

Niagara On-The-Lake HYDRO

February 4, 2012

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
P.O. Box 2319
26th Floor
2300 Yonge Street
Toronto ON M4P 1E4

Dear Ms. Walli

**Re: Niagara-on-the-Lake Hydro Inc.
Smart Meter Prudence Review – Amendment**

Further to my letter of January 31, 2012, we would like to make a small amendment to the Niagara-on-the-Lake Hydro Inc.'s Application for rate riders in regard to the 2012 Smart Meter costs.

An amount of \$7,773 was included in the original application for the capital costs of a collector installed by the vendor Advanced Wireless Data Inc. As no invoice had yet been received, this cost was based on a quotation which had been provided prior to construction. Subsequent to our submission of January 31, 2012, the actual invoice was received for a lesser amount of \$2,481.

As a result of this reduction in the capital costs, the requested Smart Meter Incremental Revenue Requirement Rate Rider (per metered customer per month) for the residential class is reduced slightly from \$3.08 to \$3.07. The residential bill impact is slightly reduced. No other rates in the application are affected.

This reduction requires amendment to the Tables 2, 3, 5, 6 and 7 which had been included in the Manager's Summary. These amendments are provided below:

**Table #2 Amended: Bill Impacts –
Residential & GS<50kW Customers with Smart Meter RR**

Class	kWh/kW	Distribution Impact	Total Bill Impact
Residential	1000kWh	28.01%	6.04%
GS<50kW	2000 kWh	21.58%	5.13%

Table #3 Amended: Smart Meter Capital & OM&A

Rate Filing	Total Actual
Minimum Functionality - Capital	\$1,619,172
Minimum functionality - OM&A	\$119,558
Beyond Minimum Functionality - Capital	\$268,479
Beyond Minimum functionality - OM&A	\$45,733
TOTAL	\$2,052,941
#s may not appear to add due to rounding	

Table #5 Amended: Smart Meter Disposition Rider ("SMDR")

Smart Meter Actual Cost Recovery Rate Rider Calculated by Rate Class			
	Total	Residential	GS < 50
Allocators			
CWMC (Account 1860) - Cost Allocation, Tab I6, Row 45	731,095	600,125	130,970
CWMC (Account 1860)	100.00%	82.09%	17.91%
Number of meters installed	8,078	6,816	1,262
Number of meters installed	100.00%	84.38%	15.62%
Revenue Requirement Allocation before PILs - Cost Allocation, Tab O1, Row 35 - Row 27	3,279,037	2,213,619	1,065,418
Revenue Requirement Allocation before PILs	100.00%	67.51%	32.49%
Total Return (deemed interest plus return on equity)	\$ 198,672	\$ 163,082	\$ 35,591
Amortization	\$ 245,858	\$ 201,814	\$ 44,043
OM&A	\$ 125,623	\$ 105,997	\$ 19,626
PILs	-\$ 5,907	-\$ 3,988	-\$ 1,919
Total Revenue Requirement 2006 to 2011	\$ 564,246	\$ 466,905	\$ 97,340
	100.00%	82.75%	17.25%
Smart Meter Rate Adder Revenues	(\$344,376)		
Carrying Charge	(\$8,910)		
Smart Meter True-up	\$ 210,960	\$ 174,567	\$ 36,394
Metered Customers	8,078	6,816	1,262
Years for collection	2	2	2
Rate Rider to Recover Smart Meter Costs	\$ 1.09	\$ 1.07	\$ 1.20

Table #6 Amended: Smart Meter Incremental Revenue Requirement Rate Rider ("SMIRR")

