI provides Table 3 below that provides the federal and provincial Corporate Income Tax Rates for the past 8 years used in the derivation of the Annualized Corporate Income Tax Rates found in Table 4 below.

Table 3: Corporate Income Tax Rates

Year	Federal		Provincial		Combined
	Date Effective	Tax Rate	Date Effective	Tax Rate	Annualized Tax Rate
2005	1-Jan-05	22.12%	1-Jul-05	14.00%	
2006	1-Jan-06	22.12%	1-Jul-06	14.00%	36.12%
2007	1-Jan-07	22.12%	1-Jul-07	14.00%	36.12%
2008	1-Jan-08	19.50%	1-Jul-08	14.00%	33.50%
2009	1-Jan-09	19.00%	1-Jul-09	14.00%	33.00%
2010	1-Jan-10	18.00%	1-Jul-10	12.00%	31.00%
2011	1-Jan-11	16.50%	1-Jul-11	11.50%	28.25%
2012	1-Jan-12	15.00%		11.50%	26.50%
2013		15.00%		11.50%	26.50%

Table 4: Annualized Corporate Income Tax Rates

Tax Year	Federal Rate	Provincial Rate	Total
2006	22.12%	14.00%	36.12%
2007	22.12%	14.00%	36.12%
2008	19.50%	14.00%	33.50%
2009	19.00%	14.00%	33.00%
2010	18.00%	13.00%	31.00%
2011	16.50%	11.75%	28.25%
2012	15.00%	11.50%	26.50%
2013	15.00%	11.50%	26.50%

In addition, the Ontario Capital Tax Rates which were eliminated on July 1, 2010, are consistent with the tax rates published on the [Ontario Ministry of Finance Website](#).

3. Ref: Application, Table 1.1 and Smart Meter Model

In its Application, HOBNI proposes the following SMDRs and SMIRRs for residential and GS < 50 kW customer classes:

		Residential	GS < 50 kW
SMDR	May 1, 2013 to December 31, 2013	\$1.39	\$1.39
SMIRR	May 1, 2013 until the effective date of rates HOBNI's next cost of service application	\$0.71	\$0.71

Board staff observes that HOBNI is proposing a SMDR for the GS < 50 kW class that is equal to the SMDR for the residential class. This appears unintuitive as in general, the Board's experience is that the average cost for a GS < 50 kW smart meter is greater than that for an average residential smart meter, due to a higher proportion of more expensive polyphase meters for customers with 2-phase or 3-phase service. This should mean that the GS < 50 kW SMDR is no less than, and generally would be greater than, that for the residential smart meter.

Please explain why HOBNI does not have the information on the costs and types of smart meters installed per class, since this information is necessary for allocating meter costs in a cost allocation model (i.e. Sheet I7.1 of the Board-issued Cost Allocation model from HOBNI's most recent Cost of Service application which would have had the volumes, costs and different types of meters to determine a capital weighted meter cost by class).

Response:

As Utilities were not specifically directed by the Board to record smart meter costs on a class-specific basis; HOBNI tracked and recorded costs on a combined basis, such that HOBNI does not have class specific cost information available.

Moreover, HOBNI acknowledges that smart meter costs (per class) information is available in the Board-issued Cost Allocation model that HOBNI submitted and the Board approved in HOBNI's 2011 forward test year Cost of Service rate application. Although this information is available, the data used to complete the 2011 Cost Allocation model was based on information that was forecasted in early 2010 and was long before the actual costs were known. Since then HOBNI has completed its Smart Meter

Program and the total actual costs are known, albeit on a class combined basis such that an allocation of smart meter costs between the Residential and the General Service < 50 kW classes of customers is required in order to establish class specific smart meter rate riders. HOBNI has taken a closer look at all data available and made estimates so a reasonable cost allocation can be made. However, HOBNI advises Board Staff to be cognizant that although the data HOBNI has mined is more current and reliable than what was used in its 2011 Cost Allocation model, estimates have been used that are not substitutes for direct costing.

In order to reasonably allocate and validate the smart meter costs between the Residential and General Service < 50 kW classes to be used in the Smart Meter models, HOBNI employed the following approach:

- i. Identified the number of smart meters by type that HOBNI installed for each specific customer class. This was done by querying the Customer Information System master files for all active customer accounts as of December 31, 2011 and used Metering Department information to determine the total number of Residential Class Smart Meters that were installed via mass deployment. The number of smart meters were analysed on a life-to-date basis, at this point, see Table 5 below,

Table 5: Number of Smart Meters Installed by Part Number by Customer Class

Total Smart Meters Installed				
Meter Part Number	Description	Residential	GS < 50 kW	Total
M780	SMART METER 240V 200A 1.5 EL.	126,131	965	127,096
M782	SMART METER NETWORK 200A 2 EL.	1,314	165	1,479
M791	3S SMART METER 1P-2W-1EL TX TYPE	503	122	625
M792	16S SMART METER 3P-4W-200A		5,895	5,895
M802	3PH 3W 120-480V 20A TX DMD MESH RADIO		92	92
M803	3PH 4W 120-480V 20A TX DMD MESH RADIO		682	682
M806	3PH 3W 600V 200A ENERGY SOCKT METER		272	272
M811	3PH 4W 120-480V 200A SOCKET DMD METER		15	15
M812	1PH 3W 240V 200A 2S NET METER		13	13
M813	1PH 2W 240V 20A TX TYPE DEMAND METER	1	3	4
Total Smart Meters		127,949	8,224	136,173
Smart Meters Installed by HOBNI Staff				
Meter Part Number	Description	Residential	GS < 50 kW	Total
M780	SMART METER 240V 200A 1.5 EL.	5,960	965	6,925
M782	SMART METER NETWORK 200A 2 EL.	1,314	165	1,479
M791	3S SMART METER 1P-2W-1EL TX TYPE	503	122	625
M792	16S SMART METER 3P-4W-200A		5,895	5,895
M802	3PH 3W 120-480V 20A TX DMD MESH RADIO		92	92
M803	3PH 4W 120-480V 20A TX DMD MESH RADIO		682	682
M806	3PH 3W 600V 200A ENERGY SOCKT METER		272	272
M811	3PH 4W 120-480V 200A SOCKET DMD METER		15	15
M812	1PH 3W 240V 200A 2S NET METER		13	13
M813	1PH 2W 240V 20A TX TYPE DEMAND METER	1	3	4
Total Smart Meters		7,778	8,224	16,002
Smart Meters Installed by 3rd Party Contractors				
Meter Part Number	Description	Residential	GS < 50 kW	Total
M780	SMART METER 240V 200A 1.5 EL.	120,171		120,171
M782	SMART METER NETWORK 200A 2 EL.			-
M791	3S SMART METER 1P-2W-1EL TX TYPE			-
M792	16S SMART METER 3P-4W-200A			-
M802	3PH 3W 120-480V 20A TX DMD MESH RADIO			-
M803	3PH 4W 120-480V 20A TX DMD MESH RADIO			-
M806	3PH 3W 600V 200A ENERGY SOCKT METER			-
M811	3PH 4W 120-480V 200A SOCKET DMD METER			-
M812	1PH 3W 240V 200A 2S NET METER			-
M813	1PH 2W 240V 20A TX TYPE DEMAND METER			-
Total Smart Meters		120,171	-	120,171

- ii. HOBNI queried data from its work order costing system to determine the unit cost of material of each type of smart meter, used contractor installation unit costs of mass deployed Residential Class smart meters, and estimated the average HOBNI cost to install each type of smart meter, see Tables 6a and 6b below

Table 6a: Total Average Unit Costs by Type of Smart Meter – HONBI Installed

Meter Part Number	Description	Total Unit Cost
M780	SMART METER 240V 200A 1.5 EL.	\$ 207.08
M782	SMART METER NETWORK 200A 2 EL.	\$ 293.59
M791	3S SMART METER 1P-2W-1EL TX TYPE	\$ 261.96
M792	16S SMART METER 3P-4W-200A	\$ 533.35
M802	3PH 3W 120-480V 20A TX DMD MESH RADIO	\$ 1,109.53
M803	3PH 4W 120-480V 20A TX DMD MESH RADIO	\$ 1,138.28
M806	3PH 3W 600V 200A ENERGY SOCKET METER	\$ 1,181.44
M811	3PH 4W 120-480V 200A SOCKET DMD METER	\$ 1,039.07
M812	1PH 3W 240V 200A 2S NET METER	\$ 261.67
M813	1PH 2W 240V 20A TX TYPE DEMAND METER	\$ 831.88

Table 6b: Total Average Unit Costs by Type of Smart Meter – Contractor Installed

Meter Part Number	Description	Total Unit Cost
M780	SMART METER 240V 200A 1.5 EL.	\$ 140.97

- iii. Determined a proxy capital cost of smart meters by customer class based on the number of smart meters installed, and the installed average unit capital cost of smart meters from i. and ii. above, respectively, see Table 7 below. Note as the mass deployment of residential smart meters was completed by the end of 2009, the smart meters that were installed for the Residential Class in 2010 and 2011 were installed by HOBNI staff.

Table 7: Total Estimated Capital Cost of Installed Smart Meters

Meter Part Number	Description	Residential	GS < 50 kW	Total
M780	SMART METER 240V 200A 1.5 EL.	\$ 18,175,199.57	\$ 199,834.30	\$ 18,375,033.86
M782	SMART METER NETWORK 200A 2 EL.	\$ 385,773.42	\$ 48,441.87	\$ 434,215.29
M791	3S SMART METER 1P-2W-1EL TX TYPE	\$ 131,768.36	\$ 31,959.72	\$ 163,728.09
M792	16S SMART METER 3P-4W-200A	\$ -	\$ 3,144,072.30	\$ 3,144,072.30
M802	3PH 3W 120-480V 20A TX DMD MESH RADIO	\$ -	\$ 102,077.08	\$ 102,077.08
M803	3PH 4W 120-480V 20A TX DMD MESH RADIO	\$ -	\$ 776,309.33	\$ 776,309.33
M806	3PH 3W 600V 200A ENERGY SOCKET METER	\$ -	\$ 321,352.31	\$ 321,352.31
M811	3PH 4W 120-480V 200A SOCKET DMD METER	\$ -	\$ 15,586.08	\$ 15,586.08
M812	1PH 3W 240V 200A 2S NET METER	\$ -	\$ 3,401.74	\$ 3,401.74
M813	1PH 2W 240V 20A TX TYPE DEMAND METER	\$ 831.88	\$ 2,495.64	\$ 3,327.52
Total Cost of Installed Smart Meter		\$ 18,693,573.23	\$ 4,645,530.37	\$ 23,339,103.59
Average Unit Cost by Class		\$ 146.10	\$ 564.87	\$ 171.39

- iv. As a data integrity check, HOBNI validated the reliability of the costs allocated by comparing total cost of smart meters determined from iii. above for each customer class to the combined life-to-date capital costs incurred to install smart meters for the Residential and the General Service < 50 kW customer classes, see Table 8 below.

Table 8: Total Life to Date Costs of Installed Smart Meters

Work Order #	Description	Combined Residential and & General Service < 50 kW - *				
		LTD 2009	2010	2011	2012	Subtotal
A084-1	Res SM Material	17,236,899.24	918,451.80	314,636.63	17,117.79	18,469,987.67
A084-2	Res SM Labour (Contract)	830,716.40	-	48,381.74		879,098.14
A084-3	Res SM Labour (In-house)	11,143.44	-	-		11,143.44
A084-4	Res SM Material (Contract)	4,298.00	-	-		4,298.00
A084-5	Res SM Warranty Repairs	160,379.60	(95,558.45)	36,243.97		101,065.12
A084-6	Meter Base Repairs (In-house)	121,082.38	30,434.23	3,051.97		154,568.58
A084-7	Meter Base Repairs (Contract)	160,215.68	44,309.21	12,115.70		216,640.59
A084-9	Res SM IT Development	-	-	-		-
A180-1	SM Capital Non-Material	740,345.62	347,224.29	506,080.59		1,593,650.50
A180-2	SM Administration					
A180-3	SM Computer Equipment					
A180-4	SM Trilliant AMI Network Design					
A180-9	SM Capital Non-Material IT Development					
A356-1	Commercial SM Material	-	1,697,041.20	128,652.22	(60,558.46)	1,765,134.96
A356-3	Commercial SM Labour	-	283,437.35	63,454.74	122,367.86	469,259.95
		\$ 19,265,080.36	\$ 3,225,339.63	\$ 1,112,617.56	\$ 78,927.19	\$ 23,664,846.95

* - Total installed cost of Smart Meters only.

The life-to-date smart meter material and installation costs incurred by HOBNI for its Smart Meter Program was \$23,664,846.95 per Table 8 above, and the total estimated material and installation costs per Table 7 were \$23,339,103.59. Approximately 98.6% of the total costs incurred are accounted for using this approach; HOBNI concluded that on the whole this approach yielded reasonable results.

- v. Based on the preceding information HOBNI then determined the cost allocation percentages for use in the OEB Smart Meter Model for 2010 to 2011 and in the 2010 Stub Year model. In Table 9a below, for the Residential class an average installed unit capital cost of \$207.08 was used as determined in Table 6a above, and for the General Service < 50 kW class the average installed unit capital costs used were \$564.87 as determined in Table 7 above.

As per Table 9a, the total material and installation costs applied for by HOBNI in this final disposition application were \$4,416,675.42, the difference between this amount and \$3,929,175.57 of \$487,499.85 was allocated based on the number of smart meters installed for each class. Non installation costs for Smart Meter Administration & Non-Material IT Development costs of \$496,759.26 were also allocated based on the number of smart meters installed for each class. Lastly, Computer Software and AMI Design costs of \$1,204,937.41 were allocated based on Life-to-Date ("LTD") number of smart meters installed by customer class, as this capital was required so all smart meters could function as part of the AMI network.

Table 9a: Smart Meter Capital Cost Ratios for 2010 to 2011 Smart Meter Model

Description	Residential	GS < 50 kW	Total
LTD 2009 Smart Meters Installed	121,622	3,570	125,192
2010 Smart Meters Installed	3,221	4,317	7,538
2011 Smart Meters Installed	3,107	319	3,426
LTD 2011 Smart Meters Installed	127,950	8,206	136,156
# Installed - 2010 to 2011	6,328	4,636	10,964
Average installed unit capital cost per meter	\$ 207.08	\$ 564.87	\$ 358.37
Total Installed Cost of SM	\$ 1,310,415.99	\$ 2,618,759.58	\$ 3,929,175.57
Additions:			
Costs Above Average Costing	\$ 281,366.20	\$ 206,133.65	\$ 487,499.85
Total Expected Cost of Installed SM	\$ 1,591,782.19	\$ 2,824,893.23	\$ 4,416,675.42
Addition of Costs Allocated :			
Smart Meter Administration & Non-Material IT Development	\$ 286,710.38	\$ 210,048.88	\$ 496,759.26
Computer Software & AMI Design	\$ 1,132,316.91	\$ 72,620.50	\$ 1,204,937.41
Smart Meter Costs to Allocate	\$ 3,010,809.48	\$ 3,107,562.60	\$ 6,118,372.09
Ratio for 2010 - 2013 Smart Meter Model	49.21%	50.79%	100.00%

Based on the preceding cost allocation approach, it was determined that 49.21% of the total smart meter capital costs requested for disposition of \$6,118,372.09 pertained to the Residential class, and the balance of 50.79% pertained to the General Service < 50 kW class. These percentage allocations were based on best data available coupled with the assumptions as stated above. These allocation percentages were used to apportion the revenue requirement calculated in the OEB Smart Meter model, between the Residential and General Service < 50 kW classes, in Tabs "10A. Cost_Alloc_SMDR" and "10B. Cost_Alloc_SMIRR".