Smart Meter Actual Cost Recovery Rate Rider Calculated by Rate Class			
	Total	Residential	GS < 50
Allocators			
CWMC (Account 1860) - Cost Allocation, Tab I6, Row 45	731,095	600,125	130,970
CWMC (Account 1860)	100.00%	82.09%	17.91%
Number of meters installed	8,078	6,816	1,262
Number of meters installed	100.00%	84.38%	15.62%
Revenue Requirement Allocation before PILs - Cost Allocation, Tab O1, Row 35 - Row 27	3,279,037	2,213,619	1,065,418
Revenue Requirement Allocation before PILs	100.00%	67.51%	32.49%
Total Return (deemed interest plus return on equity)	\$ 102,212	\$ 83,902	\$ 18,311
Amortization	\$ 155,788	\$ 127,879	\$ 27,908
OM&A	\$ 39,667	\$ 33,470	\$ 6,197
PILs	\$ 9,207	\$ 6,216	\$ 2,992
Total Revenue Requirement 2006 to 2011	\$ 306,875	\$ 251,467	\$ 55,407
	100.00%	81.94%	18.06%
Smart Meter Rate Adder Revenues			
Carrying Charge			
Smart Meter True-up	\$ 306,875	\$ 251,467	\$ 55,407
Metered Customers	8,078	6,816	1,262
Rate Rider to Recover Smart Meter Costs	\$ 3.17	\$ 3.07	\$ 3.66

Table 7 Amended : Disposition Rider and Incremental Revenue Requirement Rate Rider

Residential	30-Apr-12	1-May-12	Variance
Funding Adder to April 30, 2012	\$1.00	\$0.00	(\$1.00)
Disposition Rider	\$0.00	\$1.07	\$1.07
Incremental Revenue Rate Rider	\$0.00	\$3.07	\$3.07
Smart Meter Rate Change	\$1.00	\$4.14	\$3.14

GS<50kW	30-Apr-12	1-May-12	Variance
Funding Adder to April 30, 2012	\$1.00	\$0.00	(\$1.00)
Disposition Rider	\$0.00	\$1.20	\$1.20
Incremental Revenue Rate Rider	\$0.00	\$3.66	\$3.66
Smart Meter Rate Change	\$1.00	\$4.86	\$3.86

February 4, 2012

Amended Addenda 7, 8 and 9 are also provided, and an amended Smart Meter model.

An electronic copy of this Amendment has been filed on the Ontario Energy Board's RESS Filing System and two (2) hard copies are enclosed. This Amendment is respectfully submitted for the Board's consideration for rates effective May 1, 2012.

Should you have any questions please do not hesitate to contact me.

Yours truly



Jim Huntingdon

President

Encl.

Addendum 7 Amended

Amended Residential Bill Impacts

(No change to GS < 50 kW impacts)

Rate Class

Residential

Monthly Rates and Charges	Current Rate	Applied For Rate	\$1.07 SMDR	
Service Charge	18.06	18.09	\$3.07	SMIRR AMENDED
Smart Meter Funding Adder	1.00	4.14	\$4.14	
Service Charge Rate Rider(s)	-	0.30		
Distribution Volumetric Rate	0.01270	0.01272		
Distribution Volumetric Rate Rider(s)	(0.00370)	0.00067		
Low Voltage Volumetric Rate	0.00000	0.00000		
Retail Transmission Rate – Network Service Rate	0.00610	0.00593		
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.00130	0.00123		
Wholesale Market Service Rate	0.0052	0.0052		
Rural Rate Protection Charge	0.0013	0.0013		
Standard Supply Service – Administration Charge (if applicable)	0.25	0.25		
Debt Retirement Charge (DRC)	0.0070	0.0070		
Loss Factor	1.0463	1.0463		

Consumption	1,000	kWh		kW
RPP Tier One	600	kWh	Load Factor	

Current Loss Factor	1.0463
Proposed Loss Factor	1.0463

Residential	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	600.00	0.0680	40.80	600.00	0.0680	40.80	0.00	0.00%	27.04%
Energy Second Tier (kWh)	446.30	0.0790	35.26	446.30	0.0790	35.26	0.00	0.00%	23.37%
Sub-Total: Energy			76.06			76.06	0.00	0.00%	50.41%
Service Charge	1	18.06	18.06	1	18.09	18.09	0.03	0.18%	11.99%
Service Charge Rate Rider(s)	1	1.00	1.00	1	4.44	4.44	3.44	344.00%	2.94%
Distribution Volumetric Rate	1,000	0.0127	12.70	1,000	0.0127	12.72	0.02	0.18%	8.43%
Low Voltage Volumetric Rate	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	1,000	(0.0037)	(3.70)	1,000	0.0007	0.67	4.37	(117.98)%	0.44%
Total: Distribution			28.06			35.92	7.86	28.01%	23.81%
Retail Transmission Rate – Network Service Rate	1,046.30	0.0061	6.38	1,046.30	0.0059	6.20	-0.18	(2.82)%	4.11%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,046.30	0.0013	1.36	1,046.30	0.0012	1.29	-0.07	(5.12)%	0.86%
Total: Retail Transmission			7.74			7.49	-0.25	(3.22)%	4.97%
Sub-Total: Delivery (Distribution and Retail Transmission)			35.80			43.41	7.61	21.26%	28.77%
Wholesale Market Service Rate	1,046.30	0.0052	5.44	1,046.30	0.0052	5.44	0.00	0.00%	3.61%
Rural Rate Protection Charge	1,046.30	0.0013	1.36	1,046.30	0.0013	1.36	0.00	0.00%	0.90%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%
Sub-Total: Regulatory			7.05			7.05			4.67%
Debt Retirement Charge (DRC)	1,000.00	0.00700	7.00	1,000	0.0070	7.00	0.00	0.00%	4.64%
Total Bill before Taxes			125.91			133.52	7.61	6.04%	88.50%
HST		13%	16.37		13%	17.36	0.99	6.04%	11.50%
Total Bill			142.28			150.88	8.60	6.04%	100.00%
Ontario Clean Energy Benefit (OCEB)		(10%)	-14.23		(10%)	-15.09			
Total Bill (less OCEB)			128.05			135.79	7.74	6.04%	

Addendum 8 Amended

Smart Meter Model



Ontario Energy Board

Smart Meter Model

Choose Your Utility:

Niagara Peninsula Energy Inc.
 Niagara-on-the-Lake Hydro Inc.
 Norfolk Power Distribution Inc.

Application Contact Information

Name: Philip Wormwell

Title: Director of Corporate Services

Phone Number: 905.468.4235 x380

Email Address: pwormwell@notlhydro.com

We are applying for rates effective: May 1, 2012

Last COS Re-based Year: 2009

Legend

DROP-DOWN MENU

INPUT FIELD

CALCULATION FIELD

Copyright

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.



Ontario Energy Board

Smart Meter Model

Niagara-on-the-Lake Hydro Inc.

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.

Smart Meter Capital Cost and Operational Expense Data

Smart Meter Installation Plan

Actual/Planned number of Smart Meters installed during the Calendar Year

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 and later Forecast	Total
Residential				159	6,378	129	150	6816
General Service < 50 kW					1,094	153	15	1262
Actual/Planned number of Smart Meters installed (Residential and GS < 50 kW only)	0	0	0	159	7472	282	165	8078
Percentage of Residential and GS < 50 kW Smart Meter Installations Completed	0.00%	0.00%	0.00%	1.97%	94.47%	97.96%	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	159	7472	282	165	8078

1 Capital Costs

1.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

	Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
1.1.1 Smart Meters (may include new meters and modules, etc.)	Smart Meter				298,733	490,186	77,394	15,223	\$ 881,536
1.1.2 Installation Costs (may include socket kits, labour, vehicle, benefits, etc.)	Smart Meter				4,976	211,501	47,925	900	\$ 265,303
1.1.3a Workforce Automation Hardware (may include fieldwork handhelds, barcode hardware, etc.)	Computer Hardware				-49	660	0		\$ 611
1.1.3b Workforce Automation Software (may include fieldwork handhelds, barcode hardware, etc.)									\$ -
Total Advanced Metering Communications Devices (AMCD)		\$ -	\$ -	\$ -	\$ 303,661	\$ 702,347	\$ 125,319	\$ 16,123	\$ 1,147,450