Table 9b below determines the percentage allocations to use in the Smart Meter 2010 Stub Year model. The allocation below, assumes that the 2010 Stub Year costs are allocated based on Smart Meter Capital Cost installed by customer class to December 31, 2009. The allocations are based on the proxy amounts per Table 7 above less the estimated installed cost of smart meters put into service in 2010 and 2011, i.e from Table 9a.

Table 9b: Smart Meter Capital Cost Ratios for 2010 Stub Year Smart Meter Model

Description	Residential	GS < 50 kW	Total
Total LTD 2011 Cost of Installed Smart Meters	\$ 18,693,573.23	\$ 4,645,530.37	\$ 23,339,103.59
Less Installed cost of Smart Meters for 2010 - 2011	\$ (1,310,415.99)	\$ (2,618,759.58)	\$ (3,929,175.57)
Total LTD 2009 Cost of Installed Smart Meters	\$ 17,383,157.24	\$ 2,026,770.79	\$ 19,409,928.02
Stub Year	89.56%	10.44%	100.00%

4. Ref: Operational Efficiencies and Cost Saving

On page 19 of *Guideline G-2011-0001: Smart Meter Funding and Cost Recovery – Final Disposition*, the Board states:

“In considering the recovery of smart meter costs, the Board also expects that a distributor will provide evidence on any operational efficiencies and cost savings that result from smart meter implementation.”

- a) Please discuss operational efficiencies and cost savings achieved by HOBNI. In particular, please identify any operational efficiencies, cost savings or other benefits incremental to any reflected in HOBNI's 2011 Cost of Service application.
- b) With respect to any incremental operational efficiencies or savings identified in a), please explain how these have been reflected in this Application.

Response:

- a) **The installation of smart meters in HOBNI's service territory for all Residential and General Service customers < 200 kW will eliminate the need for manual meter reads for these customers. In HOBNI's 2011 Cost of Service application, HOBNI submitted the following actual and forecasted expenses for 2008 to 2011.**

5310 Meter Reading Expense	
2008	(861,229.95) Actual
2009	(683,555.40) Actual
2010	(242,752.00) Forecasted
2011	(332,414.00) Forecasted

The majority of these costs are associated with manual meter reading. As illustrated in the above table, HOBNI has saved approximately \$1.3M since 2008 on meter reading costs. These cost savings were reflected on our 2011 Cost of Service rate application and therefore reflected in the current revenue requirement.

Smart Meters also provide the customer with hourly consumption and will help to facilitate the customers control over their usage. This

will prove beneficial to customers, but there will be no direct savings to HOBNI.

Smart meter data can be used by HOBNI to in order to provide more accurate unbilled information on a monthly basis. Although there is no direct financial benefit to HOBNI, it will facilitate more accurate revenue estimations and PBR reporting data.

HOBNI will also be considering utilizing its AMI to operate remote meter disconnects. This will allow HOBNI to remotely disconnect meters for final billing purposes or nonpayment and reduce the trucking and labour costs of performing this function manually. Since this is a future project for consideration, it is not possible to determine the costs savings as program implementation costs are unknown at this time.

HOBNI's smart meters are equipped with the ability to provide outage management information. Once this program is implemented, HOBNI will be able to detect a customer outage immediately. As this program is under development, it is unknown what cost savings are associated with this project.

- b) As noted above, it is not possible to quantify these expected future savings associated with the proposed projects as they have not been fully developed. As a result, the expected costs associated with their implementation are not known at this time. Because of this, this application does not reflect any future savings associated with these projects.**

5. Ref: Smart Meter Model

If HOBNI has changed its inputs to the Smart Meter Model as a result of any of the above interrogatory responses, please update and re-file the Smart Meter Model in working Microsoft Excel format, using version 3.00 of the model.

Response:

HOBNI has updated the OEB Smart Meter model and the 2010 Stub Year model to establish class specific SMDR and SMIRR rate riders for the Residential and General Service < 50 kW classes. The updated models are included in Appendices A and B.

In addition, Appendix C, includes the updated OEB Smart Meter model for the General Service 50 – 699 kW class, Appendix D includes the updated carrying charge calculations for January 1 to April 30, 2013 used in the OEB Smart Meter models, and Appendix E includes updated tables for SMDR Model Mapping, and Bill Impact Tables. The Bill Impact Tables have been updated to include HOBNI's current rates which were implemented on January 1, 2013.

6. Ref: Cost Allocation

- a) If HOBNI has made revisions to its Smart Meter Model as a result of its responses to interrogatories, please update the proposed class-specific SMDRs accordingly.
- b) Similarly, please update the calculation of class-specific SMIRRs.

Response:

- a) **HOBNI has updated the Smart Meter Models to reflect changes to the class specific SMDRs. Table 10 below provides a summary of the updated SMDRs.**

Table 10: Class Specific Smart Meter Disposition Rate Riders

Customer Class	Revenue Requirement	SMFA Collected	Carrying Charges	True Up	Forecast Customers	Disposition Period - Months	Rate Rider
Residential	\$ 3,939,220	\$(3,524,531)	\$(39,753)	\$ 374,936	132,507	8	\$ 0.35
General Service < 50 kW	\$ 1,446,217	\$ (223,427)	\$ 10,550	\$1,233,339	8,600	8	\$ 17.93
General Service 50 to 699 kW	\$ 323,208	\$ (42,297)	\$ 770	\$ 281,681	1,521	8	\$ 23.15
Total	\$ 5,708,645	\$(3,790,255)	\$(28,433)	\$1,889,956	142,628		

- b) **HOBNI provides an updated calculation of class-specific SMIRRs in Table 11 below.**

Table 11: Class Specific Smart Meter Incremental Revenue Rate Riders

Customer Class	Forecasted Customers	2013 Incremental Revenue	Monthly Charge
Residential	132,507	\$ 644,903	\$ 0.41
GS<50kW	8,600	\$ 635,890	\$ 6.16
GS>50kW	1,521	\$ 181,321	\$ 9.93
Total	142,628	\$ 1,462,115	

7. Ref: Application, page 16 – Smart Metering Charge

HOBNI notes that no costs for the MDM/R are included for recovery in this Application, and that the amount, allocation and recovery mechanism for the Smart Metering Charge (“SMC”) is being considered separately in another application under File No. EB-2012-0011. HOBNI then goes on to state:

HOBNI understands that these costs could be deferred for future recovery. If this is the case, HOBNI submits that Account 1556 would then be used to track costs related to the Provincial MDM/R for future disposition. Therefore, HOBNI does not propose to close account 1556 at this time.

What is the basis for HOBNI stating that Account 1556 be used for tracking the costs, and potentially, the recovery of the SMC?

Response:

The Board is currently adjudicating the Independent Electricity System Operator’s (IESO) application (as Smart Meter Entity) for the approval of a Smart Metering Charge (SMC) effective July 1, 2012 to December 31, 2017. In the Board’s Decision and Order on Issues List November 2, 2012, cases EB-2012-0100 and EB-2012-0211, the allocation and recovery of the SMC and the SME/LDC Agreement¹ have not been included in the scope of the final issues list. It is not known how soon after the Board’s decision on proceeding EB-2012-0100, will the Board decide on proceeding EB-2012-0211 on the allocation and recovery of the SMC and the SME/LDC Agreement.

To clarify, if the IESO commences billing HOBNI the SMC before the Board decides on the recovery of the Smart Meter Charge from customers, case EB-2012-0211, HOBNI requests that it be permitted to use account 1556 to capture the amount SMC paid to the IESO for future disposition. As an alternative, if the Board determines that both accounts 1555 and 1556 should no longer be used, then HOBNI proposes to use account 1508 Other Regulatory Assets under a new Sub-account Smart Meter Cost Variance.

¹ DECISION AND ORDER ON ISSUES LIST November 2, 2012, Final Issues List, SME Application for Smart Metering Charge, page one footnote 1.

8. Ref: Application, pages 25-26 – Depreciation Expense

Please confirm that HOBNI has used the “Half-year” rule for calculating the depreciation expense related to smart meter capital costs in the first year (i.e., the year that the assets go into service), for the depreciation expenses documented in Table 4 and explained on pages 25 and 26. If not, please explain why.

Response:

HOBNI confirms that it used the “Half-year” rule for calculating depreciation expense related to smart meter capital costs in the year that the assets went into service, as totalled in Table 4 on page 26 of 55.

9. Ref: Application, page 27 – Actual versus Forecast Variances

The following questions relate to Table 7.

- a. Please explain the overage of \$1,158,237 for Smart Metering Computer Software (\$1,191,937 actual versus \$33,700 budget).
- b. Please explain the underage of (\$581,617) for Smart Metering Capital IT Development (\$227,308 actual versus \$808,925 budget).

Response:

Preamble – Upon further review of forecast capital costs that were submitted with its previous 2011 Smart Meter disposition application HOBNI determined that \$808,925 was classified as Smart Metering Capital IT Development and \$33,700 had been classified as Smart Metering Computer Software. These forecast amounts should be reversed. \$33,700 should have been forecast as Smart Metering Capital IT Development and \$808,925 should have been classified as Smart Metering Computer Software. HOBNI provides Table 12 below showing the actual costs, original forecast costs, and updated forecast costs.

Table 12: Actual vs Forecast Capital Cost for 2010 to 2012 (Updated)

Capital Category	Actual	Forecast in 2011 COS Application	Adjusted Forecast for 2011 COS Application	Over (under)
Smart Meter Material	\$ 3,722,826	\$ 3,213,409	\$ 3,213,409	\$ 509,417
Smart Meter Labour (in-house)	\$ 1,725,368	\$ 680,502	\$ 680,502	\$ 1,044,866
Smart Meter Labour (contract)	\$ 48,382	\$ -	\$ -	\$ 48,382
Meter Base Repair (in-house)	\$ 33,486	\$ 667,128	\$ 667,128	\$ (633,642)
Meter Base Repair (contract)	\$ 56,425	\$ 5,743	\$ 5,743	\$ 50,682
Smart Metering Management Labour and Truck	\$ 269,451	\$ 245,268	\$ 245,268	\$ 24,184
Smart Metering Computer Software	\$ 1,191,937	\$ 33,700	\$ 808,925	\$ 383,012
Smart Metering AMI Network Design	\$ 13,000	\$ 25,000	\$ 25,000	\$ (12,000)
Smart Metering Capital IT Development	\$ 227,308	\$ 808,925	\$ 33,700	\$ 193,608
Total	\$ 7,288,184	\$ 5,679,675	\$ 5,679,675	\$ 1,608,508
Number of Smart Meters Installed	11,941	8,390	8,390	3,551
Capital Cost per Meter Installed	\$ 610.35	\$ 676.96	\$ 676.96	\$ (66.61)

- a) Based on the preceding Table 12, the overage for the Smart Metering Computer Software has been adjusted to \$383,012 (\$1,191,937 actual versus \$808,925 budget). This cost variance was due to a decision to expand the original scope of work to include the development of a system recovery solution not previously incorporated in the original plan. At the time of the development of the system required for communications and processing of smart metering data, a decision had been made that system recovery would not be implemented. That meant that the head-end system was being operated without an active system recovery plan in the event of material failure at the data centre. Since our phased implementation, it had been identified that further service requirements that include the implementation of system recovery and the migration to production of SerViewCom 1.60.10 and Unity Suite 9.x. had to be implemented. In order to accommodate this requirement, additional programming and development work had to be done in order to incorporate these new requirements. The above identified variance is a result of these changes to our original scope of work.
- b) Based on the preceding Table 12, the overage for the Smart Metering Capital IT Development has been adjusted to \$193,608 (\$227,308 actual versus \$33,700 budget). This cost variance is associated with additional programming requirements, associated with interfacing HOBNI's CIS with the MDMR. Various programs were developed, tested and implemented for TOU billing. This included work to ensure proper synchronization of customer data, meter changes and the retrieval of data associated with TOU billing.

TAB 2
SCHEDULE 1.0
RESPONSES TO VECC
INTERROGATORIES

EB-2012-0440

**Hydro One Brampton Networks Inc.
2012 Smart Meter Cost Recovery
EB-2012-0440**

**Responses to Vulnerable Energy Consumers Coalition (VECC)
Interrogatories**

VECC Question # 1

Reference: Application, Page 11

Preamble: The evidence indicates HOBNI previously applied for disposition and recovery of smart meter costs on two separate occasions (EB-2007-0882 & EB-2010-0132).

- a) Please provide a schedule that summarizes the total capital and OM&A smart meter costs (show minimum functionality and costs beyond minimum functionality separately), the total number of installed meters and total unit costs per installed meter approved in EB-2007-0882 & EB-2010-0132.
- b) Please confirm the types and quantities of smart meters installed by customer class for each application noted above.
- c) Please provide the average unit cost of installed meters by customer class previously approved in EB-2007-0882 & EB-2010-0132.
- d) Please confirm the SMDR and SMIRR rate riders by customer class for each application noted above.
- e) Please provide the planned date for HOBNI's next cost of service application.

Response:

- a) Table 13 below provides a summary schedule of data from the previous OEB decisions – EB-2007-0882 and EB-2010-0132.**

Table 13: OEB Approved Capital and OM&A Expenditure (2006 to 2009)*

Description	2006 to 2009 OEB Approved
Minimum Functionality Costs	\$ 17,440,950
Cost Beyond Minimum Functionality	\$ 2,372,388
Total Capital	\$ 19,813,338
Total OM&A Costs	\$ 343,345
Total Smart Meter Costs	\$ 20,156,683
Total Number of Smart Meters Installed	125,192
Average Cost per Smart Meter Installed	\$ 161.01
* - Previously approved costs are based on OEB decisions EB-2007-0882 & EB-2010-0132	

- b) HOBNI did not track the data being requested by VECC and it is not readily available; however, HOBNI was able to query the meters that were active on customer's premises as at December 31, 2011 and has provided the quantities of smart meters by customer class in aggregate, in Table 14 below. The quantities in Table 14 are effectively the cumulative number of Smart Meters installed by customer class, with some minor differences.