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

	Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
1.2.1 Collectors	Other Equipment				158,703				\$ 158,703
1.2.2 Repeaters (may include radio licence, etc.)									\$ -
1.2.3 Installation (may include meter seals and rings, collector computer hardware, etc.)	Smart Meter			19,955	36,983	474	2,481		\$ 59,893
Total Advanced Metering Regional Collector (AMRC) (Includes LAN)		\$ -	\$ -	\$ 19,955	\$ 195,685	\$ 474	\$ 2,481	\$ -	\$ 218,595

regardless of whether a distributor has deployments in 2012, distributors should enter the forecasted OM&A for 2012 for all smart meters in service.

Smart Meter Capital Cost and Operational Expense Data		2006	2007	2008	2009	2010	2011	2012 and later	Total
		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
Asset Type									
1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
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									
1.4 WIDE AREA NETWORK (WAN)		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
1.4.1 Activation Fees									\$ -
Total Wide Area Network (WAN)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asset Type									
1.5 OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
1.5.1 Customer Equipment (including repair of damaged equipment)	Smart Meter					2,680	545		\$ 3,225
1.5.2 AMI Interface to CIS	Computer Software				2,000		8,400	0	\$ 10,400
1.5.3 Professional Fees	Smart Meter	2,435	11,605	21,086	28,225	41,863	32,270	28,860	\$ 166,344
1.5.4 Integration									\$ -
1.5.5 Program Management	Smart Meter		10,542	20,339	12,655	15,146	14,475	0	\$ 73,157
1.5.6 Other AMI Capital									\$ -
Total Other AMI Capital Costs Related to Minimum Functionality		\$ 2,435	\$ 22,147	\$ 41,425	\$ 42,880	\$ 59,689	\$ 55,689	\$ 28,860	\$ 253,126
Total Capital Costs Related to Minimum Functionality		\$ 2,435	\$ 22,147	\$ 61,380	\$ 542,226	\$ 762,510	\$ 183,489	\$ 44,984	\$ 1,619,172
Asset Type									
1.6 CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY (Please provide a descriptive title and identify nature of beyond minimum functionality costs)		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
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.	Computer Software					176,371	76,212	15,896	\$ 268,479
Total Capital Costs Beyond Minimum Functionality		\$ -	\$ -	\$ -	\$ -	\$ 176,371	\$ 76,212	\$ 15,896	\$ 268,479
Total Smart Meter Capital Costs		\$ 2,435	\$ 22,147	\$ 61,380	\$ 542,226	\$ 938,881	\$ 259,702	\$ 60,880	\$ 1,887,650

regardless of whether a distributor has deployments in 2012, distributors should enter the forecasted OM&A for 2012 for all smart meters in service.

Smart Meter Capital Cost and Operational Expense Data 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

	2006	2007	2008	2009	2010	2011	2012 and later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
					30,782	13,442	27,147	\$ 71,371
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ 30,782	\$ 13,442	\$ 27,147	\$ 71,371
								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
				2,484	6,734	17,167	0	\$ 26,385
						9,891	3,168	\$ 13,059
				0				\$ -
				106				\$ 106
						7,138	1,500	\$ 8,638
	\$ -	\$ -	\$ -	\$ 2,590	\$ 6,734	\$ 34,196	\$ 4,668	\$ 48,187
	\$ -	\$ -	\$ -	\$ 2,590	\$ 37,516	\$ 47,637	\$ 31,815	\$ 119,558
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual		
								\$ -
								\$ -
				1,222	11,082	25,576	7,852	\$ 45,733
	\$ -	\$ -	\$ -	\$ 1,222	\$ 11,082	\$ 25,576	\$ 7,852	\$ 45,733
	\$ -	\$ -	\$ -	\$ 3,811	\$ 48,598	\$ 73,214	\$ 39,667	\$ 165,290

regardless of whether a distributor has deployments in 2012, distributors should enter the forecasted OM&A for 2012 for all smart meters in service.

Smart Meter Capital Cost and Operational Expense Data		2006	2007	2008	2009	2010	2011	2012 and later	Total
		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
3 Aggregate Smart Meter Costs by Category									
3.1	Capital								
3.1.1	Smart Meter	\$ 2,435	\$ 22,147	\$ 61,380	\$ 381,572	\$ 761,850	\$ 175,089	\$ 44,984	\$ 1,449,458
3.1.2	Computer Hardware	\$ -	\$ -	\$ -	-\$ 49	\$ 660	\$ -	\$ -	\$ 611
3.1.3	Computer Software	\$ -	\$ -	\$ -	\$ 2,000	\$ 176,371	\$ 84,612	\$ 15,896	\$ 278,879
3.1.4	Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.1.5	Other Equipment	\$ -	\$ -	\$ -	\$ 158,703	\$ -	\$ -	\$ -	\$ 158,703
3.1.6	Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.1.7	Total Capital Costs	\$ 2,435	\$ 22,147	\$ 61,380	\$ 542,226	\$ 938,881	\$ 259,702	\$ 60,880	\$ 1,887,650
3.2	OM&A Costs								
3.2.1	Total OM&A Costs	\$ -	\$ -	\$ -	\$ 3,811	\$ 48,598	\$ 73,214	\$ 39,667	\$ 165,290



Ontario Energy Board

Smart Meter Model

Niagara-on-the-Lake Hydro Inc.

	2006	2007	2008	2009	2010	2011	2012 and later
Cost of Capital							
Capital Structure¹							
Deemed Short-term Debt Capitalization			0.0%	4.0%	4.0%	4.0%	4.0%
Deemed Long-term Debt Capitalization	50.0%	50.0%	53.3%	52.7%	56.0%	56.0%	56.0%
Deemed Equity Capitalization	50.0%	50.0%	46.7%	43.3%	40.0%	40.0%	40.0%
Preferred Shares	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	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%	1.33%	1.33%	1.33%	1.33%
Long-term Debt Rate (actual/embedded/deemed) ²	6.60%	6.60%	6.60%	6.04%	6.04%	6.04%	6.04%
Target Return on Equity (ROE)	9.0%	9.00%	9.00%	8.01%	8.01%	8.01%	8.01%
Return on Preferred Shares	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WACC	7.80%	7.80%	7.72%	6.70%	6.64%	6.64%	6.64%
Working Capital Allowance							
Working Capital Allowance Rate	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
<i>(% of the sum of Cost of Power + controllable expenses)</i>							
Taxes/PILs							
Aggregate Corporate Income Tax Rate	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
Capital Tax (until July 1st, 2010)	0.30%	0.225%	0.225%	0.225%	0.075%	0.00%	0.00%
Depreciation Rates							
<i>(expressed as expected useful life in years)</i>							
Smart Meters - years	15	15	15	15	15	15	15
- rate (%)	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%
Computer Hardware - years	5	5	5	5	5	5	5
- rate (%)	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
Computer Software - years	5	5	5	5	5	5	5
- rate (%)	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
Tools & Equipment - years	10	10	10	10	10	10	10
- rate (%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Other Equipment - years	25	25	25	25	25	25	25
- rate (%)	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
CCA Rates							
Smart Meters - CCA Class	47	47	47	47	47	47	47
Smart Meters - CCA Rate	8%	8%	8%	8%	8%	8%	8%
Computer Equipment - CCA Class	50	50	50	50	50	50	50
Computer Equipment - CCA Rate	55%	55%	55%	55%	55%	55%	55%
General Equipment - CCA Class	47	47	47	47	47	47	47
General Equipment - CCA Rate	8%	8%	8%	8%	8%	8%	8%
Applications Software - CCA Class							
Applications Software - CCA Rate							

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.