Table 14: Active Smart Meters on Customers Premises as at December 31, 2011

Meter Part Number	Description	Residential *	General Service < 50 kW *	General Service 50-699 kW **	Total
M780	SMART METER 240V 200A 1.5 EL.	126,131	965		127,096
M782	SMART METER NETWORK 200A 2 EL.	1,314	165		1,479
M791	3S SMART METER 1P-2W-1EL TX TYPE	503	122		625
M792	16S SMART METER 3P-4W-200A		5,895		5,895
M802	3PH 3W 120-480V 20A TX DMD MESH RADIO		92	23	115
M803	3PH 4W 120-480V 20A TX DMD MESH RADIO		682	810	1,492
M806	3PH 3W 600V 200A ENERGY SOCKT METER		272		272
M811	3PH 4W 120-480V 200A SOCKET DMD METER		15	134	149
M812	1PH 3W 240V 200A 2S NET METER		13		13
M813	1PH 2W 240V 20A TX TYPE DEMAND METER	1	3	10	14
Total Active Smart Meters as at December 31, 2011		127,949	8,224	977	137,150

* The smart meter quantities for the Residential and General Service < 50 kW classes are based on the Active Meter Master file as at December 31, 2011, which is reflective of the smart meters associated with all metered customer premises. Actual meters installed by year data is not available. Note there are small differences between the quantities reported in this table vs the number of meters actually installed by year due to customer reclassifications between the General Service customer classes, and other electrical service changes.

** The smart meter quantities for the General Service 50-699 kW class is based on the meters installed in 2011 and 2012.

Note: Some small differences in number of meters as compared to Table 2, page 18 of 55 of the application due to customer reclassifications between GS < 50 kW and GS 50-699 kW classes and other electrical service related changes.

- c) The Board did not approve the average unit cost of installed meters by customer class in its two previous smart meter applications. The Board approved an average unit cost of installed meters as a combined unit cost for the Residential and the General Service < 50 kW Classes. HOBNI is unable to provide the information requested as it is not available.**
- d) The Board did not approve SMDR or SMIRR rate riders by customer class in its two previous smart meter applications. The Board approved a single SMDR and SMIRR used by both the Residential and General Service < 50 kW customer classes. In response to OEB staff interrogatory #3 HOBNI has updated the Smart Meter Models and allocated costs between the Residential and General Service < 50 kW classes. Please refer to responses to OEB staff interrogatory 6 a) and 6b) for updated SMDR and SMIRR rate riders by customer class.**

- e) HOBNI's plans of filing its next Cost of Service rate application for 2015 rates by April 2014, based on the Board's deadline.**

VECC Question # 2

Reference: Application, Page 12

- a) The evidence indicates the application is based on costs to September 30, 2012. Please update Table 1 Summary of Audited vs. Unaudited Smart Meter Program Costs to reflect updated 2012 actuals and forecasted costs for the balance of 2012 if required and 2013.

Response:

Table 1 has been updated to reflect 2012 audited actual costs. The forecast for 2013 has been updated to reflect more representative OM&A cost allocations for the year based on the activities as originally filed. See response to OEB staff interrogatory 1 a) for further information.

Table 15: Audited vs Unaudited 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	\$ 31,683.31	\$ (86,646.75)	\$ (54,963.44)	\$ 27,776,472.88	Y	100.20%
2013	\$ 157,336.70	\$ -	\$ 157,336.70	\$ 27,933,809.58	N	99.63%

VECC Question # 3

Reference: Application, Page 13, lines 7-11

- a) Please explain the need and discuss in more detail the work and cost required in 2013 for polyphase meters related to “firmware and hardware related communications issues” to make them fully functional with the AMI.

Response:

- a) Residential and small general service customers are billed on kwh consumption. The software requirements to bill these customers are fully functional with ServiewCom. However, customers with polyphase meters who are billed on both demand and energy values require additional firmware and programming in order to extract the demand component of the customers usage.

In some cases, additional hardware such as repeaters have been required for customers who signal strength of the transmission of their smart meter has been attenuated by various obstacles. For instance, in some cases, customer's meters are located in a buildings underground facility or are surrounded by a steal encasement. In these cases, these physical obstacles do not readily allow the smart meter transmission to propagate out beyond these obstructions. Repeaters may be installed in order to ensure that the signal from the smart meter gets to a collector.

VECC Question # 4

Reference: Application, Page 13, lines 17-24

- a) Please explain why and how HOBNI was unable to reliably disaggregate smart meter costs between residential and GS<50 kW customers.
- b) Please explain why and how HOBNI was able to reliably segregate smart meter costs for the GS 50 to 699 kW class.

Response:

- a) HOBNI did not segregate smart meter costs by customer class in accounts 1555 and 1556 as its cost tracking system was not set up to separate costs between customer classes as this was not a Board smart meter filing requirement. Note however; that in HOBNI's responses to OEB staff interrogatory #3, HOBNI has disaggregated smart meter costs between the Residential and General Service < 50 kW customer classes.
- b) One of the smart meter filing requirements is to clearly identify and support all costs beyond minimum functionality². Since the installation costs of smart meters for the General Service > 50-699 kW class is a cost beyond minimum functionality HOBNI set up its cost tracking system to segregate its smart meter costs for this class so it could obtain cost recovery.

² Guideline G-2011-0001, Smart Meter Funding and Cost Recovery – Final Disposition, December 15, 2011, page 17.

VECC Question # 5

Reference: Application, Page 22, lines 5-14

- a) Please discuss if the smart meter system architecture purchased by HOBNI that facilitates an outage management notification system was approved by the Board for residential and GS<50 kW customers in prior applications (EB-2007-0882 & EB-2010-0132) and included in the determination of the rate riders. If not, why not?
- b) Please provide the incremental capital cost per meter for smart meters with capabilities beyond the minimum functionality requirement as per part (a) approved by the Board in prior applications (EB-2007-0882 & EB-2010-0132).

Response:

- a) In its previous application EB-2010-0132, HOBNI submitted that:

“In the course of selecting an Advanced Metering Infrastructure (AMI), Hydro One Brampton wanted to select a system that could be leverage in a way that would best serve its customers. The company saw merit in choosing a system that would not only provide AMI capabilities, but also facilitate an outage management response system. This system will allow Hydro One Brampton operators to identify customer outages in real time and facilitate a faster response and restoration times³.”

HOBNI also submitted that the incremental costs associated with purchasing Smart Meters with capabilities beyond the minimum functionality requirement outlined by the OEB was approximately \$2.4 million to the end of 2009.

The Board approved HOBNI's submission including the cost of HOBNI's AMI system and the incremental costs of meters with the capability of facilitating an outage management response system. These costs were included in the determination of the rate riders.

- b) As indicated in part a), the Board approved incremental capital costs per meter for smart meters with capabilities beyond the minimum functionality requirements of \$18.95 per meter, in its previous application EB-2010-0132.

³ HOBNI's Cost of Service Rate Application EB-2010-0132 Exhibit 9, Tab 3, Schedule 1.1 – Costs Beyond Minimum Functionality.

VECC Question # 6

Reference: Application, Page 24

- a) Please explain why HOBNI tracked the capital and OM&A expenditures and depreciation expenses separately for the GS 50-699 kW customer class, and not for the other customer classes.
- b) Please explain how HOBNI tracked the capital and OM&A expenditures and depreciation expenses for the residential and GS<50 kW customer classes.

Response:

- a) See response to VECC question #4 b). The response to this question is effectively the same; however, as much of the OM&A costs incurred were common costs benefitting all classes it was not possible to break out specific costs per customer class, therefore HOBNI allocated the OM&A costs between the GS 50-699 kW class and the low volume customer classes on the basis of number of smart meters installed.
- b) When HOBNI commenced its Smart Meter Program it set up work orders in its work order costing system to capture Capital and OM&A costs by cost activity, they were not set up to segregate between the Residential and the General Service < 50 kW customer classes. HOBNI did not create dual groupings of work orders to capture the costs for each class exclusively since there was not a Board requirement to report costs on a customer class basis.

All costs by activity were captured on a combined bases, such that for example, all material, labour and vehicle costs for the various activities were combined and include costs to install, operate and maintain smart meters for both the Residential Class and the General Service < 50 kW customer classes. As many of the source data that drive costs were not broken out by customer class at the time the activities were performed it is now not possible to reliably break out those costs after the activities were completed.

Note however, that in its responses to OEB staff interrogatory #3, HOBNI has disaggregated smart meter costs between the Residential and General Service < 50 kW customer classes.

VECC Question # 7

Reference: Application, Page 27, Table 6

- a) Of the 11,941 smart meters installed from 2010 to 2012, please provide the total number of polyphase meters and single phase meters installed.
- b) Please provide a breakdown of the number of polyphase meters installed by customer class.

Response:

- a) HOBNI does not have the data available to determine the total number of single phase or polyphase smart meters installed by calendar year.
- b) HOBNI does not have the data available to provide a breakdown of the data requested in a) above for the polyphase smart meters installed by customer class, by year. HOBNI is able to provide the total number of smart meters installed for its entire smart meter program, per Table 16 below. Table 16 provides the number of single phase and polyphase meters by customer class for HOBNI's entire Smart Meter Program.

Table 16: Total Number of Smart Meters Installed For Program – By Type of Phase By Class

Customer Class	Number of Single Phase Meters	Number of Poly Phase Meters	Total Meters
Residential Class	127,949		127,949
General Service < 50 kW	1,268	6,956	8,224
General Service > 50-699 kW	10	967	977
Totals	129,217	6,956	136,173

VECC Question # 8

Reference: Application, Page 33, Table 10

- a) Please explain the variance in SM operating expenses, actual compared to forecast.
- b) Please explain the nature of the following costs: communication costs meter reading, HONI operations costs meter read and communications costs meter read.

Response:

- a) With respect to the variance for SM Operating Expenses , it should not be looked at in isolation from other SM OM&A accounts as there is an overlap in activities between this expense category and the SM Maintenance Expenses category. To have a better understanding of the variances for these two expenses the Actual costs and the Forecast costs should be compared on a combined basis.

Table 17: Smart Meter Operating & Maintenance Expenses Category

Expenditure Description	Actual Costs	Forecasted Costs	Variance Over/(Under)
Sm Operating Expenses	\$ 327,613	\$ 236,669	\$ 90,944
SM Maintenance Expenses	\$ 24,858	\$ 333,904	\$ (309,046)
Total SM O&M	\$ 352,471	\$ 570,573	\$ (218,102)

Based on the preceding Table 17 there is a favourable variance of \$(218,102) on a combined basis. On the whole, OM&A expenses are considerably lower than what was forecasted due to more of the Smart Meter work being capital work rather than OM&A related work. HOBNI cautions that the forecasts submitted with the last smart meter disposition filing were not actually budgeted and approved expenditures for the smart meter program, the forecasts were approximations based on best information at that time.

- b) Communication Costs Meter Reading - These are costs associated with communicating to the regional collectors and downloading the hourly meter reads for all meters associated with the collector. HOBNI utilizes a Bell Canada's cellular network to achieve this function.

HONI Operations Costs Meter Read – HOBNI has a contract with HONI for services relating to HOBNI's share of costs associated with the information technology, information software application and Infrastructure Management costs (computers servers and storage).

Communication Costs Meter Read: Under the contract mentioned above, these costs are for services from HONI for daily file transmission to the MDMR.

VECC Question # 9

Reference: Application, Page 34, lines 13-19

- a) Please confirm the additional number of collectors and repeaters installed so data would flow from source to destination.
- b) Please discuss if HOBNI's contract with Trilliant considers the responsibility of costs (Trilliant vs. HOBNI) to achieve system stability (i.e. costs to install additional collectors and repeaters).

Response:

- a) The contract between HOBNI and Trilliant segregated the city into a series of "Production Areas" These areas were basically identical to HOBNI's billing cycles. Due to overlap of hardware and geographical coverage, it was agreed upon that a production area was completed when 98% of all meters were fully functioning. Based on this criteria, there were no additional collectors or repeaters required to achieve completion of these production areas.
- b) As per the above, the contract between HOBNI and Trilliant defined that a "Production Area" was completed and was to be signed off when 98% of all meters were fully functioning. Trilliant was responsible for the costs of all material to achieve the above criteria for all residential and GS<50 kw customers. Any additional collectors and repeaters required were to be installed at HOBNI's expense. In some cases, additional collectors and repeaters were required to ensure further connectivity, stability and to accommodate our GS > 50 kW < 200 kW customers for future growth. These costs were the responsibility of HOBNI.

VECC Question # 10

Reference: Application, Page 35, lines 1-3

- a) Please provide the data HOBNI relies upon to make the statement "...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".

Response:

In the evidence provided by HONBI in its Smart Meter Application in "Table 2: Smart Meter Program Status" page 18 of 55 the table indicates that 319 meters were installed in 2011 for the General Service < 50 kW class, and 904 smart meters were installed for the General Service > 50 kW class. The General Service 50-699 kW class had only 10 smart meters installed by the end of 2012 that were Single Phase meters.

Based on the proceeding a conservative assumption was made that all of the 319 smart meters installed for the General Service < 50 kW class smart meters were polyphase meters; and, 894 (904 – 10 Single Phase meters) smart meters installed for the General Service 50-699 kW class were polyphase meters. It was concluded that the majority of polyphase smart meters installed were for the General Service 50-699 kW class.

HOBNI's average material cost per unit for a polyphase meter for the General Service < 50 kW class was approximately \$480, whereas the average material cost per unit for a polyphase meter for the General Service 50-699 kW class was approximately \$920.

In addition, for the General Service 50-699 kW class, HOBNI only installed smart meters for customers with demands less than 200 kW in 2011 as part of HOBNI's smart metering implementation plan. As per HOBNI's Conditions of Service, all General Service 50-699 kW class customers with demands 200 kW or greater are required to have an interval meter.

Based on the above information, HOBNI concluded that the majority of the higher cost polyphase meters that were installed in 2011 were for the General Service 50-699 kW class.

VECC Question # 11

Reference: Application, Page 49, lines 10-14

Preamble: The evidence indicates HOBNI was unable to break out cost data between the residential and GS<50 kW class customers reliably enough to allocate reasonably between classes but was able to run a combined class model separately from the GS 50 to 699 class model since HOBNI was able to break out cost data in sufficient enough detail to do so.

- a) Please discuss the cost data HOBNI has separately for the residential and GS<50 kW customer classes.
- b) Please comment on the cost to install a polyphase meter in the GS<50 kW class compared to the GS 50 to 699 kW class.

Response:

a) HOBNI has the following separate cost data for the Residential and General Service < 50 kW classes:

- Number of smart meters in the distribution system by type as physically connected to the customer's premises as at December 31, 2011.
- Estimated average installed cost for each type of smart meter, for both HOBNI installed and 3rd party contractor installed.

Note that in response to OEB staff interrogatory #3, HOBNI has presented this data and used it to allocate smart meter capital costs between the Residential and the General Service < 50 kW customer classes.

b) Customers with polyphase meters in the General Service < 50 kW are generally grouped together in electrical rooms. This facilitates installation efficiencies as travel time and setup; in addition, trucking and labour costs are considerably reduced on a per meter basis. Whereas, a General Service 50-699 kW customer is usually at an individual address and requires access through the customer's facility.