Ontario Energy Board

Smart Meter Model

Niagara-on-the-Lake Hydro Inc.

	2006	2007	2008	2009	2010	2011	2012 and later
Net Fixed Assets - Smart Meters							
Gross Book Value							
Opening Balance		\$ 2,435	\$ 24,582	\$ 85,963	\$ 467,535	\$ 1,229,385	\$ 1,404,474
Capital Additions during year (from Smart Meter Costs)	\$ 2,435	\$ 22,147	\$ 61,380	\$ 381,572	\$ 761,850	\$ 175,089	\$ 44,984
Retirements/Removals (if applicable)							
Closing Balance	\$ 2,435	\$ 24,582	\$ 85,963	\$ 467,535	\$ 1,229,385	\$ 1,404,474	\$ 1,449,458
Accumulated Depreciation							
Opening Balance		\$ 81	\$ 982	\$ 4,667	\$ 23,117	\$ 79,681	\$ 167,476
Amortization expense during year	\$ 81	\$ 901	\$ 3,685	\$ 18,450	\$ 56,564	\$ 87,795	\$ 95,131
Retirements/Removals (if applicable)							
Closing Balance	\$ 81	\$ 982	\$ 4,667	\$ 23,117	\$ 79,681	\$ 167,476	\$ 262,607
Net Book Value							
Opening Balance	\$ -	\$ 2,354	\$ 23,601	\$ 81,296	\$ 444,419	\$ 1,149,704	\$ 1,236,998
Closing Balance	\$ 2,354	\$ 23,601	\$ 81,296	\$ 444,419	\$ 1,149,704	\$ 1,236,998	\$ 1,186,851
Average Net Book Value	\$ 1,177	\$ 12,977	\$ 52,449	\$ 262,857	\$ 797,062	\$ 1,193,351	\$ 1,211,925
Net Fixed Assets - Computer Hardware							
Gross Book Value							
Opening Balance		\$ -	\$ -	\$ -	\$ 49	\$ 611	\$ 611
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 49	\$ 660	\$ -	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 49	\$ 611	\$ 611	\$ 611
Accumulated Depreciation							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 5	\$ 17	\$ 139
Amortization expense during year	\$ -	\$ -	\$ -	\$ 5	\$ 22	\$ 122	\$ 122
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 5	\$ 17	\$ 139	\$ 261
Net Book Value							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 44	\$ 594	\$ 472
Closing Balance	\$ -	\$ -	\$ -	\$ 44	\$ 594	\$ 472	\$ 350
Average Net Book Value	\$ -	\$ -	\$ -	\$ 22	\$ 275	\$ 533	\$ 411
Net Fixed Assets - Computer Software (including Applications Software)							
Gross Book Value							
Opening Balance		\$ -	\$ -	\$ -	\$ 2,000	\$ 178,371	\$ 262,983
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 2,000	\$ 176,371	\$ 84,612	\$ 15,896
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 2,000	\$ 178,371	\$ 262,983	\$ 278,879
Accumulated Depreciation							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 200	\$ 18,237	\$ 62,372
Amortization expense during year	\$ -	\$ -	\$ -	\$ 200	\$ 18,037	\$ 44,135	\$ 54,186
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 200	\$ 18,237	\$ 62,372	\$ 116,559
Net Book Value							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 1,800	\$ 160,133	\$ 200,611
Closing Balance	\$ -	\$ -	\$ -	\$ 1,800	\$ 160,133	\$ 200,611	\$ 162,320
Average Net Book Value	\$ -	\$ -	\$ -	\$ 900	\$ 80,967	\$ 180,372	\$ 181,465
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		\$ -	\$ -	\$ -	\$ 158,703	\$ 158,703	\$ 158,703
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 158,703	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 158,703	\$ 158,703	\$ 158,703	\$ 158,703
Accumulated Depreciation							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 3,174	\$ 9,522	\$ 15,870
Amortization expense during year	\$ -	\$ -	\$ -	\$ 3,174	\$ 6,348	\$ 6,348	\$ 6,348
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 3,174	\$ 9,522	\$ 15,870	\$ 22,218
Net Book Value							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 155,528	\$ 149,180	\$ 142,832
Closing Balance	\$ -	\$ -	\$ -	\$ 155,528	\$ 149,180	\$ 142,832	\$ 136,484
Average Net Book Value	\$ -	\$ -	\$ -	\$ 77,764	\$ 152,354	\$ 146,006	\$ 139,658



Ontario Energy Board

Smart Meter Model

Niagara-on-the-Lake Hydro Inc.

	2006	2007	2008	2009	2010	2011	2012 and Later
Average Net Fixed Asset Values (from Sheet 4)							
Smart Meters	\$ 1,177	\$ 12,977	\$ 52,449	\$ 262,857	\$ 797,062	\$ 1,193,351	\$ 1,211,925
Computer Hardware	\$ -	\$ -	\$ -	\$ 22	\$ 275	\$ 533	\$ 411
Computer Software	\$ -	\$ -	\$ -	\$ 900	\$ 80,967	\$ 180,372	\$ 181,465
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ 77,764	\$ 152,354	\$ 146,006	\$ 139,658
Total Net Fixed Assets	\$ 1,177	\$ 12,977	\$ 52,449	\$ 341,500	\$ 1,030,658	\$ 1,520,263	\$ 1,533,459
Working Capital							
Operating Expenses (from Sheet 2)	\$ -	\$ -	\$ -	\$ 3,811	\$ 48,598	\$ 73,214	\$ 39,667
Working Capital Factor (from Sheet 3)	15%	15%	15%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ -	\$ -	\$ 572	\$ 7,290	\$ 10,982	\$ 5,950
Incremental Smart Meter Rate Base	\$ 1,177	\$ 12,977	\$ 52,449	\$ 342,071	\$ 1,037,947	\$ 1,531,245	\$ 1,539,409
Return on Rate Base							
Capital Structure							
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ 13,683	\$ 41,518	\$ 61,250	\$ 61,576
Deemed Long Term Debt	\$ 588	\$ 6,489	\$ 27,955	\$ 180,272	\$ 581,251	\$ 857,497	\$ 862,069
Equity	\$ 588	\$ 6,489	\$ 24,493	\$ 148,117	\$ 415,179	\$ 612,498	\$ 615,764
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capitalization	\$ 1,177	\$ 12,977	\$ 52,449	\$ 342,071	\$ 1,037,947	\$ 1,531,245	\$ 1,539,409
Return on							
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ 182	\$ 552	\$ 815	\$ 821
Deemed Long Term Debt	\$ 39	\$ 428	\$ 1,845	\$ 10,888	\$ 35,108	\$ 51,793	\$ 52,069
Equity	\$ 53	\$ 584	\$ 2,204	\$ 11,864	\$ 33,256	\$ 49,061	\$ 49,323
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Return on Capital	\$ 92	\$ 1,012	\$ 4,049	\$ 22,935	\$ 68,916	\$ 101,669	\$ 102,212
Operating Expenses	\$ -	\$ -	\$ -	\$ 3,811	\$ 48,598	\$ 73,214	\$ 39,667
Amortization Expenses (from Sheet 4)							
Smart Meters	\$ 81	\$ 901	\$ 3,685	\$ 18,450	\$ 56,564	\$ 87,795	\$ 95,131
Computer Hardware	\$ -	\$ -	\$ -	\$ 5	\$ 22	\$ 122	\$ 122
Computer Software	\$ -	\$ -	\$ -	\$ 200	\$ 18,037	\$ 44,135	\$ 54,186
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ 3,174	\$ 6,348	\$ 6,348	\$ 6,348
Total Amortization Expense in Year	\$ 81	\$ 901	\$ 3,685	\$ 21,819	\$ 80,971	\$ 138,401	\$ 155,788
Incremental Revenue Requirement before Taxes/PILs	\$ 173	\$ 1,913	\$ 7,734	\$ 48,565	\$ 198,484	\$ 313,283	\$ 297,667
Calculation of Taxable Income							
Incremental Operating Expenses	\$ -	\$ -	\$ -	\$ 3,811	\$ 48,598	\$ 73,214	\$ 39,667
Amortization Expense	\$ 81	\$ 901	\$ 3,685	\$ 21,819	\$ 80,971	\$ 138,401	\$ 155,788
Interest Expense	\$ 39	\$ 428	\$ 1,845	\$ 11,070	\$ 35,660	\$ 52,607	\$ 52,890
Net Income for Taxes/PILs	\$ 53	\$ 584	\$ 2,204	\$ 11,864	\$ 33,256	\$ 49,061	\$ 49,323
Grossed-up Taxes/PILs (from Sheet 7)	\$ 27.83	\$ 285.87	\$ 969.32	\$ 3,865.09	\$ 4,801.54	\$ 6,253.65	\$ 9,207.40
Revenue Requirement, including Grossed-up Taxes/PILs	\$ 201	\$ 2,199	\$ 8,704	\$ 52,430	\$ 193,683	\$ 307,030	\$ 306,875