In addition, there are greater complexities associated with arranging customer outages with a General Service 50-699 kW customer than there are for a General Service < 50 kW customer. Also, the Ministry of Labour requires additional manpower when working with voltages greater than 300 volts.

VECC Question # 12

Reference: Smart Meter Recovery Model, Residential & GS<50 kW, 20121214, Sheet 2

- a) Please explain the negative entry (\$239,602) under capital costs, line 1.1.1 Smart Meters, in 2012.
- b) Please explain the installation costs in 2012 of \$305,750 since no smart meters are shown as being installed in 2012.
- c) Please provide a breakdown of the \$1,339,603 in 2011 under line 1.3.2 computer software.
- d) Please explain the negative entry (\$147,666) in 2012 under line 1.3.2 computer software.
- e) Please provide a breakdown and details of the costs under line 1.6.1 by year.
- f) Please explain the costs under line 2.2.1 maintenance costs and account for the increase in 2013.

Response:

- a) **Table 18 below provides a summary of the components that relate to the entry of (\$239,602) in the combined OEB Residential and General Service < 50 kW model.**

Material returns in 2012 that were originally issued from stores for deployment in 2011 were not installed in 2011, but were subsequently returned to stores in 2012 and credited to smart meter material capital costs. In addition, material returns also included materials that were installed prior to 2012 but subsequently removed, returned to stores in 2012, returned to the supplier under warranty in 2012, and credited to smart meter material capital costs.

Actual and forecasted costs for 2012 included spending of \$70,624.68 on network infrastructure equipment such as collectors and repeaters needed to ensure proper communication with installed Smart Meters. In addition, work order costs totaling (\$61,656.38) were transferred out of smart meter material capital in 2012 relating to

costs incurred prior to 2012 as these costs did not relate to smart meter capital.

Table 18: Breakdown of Residential and GS<50 kW Material Cost for 2012

Description	Amount
Material Returns Jan to Sept 2012	(248,570.57)
Cost incurred Jan to Sept 2012	52,408.97
Forecast cost for Oct to Dec 2012	18,215.71
Transfers to and from Other Accounts	(61,656.38)
Total	(239,602.27)

- b) Table 19 below summarizes the components of the \$305,749.75 amount shown in the combined OEB Residential and General Service < 50 kW model.**

Although additional costs to install smart meters for the Residential and General Service < 50 kW classes in 2012 were not included and captured in the Smart Meter Capital Variance Account 1555; additional costs were incurred in 2012 for labour and material costs to deploy the network infrastructure required to ensure proper communication with installed Smart Meters. In addition, work order costs totaling \$39,454.90 were transferred into smart meter labour capital in 2012 relating to costs incurred prior to 2012 for costs related to smart meter capital.

Table 19: Breakdown of Residential and GS<50 kW Labour Cost for 2012

Description	Amount
Labour Costs Jan to Sept 2012	183,381.89
SM Labour Forecast Oct to Dec 2012	82,912.96
Transfers to and from Other Accounts	39,454.90
Total	305,749.75

- c) Table 20 below provides a breakdown of the \$1,339,603 2011 LTD under line 1.3.2 Computer Software. The costs relate to services for setting-up and running the SerViewCom system, 3rd party Headend Systems support and management services, SerViewCom Systems Management, SerViewCom commissioning and infrastructure costs, and interest costs while the IT Computer software implementation project was in the Construction Work-In-Progress stage of implementation and was not used and useful.**

Table 20 : Breakdown of Computer Software Costs

Description	Amount			Definition/Explanation
	2011	2012	Total	
HP Servers for ServiewCom	115,141	-	115,141	Third Party costs of hardware for running ServiewCom Software.
Trilliant ServiewCom Software License	259,420	-	259,420	Software Licensing for ServiewCom.
Capgemini & Inergi Headend System Support Team	112,519	-	112,519	Third party costs for implementing ServiewCom.
Hardware	38,261	-	38,261	Third Party costs of additional server and storage hardware.
SVC Commissioning Costs	25,596	-	25,596	Third party costs for implementing ServiewCom.
SVC Commissioning Costs Cap/Inergi/Contractors	58,606	-	58,606	Third party costs for implementing ServiewCom.
ServiewCom Systems Management, Commissioning Costs, and Head-End Systems Management Services	299,633	-	299,633	Third party costs for implementing ServiewCom.
Build new environment to support Remote Disconnect Meters (CR# C0195) 2012	-	76,153	76,153	Third party costs for implementing ServiewCom.
Build out SVC Infrastructure (CR# C0196) 2012	-	89,999	89,999	Third party costs for implementing ServiewCom.
Accrual and Reversal Cost of Environment and Infrastructure	297,729	(297,729)	-	Accrual and Reversal for third party costs for implementing ServiewCom
Interest Capitalized on Construction Work-in-Progress	132,698	(16,089)	116,609	Net Interest on life-to-date Construction Work-in-Progress
Totals	1,339,603	(147,666)	1,191,937	

a) Table 20 above provides a breakdown of the negative entry of (\$147,666) in 2012 under line 1.3.2 of computer software. The key reason for the negative entry relates to actual costs accrued for 2011 that did not materialize in 2012. Invoices totalling \$166,152 were paid in 2012 offset by an accrual reversal in 2012 of (\$297,729) and an adjustment of (\$16,089) to previously booked interest costs on CWIP.

b) Breakdown and details of costs provided in Table 21 below.

Table 21: Capital Costs Beyond Minimum Functionality – Technical Capabilities of Meter

Description	2010	2011
Number of Smart Meters installed Residential and GS < 50 Classes	7,538	3,426
Incremental Cost per Smart Meter for Outage Management Capabilities	\$ 18.95	\$ 18.95
Total Costs Beyond Minimum Functionality	\$ 142,845.10	\$ 64,922.70

c) Please refer to HOBNI's response to OEB IR #1 which provides the information VECC requests in this interrogatory pertaining to smart meter maintenance costs.

TAB 3
SCHEDULE 1.0
Models and Updated Tables

TAB 3
SCHEDULE 1.0
APPENDIX A – OEB SMART METER MODEL FOR
RESIDENTIAL AND GENERAL SERVICE < 50 KW
CUSTOMER CLASSES



Smart Meter Model for Electricity Distributors (2013 Filers)

Version 3.00

Utility Name	Hydro One Brampton Networks Inc.
Assigned EB Number	EB-2012-0440
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 <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	
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
				24,096	37,990	32,900	144,464	\$ 239,450
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 37,990	\$ 32,900	\$ 144,464	\$ 239,450
								\$ -
								\$ -
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\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 37,990	\$ 32,900	\$ 144,464	\$ 239,450
Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual			
								\$ -
								\$ -
								\$ -
								\$ -
								\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 37,990	\$ 32,900	\$ 144,464	\$ 239,450

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>37,990</u>	<u>\$</u>	<u>32,900</u>	<u>\$</u>	<u>144,464</u>	<u>\$</u>	<u>239,450</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		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 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	\$ 37,990	\$ 32,900	\$ 144,464
Working Capital Factor (from Sheet 3)	0%	0%	0%	0%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ -	\$ -	\$ -	\$ 3,614	\$ 5,699	\$ 4,935	\$ 21,670
Incremental Smart Meter Rate Base	\$ -	\$ -	\$ -	\$ -	\$ 1,685,933	\$ 4,510,220	\$ 5,333,575	\$ 4,751,136
Return on Rate Base								
Capital Structure								
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,409	\$ 213,343	\$ 190,045
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 1,011,560	\$ 2,525,723	\$ 2,986,802	\$ 2,660,636
Equity	\$ -	\$ -	\$ -	\$ -	\$ 674,373	\$ 1,804,088	\$ 2,133,430	\$ 1,900,454
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capitalization	\$ -	\$ -	\$ -	\$ -	\$ 1,685,933	\$ 4,510,220	\$ 5,333,575	\$ 4,751,136
Return on								
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,384	\$ 5,184	\$ 4,618
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 70,303	\$ 167,203	\$ 197,726	\$ 176,134
Equity	\$ -	\$ -	\$ -	\$ -	\$ 60,694	\$ 174,275	\$ 206,089	\$ 183,584
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Return on Capital	\$ -	\$ -	\$ -	\$ -	\$ 130,997	\$ 345,862	\$ 409,000	\$ 364,336
Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 37,990	\$ 32,900	\$ 144,464
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	\$ 794,896	\$ 1,020,331	\$ 1,075,616
Calculation of Taxable Income								
Incremental Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ 24,096	\$ 37,990	\$ 32,900	\$ 144,464
Amortization Expense	\$ -	\$ -	\$ -	\$ -	\$ 116,022	\$ 411,045	\$ 578,431	\$ 566,816
Interest Expense	\$ -	\$ -	\$ -	\$ -	\$ 70,303	\$ 171,587	\$ 202,911	\$ 180,752
Net Income for Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 60,694	\$ 174,275	\$ 206,089	\$ 183,584
Grossed-up Taxes/PILs (from Sheet 7)	\$ -	\$ -	\$ -	\$ -	\$ 19,366.45	-\$ 159,792.67	-\$ 86,085.84	\$ 205,177.52
Revenue Requirement, including Grossed-up Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 290,482	\$ 635,104	\$ 934,245	\$ 1,280,794



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	\$ 174,274.90	\$ 206,089.35	\$ 183,583.89
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	\$ 405,845.11	\$ 238,766.38	\$ 569,077.27
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	\$ 114,651.24	\$ 63,273.09	\$ 150,805.48
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	\$ 114,651.24	\$ 63,273.09	\$ 150,805.48
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ 2,523.48	\$ -	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ -	\$ 14,145.13	\$ 114,651.24	\$ 63,273.09	\$ 150,805.48
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	\$ 159,792.67	\$ 86,085.84	\$ 205,177.52
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ 2,523.48	\$ -	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ -	\$ 19,366.45	\$ 159,792.67	\$ 86,085.84	\$ 205,177.52



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	\$ 11,935.26	\$ 36,808.25	589,152.88	1.47%	662.00	4,997.85
Jan-12	2012	Q1	589,152.88	\$ 3,092.82	\$ 54,486.82	646,732.52	1.47%	721.71	5,719.56
Feb-12	2012	Q1	646,732.52	\$ 3,024.19	\$ 55,080.67	704,837.38	1.47%	792.25	6,511.81
Mar-12	2012	Q1	704,837.38	\$ 1,764.31	\$ 48,283.26	754,884.96	1.47%	863.43	7,375.24
Apr-12	2012	Q2	754,884.96	\$ 2,601.72	\$ 46,011.85	803,498.53	1.47%	924.73	8,299.97
May-12	2012	Q2	803,498.53	\$ 2,601.72	\$ 47,708.01	853,808.26	1.47%	984.29	9,284.26
Jun-12	2012	Q2	853,808.26	\$ 2,381.39	\$ 42,896.66	899,086.30	1.47%	1,045.92	10,330.17
Jul-12	2012	Q3	899,086.30	\$ 3,138.76	\$ 58,311.88	960,536.94	1.47%	1,101.38	11,431.55
Aug-12	2012	Q3	960,536.94	\$ 1,757.97	\$ 51,099.48	1,013,394.38	1.47%	1,176.66	12,608.21
Sep-12	2012	Q3	1,013,394.38	\$ 2,456.08	\$ 52,006.13	1,067,856.59	1.47%	1,241.41	13,849.62
Oct-12	2012	Q4	1,067,856.59	\$ 2,535.44	\$ 51,309.30	1,121,701.33	1.47%	1,308.12	15,157.74
Nov-12	2012	Q4	1,121,701.33	\$ 2,535.44	\$ 19,927.50	1,144,164.27	1.47%	1,374.08	16,531.83
Dec-12	2012	Q4	1,144,164.27	\$ 5,010.55	\$ 51,309.30	1,200,484.11	1.47%	1,401.60	17,933.43
Jan-13	2013	Q1	1,200,484.11	\$ 12,038.63	\$ 47,234.71	1,259,757.45	0.00%	-	17,933.43
Feb-13	2013	Q1	1,259,757.45	\$ 12,038.63	\$ 47,234.71	1,319,030.79	0.00%	-	17,933.43
Mar-13	2013	Q1	1,319,030.79	\$ 12,038.63	\$ 47,234.71	1,378,304.12	0.00%	-	17,933.43
Apr-13	2013	Q2	1,378,304.12	\$ 12,038.63	\$ 47,234.71	1,437,577.46	0.00%	-	17,933.43
May-13	2013	Q2	1,437,577.46	\$ 12,038.63	\$ 47,234.71	1,496,850.80	0.00%	-	17,933.43
Jun-13	2013	Q2	1,496,850.80	\$ 12,038.63	\$ 47,234.71	1,556,124.13	0.00%	-	17,933.43
Jul-13	2013	Q3	1,556,124.13	\$ 12,038.63	\$ 47,234.71	1,615,397.47	0.00%	-	17,933.43
Aug-13	2013	Q3	1,615,397.47	\$ 12,038.63	\$ 47,234.71	1,674,670.81	0.00%	-	17,933.43
Sep-13	2013	Q3	1,674,670.81	\$ 12,038.63	\$ 47,234.71	1,733,944.14	0.00%	-	17,933.43

	Oct-13	2013	Q4	1,733,944.14	\$ 12,038.63	\$ 47,234.71	1,793,217.48	0.00%	-	17,933.43
	Nov-13	2013	Q4	1,793,217.48	\$ 12,038.63	\$ 47,234.71	1,852,490.82	0.00%	-	17,933.43
	Dec-13	2013	Q4	1,852,490.82	\$ 12,038.63	\$ 47,234.71	1,911,764.15	0.00%	-	17,933.43
					\$ 94,986.71	\$ 1,105,497.41	\$ 1,200,484.11			



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	\$ 37,990.14	\$ 411,044.59	\$ 589,152.88	\$ 364,635.51	1.47%	\$ 5,360.14
2012	\$ 32,900.38	\$ 578,430.85	\$ 1,200,484.11	\$ 894,818.50	1.47%	\$ 13,153.83
2013	\$ 144,463.58	\$ 566,816.46	\$ 1,911,764.15	\$ 1,556,124.13	0.00%	\$ -
Cumulative Interest to 2011						\$ 5,918.86
Cumulative Interest to 2012						\$ 19,072.70
Cumulative Interest to 2013						\$ 19,072.70



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	\$ 635,103.76	\$ 934,245.29	\$ 1,280,793.67	\$ 1,859,830.64
Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check one of the boxes below)	\$ -	\$ -	\$ -	\$ -	\$ 567.65	\$ 4,430.20	\$ 12,935.58		\$ 17,933.43
<input checked="" type="checkbox"/> Sheet 8A (Interest calculated on monthly balances)	\$ -	\$ -	\$ -	\$ -	\$ 567.65	\$ 4,430.20	\$ 12,935.58	\$ -	\$ 17,933.43
<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	-\$ 1,531,012.90	\$ 784,208.32	\$ 1,280,793.67	-\$ 1,966,510.19

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)

141107

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	\$ 1,877,764.07	
SMFA Revenues collected from 2006 to 2013 test year (inclusive) Plus Simple Interest on SMFA Revenues	\$ 3,844,274.26	
Net Deferred Revenue Requirement	-\$ 1,966,510.19	} Match
SMDR May 1, 2013 to December 31, 2013	-\$ 1.74	
Check: Forecasted SMDR Revenues	-\$ 1,964,209.44	

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

Incremental Revenue Requirement for 2013	\$ 1,280,793.67	} Match
SMIRR	\$ 0.76	
Check: Forecasted SMIRR Revenues	\$ 1,286,895.84	



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	Other (please specify)	Total
										X	X			2
										%	%	%	%	
Return on Capital	\$ -	\$ -	\$ -	\$ -	\$ 130,996.99	\$ 345,861.71	\$ 408,999.89	\$ 885,858.58	Weighted Meter Cost - Capital Allocated per class	49.21% \$ 435,925.01	50.79% \$ 449,933.57	\$ -	\$ -	100%
Depreciation/Amortization expense and related interest	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 116,021.97 \$ 470.03	\$ 411,044.59 \$ 4,055.39	\$ 578,430.85 \$ 12,239.41	\$ 1,122,262.24	Weighted Meter Cost - Capital Allocated per class	49% \$ 552,257.65	51% \$ 570,004.59	0% \$ -	0% \$ -	100%
Operating Expenses and related interest	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 24,096.18 \$ 97.62	\$ 37,990.14 \$ 374.81	\$ 32,900.38 \$ 696.16	\$ 96,155.30	Number of Smart Meters installed by Class Allocated per class	# 6,328 \$ 55,497.15	# 4,636 \$ 40,658.15	# 0	# 0	
Revenue Requirement before Taxes/PILs								\$ 2,104,276.13		\$ 1,043,679.81	\$ 1,060,596.31	\$ -	\$ -	\$ -
									Revenue Requirement before PILs	49.60%	50.40%	0.00%	0.00%	100%
Grossed-up Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 19,366.45	-\$ 159,792.67	-\$ 86,085.84	-\$ 226,512.06		-\$ 112,345.55	-\$ 114,166.51	\$ -	\$ -	
Total Revenue Requirement plus interest on OM&A and depreciation expense								\$ 1,877,764.07		\$ 931,334.26	\$ 946,429.80	\$ -	\$ -	
								\$ -	Percentage of costs allocated to each clas Percentage of costs for classes with SMDR/SMIRR	49.60% 49.60% 49.60%	50.40% 50.40% 50.40%	0.00% 0.00% 0.00%	0.00% 0.00% 0.00%	
									SMFA Revenues directly attributable to class	% 94.04%	% 5.96%	%	%	100%
									Residual SMFA Revenues (from other metered classes) attributed evenly	94.04% 0.00%	5.96% 0.00%	0.00% 0.00%	0.00% 0.00%	100.00%
									Total	94.04%	5.96%	0.00%	0.00%	
SMFA Revenues plus interest expense								\$ 3,844,274.26		\$ 3,615,105.12	\$ 229,169.14	\$ -	\$ -	
Net Deferred Revenue Requirement to be recovered via SMDR								-\$ 1,966,510.19		-\$ 2,683,770.86	\$ 717,260.67	\$ -	\$ -	
Average number of metered customers by class (2013)									Average number of customers (2013)	132,507	8600		0	
Number of Years for SMDR recovery								0.66666667 years		0.66666667	0.66666667	0.66666667	0.66666667	
Smart Meter Disposition Rider (\$/month per metered customer in the customer class)										-\$ 2.53	\$ 10.43			
Estimated SMDR Revenues								-\$ 1,964,357.69		-\$ 2,681,941.69	\$ 717,584.00	\$ -	\$ -	
								-\$ 2,152.50						



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	Other (please specify)	Total
		Check Row if SMDR/SMIRR apply to class	X	X			2
			%	%	%	%	
		Weighted Meter Cost - Capital	49.21%	50.79%	0.00%	0.00%	100%
Return on Capital	\$ 364,336.11	Allocated per class	\$ 179,287.33	\$ 185,048.78	\$ -	\$ -	
Depreciation/Amortization expense	\$ 566,816.46	Weighted Meter Cost - Capital	\$ 49.21%	\$ 50.79%	\$ 0.00%	\$ 0.00%	100%
		Allocated per class	\$ 278,926.54	\$ 287,889.92	\$ -	\$ -	
Operating Expenses	\$ 144,463.58						
		Number of Smart Meters installed by Class	# 6,328	# 4,636	# -	# -	
	\$ 144,463.58	Allocated per class	\$ 83,378.83	\$ 61,084.75	\$ -	\$ -	
Revenue Requirement before Taxes/PILs	\$ 1,075,616.15		\$ 541,592.71	\$ 534,023.44	\$ -	\$ -	\$ -
		Revenue Requirement before PILs	50.35%	49.65%	0.00%	0.00%	100%
Grossed-up Taxes/PILs	\$ 205,177.52		\$ 103,310.69	\$ 101,866.83	\$ -	\$ -	
Total Revenue Requirement for 2013	\$ 1,280,793.67		\$ 644,903.40	\$ 635,890.27	\$ -	\$ -	
		Percentage of costs allocated to each class	50.35%	49.65%	0.00%	0.00%	
	\$ -	Percentage of costs for classes with SMDR/SMIRR	50.35%	49.65%	0.00%	0.00%	
			50.35%	49.65%	0.00%	0.00%	
Average number of metered customers by class (2013)			132,507	8,600	-	-	
The SMIRR is recovered as an annualized rate until the effective date of the distributor's next rebased rates resulting from a cost of service application	1 year		1	1	1	1	
Smart Meter Incremental Revenue Requirement Rate Rider (\$/month per metered customer in the customer class)			\$ 0.41	\$ 6.16			
Estimated SMIRR Revenues	\$ 1,287,646.44		\$ 651,934.44	\$ 635,712.00	\$ -	\$ -	
	\$ 6,852.77						

TAB 3

SCHEDULE 1.0

**APPENDIX B – HOBNI 2010 STUB YEAR SMART
METER MODEL FOR RESIDENTIAL AND
GENERAL SERVICE < 50 KW CUSTOMER
CLASSES**

Smart Meter Stub Year (2010) Calculations

Smart Meter Costs Recovery:	Residential	GS<50 kW	Total
2010 Rate Year Entitlement (2009 Capital)	2,801,843	296,833	3,098,675
Total Carrying Charges	55,789	5,437	61,226
Smart Meter Costs Recovery	<u>2,857,632</u>	<u>302,270</u>	<u>3,159,901</u>

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	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-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	

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	2010	2011	2012	2013	Total 2006 to 2013	Explanation / Allocator Check Row if SMDR/SMIRR apply to class	Residential	GS < 50 kW	GS 50 to 4999 kW	Other (please specify)	Total
							X	X			2
							%	%	%	%	
Return on Capital	\$ 1,287,300.62				\$ 1,287,300.62	Weighted Meter Cost - Capital Allocated per class	89.56% \$ 1,152,881.61	10.44% \$ 134,419.01	- \$ -	- \$ -	100%
Depreciation/Amortization expense and related interest	\$ 1,258,222.53 \$ 5,472.74 \$ 1,263,695.27	\$ 18,495.87 \$ 18,495.87	\$ 18,495.87 \$ 18,495.87	\$ 6,165.29 \$ 6,165.29	\$ 1,306,852.30	Weighted Meter Cost - Capital Allocated per class	90% \$ 1,170,391.72	10% \$ 136,460.58	0% \$ -	0% \$ -	100%
Operating Expenses and related interest	\$ 325,914.03 \$ 1,417.59 \$ 327,331.62	\$ 4,790.94 \$ 4,790.94	\$ 4,790.94 \$ 4,790.94	\$ 1,596.98 \$ 1,596.98	\$ 338,510.47	Number of Smart Meters installed by Class Allocated per class	# 121,622 \$ 328,857.44	# 3,570 \$ 9,653.03	# 0	# 0	
Revenue Requirement before Taxes/PILs					\$ 2,932,663.39		\$ 2,652,130.77	\$ 280,532.62	\$ -	\$ -	\$ -
						Revenue Requirement before PILs	90.43%	9.57%	0.00%	0.00%	100%
Grossed-up Taxes/PILs	\$ 227,238.00				\$ 227,238.00		\$ 205,500.88	\$ 21,737.13	\$ -	\$ -	
Total Revenue Requirement plus interest on OM&A and depreciation expense	\$ 2,801,842.53				\$ 3,159,901.40		\$ 2,857,631.65	\$ 302,269.75	\$ -	\$ -	
						Percentage of costs allocated to each class	90.43%	9.57%	0.00%	0.00%	
						Percentage of costs for classes with SMDR/SMIRR	90.43%	9.57%	0.00%	0.00%	
							%	%	%	%	
						SMFA Revenues directly attributable to class	0.00%	0.00%	0.00%	0.00%	0%
						Residual SMFA Revenues (from other metered classes) attributed evenly	50.00%	50.00%	0.00%	0.00%	0.00%
						Total	50.00%	50.00%	0.00%	0.00%	0.00%
SMFA Revenues plus interest expense							\$ -	\$ -	\$ -	\$ -	
Net Deferred Revenue Requirement to be recovered via SMDR							\$ 2,857,631.65	\$ 302,269.75	\$ -	\$ -	
Average number of metered customers by class (2013)					Average number of customers (2013)		132,507	8600		0	
Number of Years for SMDR recovery					0.66666667 years		0.66666667	0.66666667	0.66666667	0.66666667	
Smart Meter Disposition Rider (\$/month per metered customer in the customer class)							\$ 2.70	\$ 4.39			
Estimated SMDR Revenues							\$ 2,862,151.21	\$ 302,032.00	\$ -	\$ -	
					\$ -						

TAB 3
SCHEDULE 1.0
APPENDIX C – OEB SMART METER MODEL FOR
GENERAL SERVICE 50 – 699 KW CUSTOMER
CLASS



Smart Meter Model for Electricity Distributors (2013 Filers)

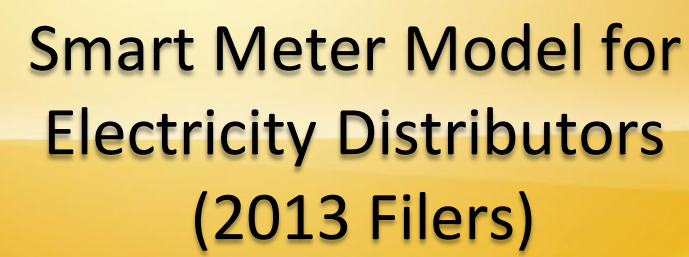
Version 3.00

Utility Name	Hydro One Brampton Networks Inc.
Assigned EB Number	EB-2012-0440
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	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	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										\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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										\$ -
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 *(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		
								\$	-
								\$	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
								\$	-
								\$	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
								\$	-
								\$	-
								\$	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
								\$	-
								\$	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
								\$	-
								\$	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
								\$	-
								\$	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual				
								\$	-
				51	3,188	2,932	12,873	\$	19,044
								\$	-
\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 3,188	\$ 2,932	\$ 12,873	\$	19,044
\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 3,188	\$ 2,932	\$ 12,873	\$	19,044

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>3,188</u>	<u>\$</u>	<u>2,932</u>	<u>\$</u>	<u>12,873</u>	<u>\$</u>	<u>19,044</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)

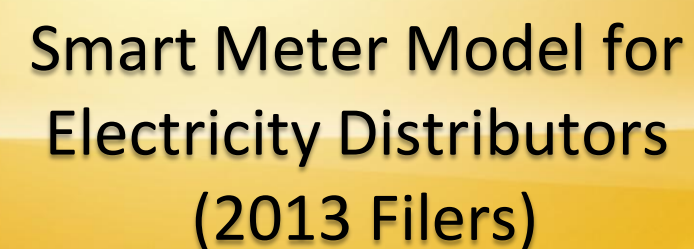
Smart Meters - years				15	15	15	15	15
- rate (%)	0.00%	0.00%	0.00%	6.67%	6.67%	6.67%	6.67%	6.67%
Computer Hardware - years					5	5	5	5
- rate (%)	0.00%	0.00%	0.00%	0.00%	20.00%	20.00%	20.00%	20.00%
Computer Software - years					5	5	5	5
- rate (%)	0.00%	0.00%	0.00%	0.00%	20.00%	20.00%	20.00%	20.00%
Tools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

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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

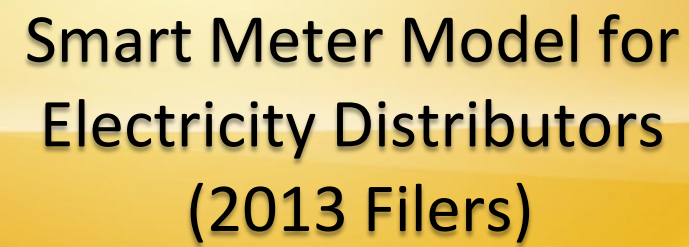
Net Fixed Assets - Other Equipment

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	\$ 3,188	\$ 2,932	\$ 12,873
Working Capital Factor (from Sheet 3)	0%	0%	0%	0%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ -	\$ -	\$ -	\$ 8	\$ 478	\$ 440	\$ 1,931
Incremental Smart Meter Rate Base	\$ -	\$ -	\$ -	\$ -	\$ 9,766	\$ 552,219	\$ 1,069,733	\$ 1,017,560
Return on Rate Base								
Capital Structure								
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,089	\$ 42,789	\$ 40,702
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 5,860	\$ 309,243	\$ 599,051	\$ 569,834
Equity	\$ -	\$ -	\$ -	\$ -	\$ 3,907	\$ 220,888	\$ 427,893	\$ 407,024
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capitalization	\$ -	\$ -	\$ -	\$ -	\$ 9,766	\$ 552,219	\$ 1,069,733	\$ 1,017,560
Return on								
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 537	\$ 1,040	\$ 989
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 407	\$ 20,472	\$ 39,657	\$ 37,723
Equity	\$ -	\$ -	\$ -	\$ -	\$ 352	\$ 21,338	\$ 41,334	\$ 39,319
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Return on Capital	\$ -	\$ -	\$ -	\$ -	\$ 759	\$ 42,346	\$ 82,031	\$ 78,031
Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 3,188	\$ 2,932	\$ 12,873
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	\$ 83,632	\$ 161,381	\$ 168,891
Calculation of Taxable Income								
Incremental Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 3,188	\$ 2,932	\$ 12,873
Amortization Expense	\$ -	\$ -	\$ -	\$ -	\$ 673	\$ 38,098	\$ 76,418	\$ 77,987
Interest Expense	\$ -	\$ -	\$ -	\$ -	\$ 407	\$ 21,009	\$ 40,697	\$ 38,712
Net Income for Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 352	\$ 21,338	\$ 41,334	\$ 39,319
Grossed-up Taxes/PILs (from Sheet 7)	\$ -	\$ -	\$ -	\$ -	\$ 112.13	\$ 5,426.70	\$ 10,732.56	\$ 12,430.35
Revenue Requirement, including Grossed-up Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 1,595	\$ 89,058	\$ 172,114	\$ 181,321



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	\$ 21,337.74	\$ 41,334.49	\$ 39,318.52
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	\$ 13,782.85	\$ 29,767.65	\$ 34,476.64
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	\$ 3,893.66	\$ 7,888.43	\$ 9,136.31
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	\$ 3,893.66	\$ 7,888.43	\$ 9,136.31
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ 14.64	\$ -	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ -	\$ 81.90	\$ 3,893.66	\$ 7,888.43	\$ 9,136.31
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	\$ 5,426.70	\$ 10,732.56	\$ 12,430.35
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ 14.64	\$ -	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ -	\$ 112.13	\$ 5,426.70	\$ 10,732.56	\$ 12,430.35



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	\$ 1,001.50	\$ 3,174.79	42,009.47	1.47%	46.35	284.84
Jan-12	2012	Q1	42,009.47	\$ 275.60	\$ 6,368.18	48,653.25	1.47%	51.46	336.30
Feb-12	2012	Q1	48,653.25	\$ 269.49	\$ 6,368.18	55,290.92	1.47%	59.60	395.90
Mar-12	2012	Q1	55,290.92	\$ 157.22	\$ 6,368.18	61,816.32	1.47%	67.73	463.63
Apr-12	2012	Q2	61,816.32	\$ 231.84	\$ 6,368.18	68,416.34	1.47%	75.72	539.36
May-12	2012	Q2	68,416.34	\$ 231.84	\$ 6,368.18	75,016.37	1.47%	83.81	623.17
Jun-12	2012	Q2	75,016.37	\$ 212.20	\$ 6,368.18	81,596.76	1.47%	91.90	715.06
Jul-12	2012	Q3	81,596.76	\$ 279.69	\$ 6,368.18	88,244.63	1.47%	99.96	815.02
Aug-12	2012	Q3	88,244.63	\$ 156.65	\$ 6,368.18	94,769.47	1.47%	108.10	923.12
Sep-12	2012	Q3	94,769.47	\$ 218.86	\$ 6,368.18	101,356.51	1.47%	116.09	1,039.21
Oct-12	2012	Q4	101,356.51	\$ 225.93	\$ 6,368.18	107,950.63	1.47%	124.16	1,163.37
Nov-12	2012	Q4	107,950.63	\$ 225.93	\$ 6,368.18	114,544.75	1.47%	132.24	1,295.61
Dec-12	2012	Q4	114,544.75	\$ 446.49	\$ 6,368.18	121,359.42	1.47%	140.32	1,435.93
Jan-13	2013	Q1	121,359.42	\$ 1,072.76	\$ 6,498.95	128,931.13	0.00%	-	1,435.93
Feb-13	2013	Q1	128,931.13	\$ 1,072.76	\$ 6,498.95	136,502.85	0.00%	-	1,435.93
Mar-13	2013	Q1	136,502.85	\$ 1,072.76	\$ 6,498.95	144,074.56	0.00%	-	1,435.93
Apr-13	2013	Q2	144,074.56	\$ 1,072.76	\$ 6,498.95	151,646.27	0.00%	-	1,435.93
May-13	2013	Q2	151,646.27	\$ 1,072.76	\$ 6,498.95	159,217.99	0.00%	-	1,435.93
Jun-13	2013	Q2	159,217.99	\$ 1,072.76	\$ 6,498.95	166,789.70	0.00%	-	1,435.93
Jul-13	2013	Q3	166,789.70	\$ 1,072.76	\$ 6,498.95	174,361.42	0.00%	-	1,435.93
Aug-13	2013	Q3	174,361.42	\$ 1,072.76	\$ 6,498.95	181,933.13	0.00%	-	1,435.93
Sep-13	2013	Q3	181,933.13	\$ 1,072.76	\$ 6,498.95	189,504.84	0.00%	-	1,435.93

	Oct-13	2013	Q4	189,504.84	\$	1,072.76	\$	6,498.95	197,076.56	0.00%	-	1,435.93
	Nov-13	2013	Q4	197,076.56	\$	1,072.76	\$	6,498.95	204,648.27	0.00%	-	1,435.93
	Dec-13	2013	Q4	204,648.27	\$	1,072.76	\$	6,498.95	212,219.98	0.00%	-	1,435.93
					\$	6,170.68	\$	115,188.74	\$	121,359.42		



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	\$ 3,187.79	\$ 38,097.51	\$ 42,009.47	\$ 21,366.82	1.47%	\$ 314.09
2012	\$ 2,931.75	\$ 76,418.21	\$ 121,359.42	\$ 81,684.44	1.47%	\$ 1,200.76
2013	\$ 12,873.12	\$ 77,987.44	\$ 212,219.98	\$ 166,789.70	0.00%	\$ -
Cumulative Interest to 2011						\$ 316.98
Cumulative Interest to 2012						\$ 1,517.74
Cumulative Interest to 2013						\$ 1,517.74



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	\$ 89,058.36	\$ 172,113.93	\$ 181,321.50	\$ 262,767.44
Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check one of the boxes below)	\$ -	\$ -	\$ -	\$ -	\$ 3.16	\$ 281.68	\$ 1,151.09		\$ 1,435.93
<input checked="" type="checkbox"/> Sheet 8A (Interest calculated on monthly balances)	\$ -	\$ -	\$ -	\$ -	\$ 3.16	\$ 281.68	\$ 1,151.09	\$ -	\$ 1,435.93
<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	\$ 64,768.85	\$ 172,347.66	\$ 181,321.50	\$ 220,797.34

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	\$ 264,203.37	
SMFA Revenues collected from 2006 to 2013 test year (inclusive) Plus Simple Interest on SMFA Revenues	\$ 43,406.03	
Net Deferred Revenue Requirement	\$ 220,797.34	} Match
SMDR May 1, 2013 to December 31, 2013	\$ 18.15	
Check: Forecasted SMDR Revenues	\$ 220,849.20	

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

Incremental Revenue Requirement for 2013	\$ 181,321.50	} Match
SMIRR	\$ 9.93	
Check: Forecasted SMIRR Revenues	\$ 181,242.36	



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	Other (please specify)	Total
										X		X		2
										%	%	%	%	
Return on Capital	\$ -	\$ -	\$ -	\$ -	\$ 758.86	\$ 42,346.36	\$ 82,031.42	\$ 125,136.64	Weighted Meter Cost - Capital Allocated per class	\$ -	\$ -	\$ -	\$ -	0%
Depreciation/Amortization expense and related interest	\$ -	\$ -	\$ -	\$ -	\$ 673.02	\$ 38,097.51	\$ 76,418.21	\$ 116,560.16	Weighted Meter Cost - Capital Allocated per class	\$ -	\$ -	\$ -	\$ -	0%
	\$ -	\$ -	\$ -	\$ -	\$ 675.96	\$ 38,357.44	\$ 77,526.77							
Operating Expenses and related interest	\$ -	\$ -	\$ -	\$ -	\$ 51.15	\$ 3,187.79	\$ 2,931.75		Number of Smart Meters installed by Class	#	#	#	#	
	\$ -	\$ -	\$ -	\$ -	\$ 0.22	\$ 21.75	\$ 42.53	\$ 6,235.18	Allocated per class	\$ -	\$ -	0	0	
Revenue Requirement before Taxes/PILs								\$ 247,931.99		\$ -	\$ -	\$ -	\$ -	#####
									Revenue Requirement before PILs	0.00%	0.00%	0.00%	0.00%	0%
Grossed-up Taxes/PILs	\$ -	\$ -	\$ -	\$ -	\$ 112.13	\$ 5,426.70	\$ 10,732.56	\$ 16,271.38		\$ -	\$ -	\$ -	\$ -	
Total Revenue Requirement plus interest on OM&A and depreciation expense								\$ 264,203.37		\$ -	\$ -	\$ -	\$ -	
								\$ -	Percentage of costs allocated to each clas Percentage of costs for classes with SMDR/SMIRR	0.00% 0.00% 0.00%	0.00% 0.00% 0.00%	0.00% 0.00% 0.00%	0.00% 0.00% 0.00%	
										%	%	%	%	
									SMFA Revenues directly attributable to class	0.00%	0.00%	0.00%	0.00%	0% 0.00%
									Residual SMFA Revenues (from other metered classes) attributed evenly	50.00%	0.00%	50.00%	0.00%	
									Total	50.00%	0.00%	50.00%	0.00%	
SMFA Revenues plus interest expense								\$ 43,406.03		\$ 21,703.02	\$ -	\$ 21,703.02	\$ -	
Net Deferred Revenue Requirement to be recovered via SMDR								\$ 220,797.34		-\$ 21,703.02	\$ -	-\$ 21,703.02	\$ -	
Average number of metered customers by class (2013)									Average number of customers (2013)					
Number of Years for SMDR recovery								1 years		1	1	1	1	
Smart Meter Disposition Rider (\$/month per metered customer in the customer class)														
Estimated SMDR Revenues								\$ -		\$ -	\$ -	\$ -	\$ -	
								\$ 220,797.34						



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	Other (please specify)	Total
		Check Row if SMDR/SMIRR apply to class	X		X		2
			%	%	%	%	
			0.00%	0.00%	0.00%	0.00%	0%
Return on Capital	\$ 78,030.58	Weighted Meter Cost - Capital Allocated per class	\$ 0.00% -	\$ 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% -	\$ 0.00% -	0%
Operating Expenses	\$ 12,873.12						
		Number of Smart Meters installed by Class	#	#	#	#	
	\$ -	Allocated per class	\$ -	\$ -	\$ -	\$ -	
Revenue Requirement before Taxes/PILs	\$ 168,891.15		\$ -	\$ -	\$ -	\$ -	#####
		Revenue Requirement before PILs	0.00%	0.00%	0.00%	0.00%	0%
Grossed-up Taxes/PILs	\$ 12,430.35		\$ -	\$ -	\$ -	\$ -	
Total Revenue Requirement for 2013	\$ 181,321.50		\$ -	\$ -	\$ -	\$ -	
	\$ -	Percentage of costs allocated to each class	0.00%	0.00%	0.00%	0.00%	
		Percentage of costs for classes with SMDR/SMIRR	0.00%	0.00%	0.00%	0.00%	
Average number of metered customers by class (2013)			-	-	-	-	
The SMIRR is recovered as an annualized rate until the effective date of the distributor's next rebased rates resulting from a cost of service application	1 year		1	1	1	1	
Smart Meter Incremental Revenue Requirement Rate Rider (\$/month per metered customer in the customer class)							
Estimated SMIRR Revenues	\$ -		\$ -	\$ -	\$ -	\$ -	
	-\$ 181,321.50						

TAB 3
SCHEDULE 1.0
APPENDIX D – HOBNI SMART METER CARRYING
CHARGES MODEL RELATING TO JANUARY 1,
2013 to APRIL 30, 2013

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 (Incremental)	GS<50 (Incremental)	GS>50 (Incremental)	Total
(13,892)	1,845	443	(11,604)

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	\$ 11,935.26	\$ 36,808.25	589,152.88	1.47%	662.00	4,997.85
			Jan-12	2012	Q1	589,152.88	\$ 3,092.82	\$ 54,486.82	646,732.52	1.47%	721.71	5,719.56
			Feb-12	2012	Q1	646,732.52	\$ 3,024.19	\$ 55,080.67	704,837.38	1.47%	792.25	6,511.81
			Mar-12	2012	Q1	704,837.38	\$ 1,764.31	\$ 48,283.26	754,884.96	1.47%	863.43	7,375.24
			Apr-12	2012	Q2	754,884.96	\$ 2,601.72	\$ 46,011.85	803,498.53	1.47%	924.73	8,299.97
			May-12	2012	Q2	803,498.53	\$ 2,601.72	\$ 47,708.01	853,808.26	1.47%	984.29	9,284.26
			Jun-12	2012	Q2	853,808.26	\$ 2,381.39	\$ 42,896.66	899,086.30	1.47%	1,045.92	10,330.17
			Jul-12	2012	Q3	899,086.30	\$ 3,138.76	\$ 58,311.88	960,536.94	1.47%	1,101.38	11,431.55
			Aug-12	2012	Q3	960,536.94	\$ 1,757.97	\$ 51,099.48	1,013,394.38	1.47%	1,176.66	12,608.21
			Sep-12	2012	Q3	1,013,394.38	\$ 2,456.08	\$ 52,006.13	1,067,856.59	1.47%	1,241.41	13,849.62
			Oct-12	2012	Q4	1,067,856.59	\$ 2,535.44	\$ 51,309.30	1,121,701.33	1.47%	1,308.12	15,157.74
			Nov-12	2012	Q4	1,121,701.33	\$ 2,535.44	\$ 19,927.50	1,144,164.27	1.47%	1,374.08	16,531.83
			Dec-12	2012	Q4	1,144,164.27	\$ 5,010.55	\$ 51,309.30	1,200,484.11	1.47%	1,401.60	17,933.43
			Jan-13	2013	Q1	1,200,484.11	\$ 12,038.63	\$ 47,234.71	1,259,757.45	1.47%	1,470.59	19,404.02
			Feb-13	2013	Q1	1,259,757.45	\$ 12,038.63	\$ 47,234.71	1,319,030.79	1.47%	1,543.20	20,947.22
			Mar-13	2013	Q1	1,319,030.79	\$ 12,038.63	\$ 47,234.71	1,378,304.12	1.47%	1,615.81	22,563.04
			Apr-13	2013	Q2	1,378,304.12	\$ 12,038.63	\$ 47,234.71	1,437,577.46	1.47%	1,688.42	24,251.46
			May-13	2013	Q2	1,437,577.46			1,437,577.46	0.00%	-	24,251.46
			Jun-13	2013	Q2	1,437,577.46			1,437,577.46	0.00%	-	24,251.46
			Jul-13	2013	Q3	1,437,577.46			1,437,577.46	0.00%	-	24,251.46
			Aug-13	2013	Q3	1,437,577.46			1,437,577.46	0.00%	-	24,251.46
			Sep-13	2013	Q3	1,437,577.46			1,437,577.46	0.00%	-	24,251.46
			Oct-13	2013	Q4	1,437,577.46			1,437,577.46	0.00%	-	24,251.46
			Nov-13	2013	Q4	1,437,577.46			1,437,577.46	0.00%	-	24,251.46
			Dec-13	2013	Q4	1,437,577.46			1,437,577.46	0.00%	-	24,251.46
							\$ 143,141.23	\$ 1,294,436.23	\$ 1,437,577.46	\$ 24,251.46		

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	\$ 1,001.50	\$ 3,174.79	42,009.47	1.47%	46.35	284.84
			Jan-12	2012	Q1	42,009.47	\$ 275.60	\$ 6,368.18	48,653.25	1.47%	51.46	336.30
			Feb-12	2012	Q1	48,653.25	\$ 269.49	\$ 6,368.18	55,290.92	1.47%	59.60	395.90

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	55,290.92	\$ 157.22	\$ 6,368.18	61,816.32	1.47%	67.73	463.63
			Apr-12	2012	Q2	61,816.32	\$ 231.84	\$ 6,368.18	68,416.34	1.47%	75.72	539.36
			May-12	2012	Q2	68,416.34	\$ 231.84	\$ 6,368.18	75,016.37	1.47%	83.81	623.17
			Jun-12	2012	Q2	75,016.37	\$ 212.20	\$ 6,368.18	81,596.76	1.47%	91.90	715.06
			Jul-12	2012	Q3	81,596.76	\$ 279.69	\$ 6,368.18	88,244.63	1.47%	99.96	815.02
			Aug-12	2012	Q3	88,244.63	\$ 156.65	\$ 6,368.18	94,769.47	1.47%	108.10	923.12
			Sep-12	2012	Q3	94,769.47	\$ 218.86	\$ 6,368.18	101,356.51	1.47%	116.09	1,039.21
			Oct-12	2012	Q4	101,356.51	\$ 225.93	\$ 6,368.18	107,950.63	1.47%	124.16	1,163.37
			Nov-12	2012	Q4	107,950.63	\$ 225.93	\$ 6,368.18	114,544.75	1.47%	132.24	1,295.61
			Dec-12	2012	Q4	114,544.75	\$ 446.49	\$ 6,368.18	121,359.42	1.47%	140.32	1,435.93
			Jan-13	2013	Q1	121,359.42	\$ 1,072.76	\$ 6,498.95	128,931.13	1.47%	148.67	1,584.59
			Feb-13	2013	Q1	128,931.13	\$ 1,072.76	\$ 6,498.95	136,502.85	1.47%	157.94	1,742.53
			Mar-13	2013	Q1	136,502.85	\$ 1,072.76	\$ 6,498.95	144,074.56	1.47%	167.22	1,909.75
			Apr-13	2013	Q2	144,074.56	\$ 1,072.76	\$ 6,498.95	151,646.27	1.47%	176.49	2,086.24
			May-13	2013	Q2	151,646.27			151,646.27	0.00%	-	2,086.24
			Jun-13	2013	Q2	151,646.27			151,646.27	0.00%	-	2,086.24
			Jul-13	2013	Q3	151,646.27			151,646.27	0.00%	-	2,086.24
			Aug-13	2013	Q3	151,646.27			151,646.27	0.00%	-	2,086.24
			Sep-13	2013	Q3	151,646.27			151,646.27	0.00%	-	2,086.24
			Oct-13	2013	Q4	151,646.27			151,646.27	0.00%	-	2,086.24
			Nov-13	2013	Q4	151,646.27			151,646.27	0.00%	-	2,086.24
			Dec-13	2013	Q4	151,646.27			151,646.27	0.00%	-	2,086.24
							\$ 10,461.72	\$ 141,184.55	\$ 151,646.27		\$ 2,086.24	

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	

TAB 3
SCHEDULE 1.0
APPENDIX E – UPDATED TABLES AND BILL
IMPACT ANALYSIS

Table A: Smart Meter Model Mapping for Smart Meter Disposition Rate Rider by Customer Class

Description	Residential				General Service Less Than 50 kW				General Service Greater Than 50 kW			Total
	HOBNI Stub Year Model	OEB Incremental Model	HOBNI Incremental Model	Total	HOBNI Stub Year Model	OEB Incremental Model	HOBNI Incremental Model	Total	OEB Incremental Model	HOBNI Incremental Model	Total	
Revenue Requirement:												
2010 Rate Year Entitlement (2009 Capital)	2,801,842.53			2,801,843	296,832.66			296,833			-	3,098,675
2010 Rate Year Entitlement		145,069		145,069		145,412		145,412	1,595		1,595	292,077
2011 Rate Year Entitlement		315,141		315,141		319,963		319,963	89,058		89,058	724,162
2012 Rate Year Entitlement		462,200		462,200		472,045		472,045	172,114		172,114	1,106,359
2013 Rate Year Entitlement (January to April) *		214,968		214,968		211,963		211,963	60,440		60,440	487,372
Total Revenue Entitlement	2,801,843	1,137,378	-	3,939,220	296,833	1,149,384	-	1,446,217	323,208	-	323,208	5,708,645
Smart Rate Rider Billed:												
Amount collected in 2010		(1,414,720)		(1,414,720)		(89,682)		(89,682)	(17,840)		(17,840)	(1,522,242)
Amount collected in 2011		(2,008,239)		(2,008,239)		(127,307)		(127,307)	(24,161)		(24,161)	(2,159,707)
Amount collected in 2012		(101,571)		(101,571)		(6,439)		(6,439)	(296)		(296)	(108,306)
Total Collected	-	(3,524,531)	-	(3,524,531)	-	(223,427)	-	(223,427)	(42,297)	-	(42,297)	(3,790,255)
Carrying Charges From January 2010 to December 2010	6,278	(5,686)		592	612	(99)		513	(74)		(74)	1,031
Carrying Charges From January 2011 to December 2011	21,219	(30,702)		(9,484)	2,068	132		2,200	(129)		(129)	(7,412)
Carrying Charges From January 2012 to December 2012	21,219	(45,261)		(24,042)	2,068	3,234		5,302	530		530	(18,210)
Carrying Charges From January 2013 to April 2013	7,073		(13,892)	(6,819)	689		1,845	2,535		443	443	(3,842)
Total Carrying Charges	55,789	(81,650)	(13,892)	(39,753)	5,437	3,267	1,845	10,550	327	443	770	(28,433)
Smart Meter Costs for Recovery	2,857,632	(2,468,803)	(13,892)	374,936	302,270	929,224	1,845	1,233,339	281,238	443	281,681	1,889,956
Forecasted Number of Customers				132,507				8,600			1,521	
Number of Months				8				8			8	
Disposition Rate Rider				0.35				17.93			23.15	

* - 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.

Table B: Bill Impact Summary

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		\$ 0.94	7.00%	\$ 0.94	5.59%	\$ 0.96	2.29%
Residential	kWh	800		\$ 1.05	4.93%	\$ 1.05	3.27%	\$ 1.07	0.96%
Residential	kWh	1,500		\$ 1.19	3.80%	\$ 1.19	2.31%	\$ 1.21	0.61%
General Service Less Than 50 kW	kWh	2,000		\$ 24.72	50.48%	\$ 24.72	34.06%	\$ 25.14	9.36%
General Service Less Than 50 kW	kWh	5,000		\$ 25.32	26.44%	\$ 25.32	16.36%	\$ 25.75	4.00%
General Service Less Than 50 kW	kWh	10,000		\$ 26.32	15.15%	\$ 26.32	9.02%	\$ 26.77	2.11%
General Service 50 to 699 kW	kW	36,500	100	\$ 37.59	10.68%	\$ 36.65	4.61%	\$ 37.28	0.90%
General Service 50 to 699 kW	kW	91,250	250	\$ 42.27	5.89%	\$ 39.92	2.19%	\$ 40.60	0.40%
General Service 50 to 699 kW	kW	182,500	500	\$ 50.07	3.77%	\$ 45.37	1.28%	\$ 46.15	0.23%

	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%	46.48%	
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%		24.48%
TOU - Mid Peak	46.57	0.0990	4.61	46.57	0.0990	4.61	0.00	0.00%		10.82%
TOU - On Peak	46.57	0.1180	5.50	46.57	0.1180	5.50	0.00	0.00%		12.90%
Service Charge	1	9.83	9.83	1	9.96	9.96	0.13	1.32%	24.18%	23.38%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	0.7793	0.78	0.76	3796.36%	1.89%	1.83%
Distribution Volumetric Rate	250	0.0143	3.58	250	0.0145	3.63	0.05	1.40%	8.80%	8.51%
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			14.36	0.94	7.00%	34.87%	33.71%
Retail Transmission Rate - Network Service Rate	258.73	0.00750	1.94	258.73	0.00750	1.94	0.00	0.00%	4.71%	4.55%
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%	3.45%	3.34%
Total: Retail Transmission			3.36			3.36	0.00	0.00%	8.17%	7.89%
Sub-Total: Delivery (Distribution and Retail Transmission)			16.79			17.73	0.94	5.59%	43.04%	41.61%
Wholesale Market Service Rate	258.73	0.0052	1.35	258.73	0.0052	1.35	0.00	0.00%	3.27%	3.16%
Rural Rate Protection Charge	258.73	0.0011	0.28	258.73	0.0011	0.28	0.00	0.00%	0.69%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.61%	0.59%
Sub-Total: Regulatory			1.88			1.88	0.00	0.00%	4.56%	4.41%
Debt Retirement Charge (DRC)	250.00	0.00700	1.75	250.00	0.00700	1.75	0.00	0.00%	4.25%	4.11%
Total Bill on RPP (before taxes)			39.56			40.50	0.94	2.37%	98.33%	
HST		13%	5.14		13%	5.27	0.12	2.37%	12.78%	
Total Bill (including HST)			44.71			45.77	1.06	2.37%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(4.47)		(10%)	(4.58)	(0.11)	2.37%	-11.11%	
Total Bill on RPP (including OCEB)			40.24			41.19	0.96	2.37%	100.00%	
Total Bill on TOU (before taxes)			40.96			41.90	0.94	2.29%		98.33%
HST		13%	5.32		13%	5.45	0.12	2.29%		12.78%
Total Bill (including HST)			46.28			47.34	1.06	2.29%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(4.63)		(10%)	(4.73)	(0.11)	2.29%		-11.11%
Total Bill on TOU (including OCEB)			41.65			42.61	0.96	2.29%		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%	66.59%	
Energy Second Tier (kWh)	-172.08	0.0870	-14.97	-172.08	0.0870	-14.97	0.00	0.00%	(16.27%)	
TOU - Off Peak	529.87	0.0630	33.38	529.87	0.0630	33.38	0.00	0.00%		29.87%
TOU - Mid Peak	149.03	0.0990	14.75	149.03	0.0990	14.75	0.00	0.00%		13.20%
TOU - On Peak	149.03	0.1180	17.59	149.03	0.1180	17.59	0.00	0.00%		15.74%
Service Charge	1	9.83	9.83	1	9.96	9.96	0.13	1.32%	10.83%	8.91%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	0.7793	0.78	0.76	3796.36%	0.85%	0.70%
Distribution Volumetric Rate	800	0.0143	11.44	800	0.0145	11.60	0.16	1.40%	12.61%	10.38%
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			22.34	1.05	4.93%	24.28%	19.99%
Retail Transmission Rate - Network Service Rate	827.92	0.00750	6.21	827.92	0.00750	6.21	0.00	0.00%	6.75%	5.56%
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%	4.95%	4.07%
Total: Retail Transmission			10.76			10.76	0.00	0.00%	11.70%	9.63%
Sub-Total: Delivery (Distribution and Retail Transmission)			32.05			33.10	1.05	3.27%	35.98%	29.62%
Wholesale Market Service Rate	827.92	0.0052	4.31	827.92	0.0052	4.31	0.00	0.00%	4.68%	3.85%
Rural Rate Protection Charge	827.92	0.0011	0.91	827.92	0.0011	0.91	0.00	0.00%	0.99%	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%	5.94%	4.89%
Debt Retirement Charge (DRC)	800.00	0.00700	5.60	800.00	0.00700	5.60	0.00	0.00%	6.09%	5.01%
Total Bill on RPP (before taxes)			89.41			90.46	1.05	1.17%	98.33%	
HST		13%	11.62		13%	11.76	0.14	1.17%	12.78%	
Total Bill (including HST)			101.04			102.22	1.19	1.17%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(10.10)		(10%)	(10.22)	(0.12)	1.17%	-11.11%	
Total Bill on RPP (including OCEB)			90.93			92.00	1.07	1.17%	100.00%	
Total Bill on TOU (before taxes)			108.84			109.89	1.05	0.96%		98.33%
HST		13%	14.15		13%	14.29	0.14	0.96%		12.78%
Total Bill (including HST)			122.99			124.17	1.19	0.96%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(12.30)		(10%)	(12.42)	(0.12)	0.96%		-11.11%
Total Bill on TOU (including OCEB)			110.69			111.76	1.07	0.96%		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%	37.27%	
Energy Second Tier (kWh)	552.35	0.0870	48.05	552.35	0.0870	48.05	0.00	0.00%	24.20%	
TOU - Off Peak	993.50	0.0630	62.59	993.50	0.0630	62.59	0.00	0.00%		31.33%
TOU - Mid Peak	279.42	0.0990	27.66	279.42	0.0990	27.66	0.00	0.00%		13.85%
TOU - On Peak	279.42	0.1180	32.97	279.42	0.1180	32.97	0.00	0.00%		16.51%
Service Charge	1	9.83	9.83	1	9.96	9.96	0.13	1.32%	5.02%	4.99%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	0.7793	0.78	0.76	3796.36%	0.39%	0.39%
Distribution Volumetric Rate	1,500	0.0143	21.45	1,500	0.0145	21.75	0.30	1.40%	10.95%	10.89%
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			32.49	1.19	3.80%	16.36%	16.26%
Retail Transmission Rate - Network Service Rate	1,552.35	0.00750	11.64	1,552.35	0.00750	11.64	0.00	0.00%	5.86%	5.83%
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%	4.30%	4.27%
Total: Retail Transmission			20.18			20.18	0.00	0.00%	10.16%	10.10%
Sub-Total: Delivery (Distribution and Retail Transmission)			51.48			52.67	1.19	2.31%	26.52%	26.37%
Wholesale Market Service Rate	1,552.35	0.0052	8.07	1,552.35	0.0052	8.07	0.00	0.00%	4.07%	4.04%
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%	0.13%
Sub-Total: Regulatory			10.03			10.03	0.00	0.00%	5.05%	5.02%
Debt Retirement Charge (DRC)	1,500.00	0.00700	10.50	1,500.00	0.00700	10.50	0.00	0.00%	5.29%	5.26%
Total Bill on RPP (before taxes)			194.06			195.25	1.19	0.61%	98.33%	
HST		13%	25.23		13%	25.38	0.15	0.61%	12.78%	
Total Bill (including HST)			219.29			220.64	1.34	0.61%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(21.93)		(10%)	(22.06)	(0.13)	0.61%	-11.11%	
Total Bill on RPP (including OCEB)			197.36			198.57	1.21	0.61%	100.00%	
Total Bill on TOU (before taxes)			195.24			196.43	1.19	0.61%		98.33%
HST		13%	25.38		13%	25.54	0.15	0.61%		12.78%
Total Bill (including HST)			220.62			221.96	1.34	0.61%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(22.06)		(10%)	(22.20)	(0.13)	0.61%		-11.11%
Total Bill on TOU (including OCEB)			198.55			199.76	1.21	0.61%		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%	18.51%	
Energy Second Tier (kWh)	1,319.80	0.0870	114.82	1,319.80	0.0870	114.82	0.00	0.00%	38.29%	
TOU - Off Peak	1,324.67	0.0630	83.45	1,324.67	0.0630	83.45	0.00	0.00%		28.41%
TOU - Mid Peak	372.56	0.0990	36.88	372.56	0.0990	36.88	0.00	0.00%		12.55%
TOU - On Peak	372.56	0.1180	43.96	372.56	0.1180	43.96	0.00	0.00%		14.96%
Service Charge	1	17.75	17.75	1	17.98	17.98	0.23	1.30%	6.00%	6.12%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	24.1082	24.11	24.09	120440.85%	8.04%	8.21%
Distribution Volumetric Rate	2,000	0.0156	31.20	2,000	0.0158	31.60	0.40	1.28%	10.54%	10.76%
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			73.69	24.72	50.48%	24.57%	25.08%
Retail Transmission Rate - Network Service Rate	2,069.80	0.00670	13.87	2,069.80	0.00670	13.87	0.00	0.00%	4.62%	4.72%
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%	3.24%	3.31%
Total: Retail Transmission			23.60			23.60	0.00	0.00%	7.87%	8.03%
Sub-Total: Delivery (Distribution and Retail Transmission)			72.57			97.28	24.72	34.06%	32.44%	33.11%
Wholesale Market Service Rate	2,069.80	0.0052	10.76	2,069.80	0.0052	10.76	0.00	0.00%	3.59%	3.66%
Rural Rate Protection Charge	2,069.80	0.0011	2.28	2,069.80	0.0011	2.28	0.00	0.00%	0.76%	0.77%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.09%
Sub-Total: Regulatory			13.29			13.29	0.00	0.00%	4.43%	4.52%
Debt Retirement Charge (DRC)	2,000.00	0.00700	14.00	2,000.00	0.00700	14.00	0.00	0.00%	4.67%	4.77%
Total Bill on RPP (before taxes)			270.18			294.90	24.72	9.15%	98.33%	
HST		13%	35.12		13%	38.34	3.21	9.15%	12.78%	
Total Bill (including HST)			305.30			333.23	27.93	9.15%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(30.53)		(10%)	(33.32)	(2.79)	9.15%	-11.11%	
Total Bill on RPP (including OCEB)			274.77			299.91	25.14	9.15%	100.00%	
Total Bill on TOU (before taxes)			264.16			288.87	24.72	9.36%		98.33%
HST		13%	34.34		13%	37.55	3.21	9.36%		12.78%
Total Bill (including HST)			298.50			326.43	27.93	9.36%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(29.85)		(10%)	(32.64)	(2.79)	9.36%		-11.11%
Total Bill on TOU (including OCEB)			268.65			293.79	25.14	9.36%		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%	7.93%	
Energy Second Tier (kWh)	4,424.50	0.0870	384.93	4,424.50	0.0870	384.93	0.00	0.00%	54.99%	
TOU - Off Peak	3,311.68	0.0630	208.64	3,311.68	0.0630	208.64	0.00	0.00%		31.15%
TOU - Mid Peak	931.41	0.0990	92.21	931.41	0.0990	92.21	0.00	0.00%		13.77%
TOU - On Peak	931.41	0.1180	109.91	931.41	0.1180	109.91	0.00	0.00%		16.41%
Service Charge	1	17.75	17.75	1	17.98	17.98	0.23	1.30%	2.57%	2.68%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	24.1082	24.11	24.09	120440.85%	3.44%	3.60%
Distribution Volumetric Rate	5,000	0.0156	78.00	5,000	0.0158	79.00	1.00	1.28%	11.28%	11.79%
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			121.09	25.32	26.44%	17.30%	18.08%
Retail Transmission Rate - Network Service Rate	5,174.50	0.00670	34.67	5,174.50	0.00670	34.67	0.00	0.00%	4.95%	5.18%
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%	3.47%	3.63%
Total: Retail Transmission			58.99			58.99	0.00	0.00%	8.43%	8.81%
Sub-Total: Delivery (Distribution and Retail Transmission)			154.76			180.08	25.32	16.36%	25.72%	26.88%
Wholesale Market Service Rate	5,174.50	0.0052	26.91	5,174.50	0.0052	26.91	0.00	0.00%	3.84%	4.02%
Rural Rate Protection Charge	5,174.50	0.0011	5.69	5,174.50	0.0011	5.69	0.00	0.00%	0.81%	0.85%
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%	4.69%	4.90%
Debt Retirement Charge (DRC)	5,000.00	0.00700	35.00	5,000.00	0.00700	35.00	0.00	0.00%	5.00%	5.22%
Total Bill on RPP (before taxes)			663.04			688.36	25.32	3.82%	98.33%	
HST		13%	86.20		13%	89.49	3.29	3.82%	12.78%	
Total Bill (including HST)			749.24			777.84	28.61	3.82%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(74.92)		(10%)	(77.78)	(2.86)	3.82%	-11.11%	
Total Bill on RPP (including OCEB)			674.31			700.06	25.75	3.82%	100.00%	
Total Bill on TOU (before taxes)			633.36			658.68	25.32	4.00%		98.33%
HST		13%	82.34		13%	85.63	3.29	4.00%		12.78%
Total Bill (including HST)			715.70			744.31	28.61	4.00%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(71.57)		(10%)	(74.43)	(2.86)	4.00%		-11.11%
Total Bill on TOU (including OCEB)			644.13			669.88	25.75	4.00%		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%	4.06%	
Energy Second Tier (kWh)	9,599.00	0.0870	835.11	9,599.00	0.0870	835.11	0.00	0.00%	61.09%	
TOU - Off Peak	6,623.36	0.0630	417.27	6,623.36	0.0630	417.27	0.00	0.00%		32.18%
TOU - Mid Peak	1,862.82	0.0990	184.42	1,862.82	0.0990	184.42	0.00	0.00%		14.22%
TOU - On Peak	1,862.82	0.1180	219.81	1,862.82	0.1180	219.81	0.00	0.00%		16.95%
Service Charge	1	17.75	17.75	1	17.98	17.98	0.23	1.30%	1.32%	1.39%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	24.1082	24.11	24.09	120440.85%	1.76%	1.86%
Distribution Volumetric Rate	10,000	0.0156	156.00	10,000	0.0158	158.00	2.00	1.28%	11.56%	12.18%
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			200.09	26.32	15.15%	14.64%	15.43%
Retail Transmission Rate - Network Service Rate	10,349.00	0.00670	69.34	10,349.00	0.00670	69.34	0.00	0.00%	5.07%	5.35%
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%	3.56%	3.75%
Total: Retail Transmission			117.98			117.98	0.00	0.00%	8.63%	9.10%
Sub-Total: Delivery (Distribution and Retail Transmission)			291.75			318.07	26.32	9.02%	23.27%	24.53%
Wholesale Market Service Rate	10,349.00	0.0052	53.81	10,349.00	0.0052	53.81	0.00	0.00%	3.94%	4.15%
Rural Rate Protection Charge	10,349.00	0.0011	11.38	10,349.00	0.0011	11.38	0.00	0.00%	0.83%	0.88%
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%	4.79%	5.05%
Debt Retirement Charge (DRC)	10,000.00	0.00700	70.00	10,000.00	0.00700	70.00	0.00	0.00%	5.12%	5.40%
Total Bill on RPP (before taxes)			1,317.81			1,344.13	26.32	2.00%	98.33%	
HST		13%	171.32		13%	174.74	3.42	2.00%	12.78%	
Total Bill (including HST)			1,489.13			1,518.87	29.74	2.00%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(148.91)		(10%)	(151.89)	(2.97)	2.00%	-11.11%	
Total Bill on RPP (including OCEB)			1,340.21			1,366.98	26.77	2.00%	100.00%	
Total Bill on TOU (before taxes)			1,248.70			1,275.02	26.32	2.11%		98.33%
HST		13%	162.33		13%	165.75	3.42	2.11%		12.78%
Total Bill (including HST)			1,411.03			1,440.77	29.74	2.11%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(141.10)		(10%)	(144.08)	(2.97)	2.11%		-11.11%
Total Bill on TOU (including OCEB)			1,269.93			1,296.69	26.77	2.11%		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%	66.69%	
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%		34.63%
TOU - Mid Peak	6,799.29	0.0990	673.13	6,799.29	0.0990	673.13	0.00	0.00%		15.30%
TOU - On Peak	6,799.29	0.1180	802.32	6,799.29	0.1180	802.32	0.00	0.00%		18.24%
Service Charge	1	108.32	108.32	1	109.71	109.71	1.39	1.28%	2.62%	2.49%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	33.1037	33.10	33.08	165418.27%	0.79%	0.75%
Distribution Volumetric Rate	100	2.4381	243.81	100	2.4693	246.93	3.12	1.28%	5.89%	5.61%
Low Voltage Volumetric Rate	100	0.00	0.00	100	0.00	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			389.74	37.59	10.68%	9.30%	8.86%
Retail Transmission Rate - Network Service Rate	100.00	2.60530	260.53	100.00	2.59950	259.95	(0.58)	-0.22%	6.20%	5.91%
Retail Transmission Rate - Line and Transformation Connection Service Rate	100.00	1.83070	183.07	100.00	1.82710	182.71	(0.36)	-0.20%	4.36%	4.15%
Total: Retail Transmission			443.60			442.66	(0.94)	(0.21%)	10.56%	10.06%
Sub-Total: Delivery (Distribution and Retail Transmission)			795.75			832.40	36.65	4.61%	19.86%	18.93%
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%	0.94%
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%	5.68%	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			4,121.39	36.65	0.90%	98.33%	
HST		13%	531.02		13%	535.78	4.76	0.90%	12.78%	
Total Bill (including HST)			4,615.76			4,657.18	41.42	0.90%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(461.58)		(10%)	(465.72)	(4.14)	0.90%	-11.11%	
Total Bill on RPP (including OCEB)			4,154.18			4,191.46	37.28	0.90%	100.00%	
Total Bill on TOU (before taxes)			4,287.96			4,324.62	36.65	0.85%		98.33%
HST		13%	557.44		13%	562.20	4.76	0.85%		12.78%
Total Bill (including HST)			4,845.40			4,886.82	41.42	0.85%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(484.54)		(10%)	(488.68)	(4.14)	0.85%		-11.11%
Total Bill on TOU (including OCEB)			4,360.86			4,398.14	37.28	0.85%		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%	68.11%	
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%		35.33%
TOU - Mid Peak	16,998.23	0.0990	1,682.83	16,998.23	0.0990	1,682.83	0.00	0.00%		15.61%
TOU - On Peak	16,998.23	0.1180	2,005.79	16,998.23	0.1180	2,005.79	0.00	0.00%		18.61%
Service Charge	1	108.32	108.32	1	109.71	109.71	1.39	1.28%	1.07%	1.02%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	33.1037	33.10	33.08	165418.27%	0.32%	0.31%
Distribution Volumetric Rate	250	2.4381	609.53	250	2.4693	617.33	7.80	1.28%	6.02%	5.73%
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			760.14	42.27	5.89%	7.41%	7.05%
Retail Transmission Rate - Network Service Rate	250.00	2.60530	651.33	250.00	2.59950	649.88	(1.45)	-0.22%	6.33%	6.03%
Retail Transmission Rate - Line and Transformation Connection Service Rate	250.00	1.83070	457.68	250.00	1.82710	456.78	(0.90)	-0.20%	4.45%	4.24%
Total: Retail Transmission			1,109.00			1,106.65	(2.35)	(0.21%)	10.79%	10.27%
Sub-Total: Delivery (Distribution and Retail Transmission)			1,826.87			1,866.79	39.92	2.19%	18.19%	17.32%
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%	5.80%	5.52%
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			10,088.89	39.92	0.40%	98.33%	
HST		13%	1,306.37		13%	1,311.56	5.19	0.40%	12.78%	
Total Bill (including HST)			11,355.33			11,400.44	45.11	0.40%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(1,135.53)		(10%)	(1,140.04)	(4.51)	0.40%	-11.11%	
Total Bill on RPP (including OCEB)			10,219.80			10,260.40	40.60	0.40%	100.00%	
Total Bill on TOU (before taxes)			10,557.02			10,596.95	39.92	0.38%		98.33%
HST		13%	1,372.41		13%	1,377.60	5.19	0.38%		12.78%
Total Bill (including HST)			11,929.44			11,974.55	45.11	0.38%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(1,192.94)		(10%)	(1,197.46)	(4.51)	0.38%		-11.11%
Total Bill on TOU (including OCEB)			10,736.49			10,777.10	40.60	0.38%		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	% of Total TOU 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%	68.59%	
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%		35.57%
TOU - Mid Peak	33,996.47	0.0990	3,365.65	33,996.47	0.0990	3,365.65	0.00	0.00%		15.72%
TOU - On Peak	33,996.47	0.1180	4,011.58	33,996.47	0.1180	4,011.58	0.00	0.00%		18.74%
Service Charge	1	108.32	108.32	1	109.71	109.71	1.39	1.28%	0.54%	0.51%
Service Charge Rate Rider(s)	1	0.0200	0.02	1	33.1037	33.10	33.08	165418.27%	0.16%	0.15%
Distribution Volumetric Rate	500	2.4381	1,219.05	500	2.4693	1,234.65	15.60	1.28%	6.06%	5.77%
Low Voltage Volumetric Rate	500		0.00	500		0.00	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%	0.00%
Total: Distribution			1,327.39			1,377.46	50.07	3.77%	6.76%	6.43%
Retail Transmission Rate - Network Service Rate	500.00	2.60530	1,302.65	500.00	2.59950	1,299.75	(2.90)	-0.22%	6.38%	6.07%
Retail Transmission Rate - Line and Transformation Connection Service Rate	500.00	1.83070	915.35	500.00	1.82710	913.55	(1.80)	-0.20%	4.48%	4.27%
Total: Retail Transmission			2,218.00			2,213.30	(4.70)	(0.21%)	10.86%	10.34%
Sub-Total: Delivery (Distribution and Retail Transmission)			3,545.39			3,590.76	45.37	1.28%	17.62%	16.77%
Wholesale Market Service Rate	188,869.25	0.0052	982.12	188,869.25	0.0052	982.12	0.00	0.00%	4.82%	4.59%
Rural Rate Protection Charge	188,869.25	0.0011	207.76	188,869.25	0.0011	207.76	0.00	0.00%	1.02%	0.97%
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			1,190.13			1,190.13	0.00	0.00%	5.84%	5.56%
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%	5.97%
Total Bill on RPP (before taxes)			19,989.34			20,034.71	45.37	0.23%	98.33%	
HST		13%	2,598.61		13%	2,604.51	5.90	0.23%	12.78%	
Total Bill (including HST)			22,587.96			22,639.23	51.27	0.23%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(2,258.80)		(10%)	(2,263.92)	(5.13)	0.23%	-11.11%	
Total Bill on RPP (including OCEB)			20,329.16			20,375.30	46.15	0.23%	100.00%	
Total Bill on TOU (before taxes)			21,005.46			21,050.83	45.37	0.22%		98.33%
HST		13%	2,730.71		13%	2,736.61	5.90	0.22%		12.78%
Total Bill (including HST)			23,736.17			23,787.44	51.27	0.22%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(2,373.62)		(10%)	(2,378.74)	(5.13)	0.22%		-11.11%
Total Bill on TOU (including OCEB)			21,362.55			21,408.70	46.15	0.22%		100.00%