Ontario Energy Board

Smart Meter Model

Niagara-on-the-Lake Hydro Inc.

For PILs Calculation

UCC - Smart Meters

	2006 Audited Actua	2007 Audited Actua	2008 Audited Actua	2009 Audited Actua	2010 Audited Actua	2011 Audited Actua	2012 and later Forecast
Opening UCC	\$ -	\$ 2,337.68	\$ 23,412.17	\$ 80,464.41	\$ 440,336.65	\$ 1,136,485.53	\$ 1,213,652.34
Capital Additions	\$ 2,435.08	\$ 22,147.40	\$ 61,380.43	\$ 381,572.29	\$ 761,849.80	\$ 175,089.22	\$ 44,983.53
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ 2,435.08	\$ 24,485.08	\$ 84,792.60	\$ 462,036.70	\$ 1,202,186.45	\$ 1,311,574.75	\$ 1,258,635.87
Half Year Rule (1/2 Additions - Disposals)	\$ 1,217.54	\$ 11,073.70	\$ 30,680.22	\$ 190,786.15	\$ 380,924.90	\$ 87,544.61	\$ 22,491.77
Reduced UCC	\$ 1,217.54	\$ 13,411.38	\$ 54,102.38	\$ 271,250.55	\$ 821,261.55	\$ 1,224,030.14	\$ 1,236,144.10
CCA Rate Class	47	47	47	47	47	47	47
CCA Rate	8%	8%	8%	8%	8%	8%	8%
CCA	\$ 97.40	\$ 1,072.91	\$ 4,328.19	\$ 21,700.04	\$ 65,700.92	\$ 97,922.41	\$ 98,891.53
Closing UCC	\$ 2,337.68	\$ 23,412.17	\$ 80,464.41	\$ 440,336.65	\$ 1,136,485.53	\$ 1,213,652.34	\$ 1,159,744.34

UCC - Computer Equipment

	2006 Audited Actua	2007 Audited Actua	2008 Audited Actua	2009 Audited Actua	2010 Audited Actua	2011 Audited Actua	2012 and later Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ 1,414.33	\$ 128,983.88	\$ 119,386.74
Capital Additions Computer Hardware	\$ -	\$ -	\$ -	\$ 49.20	\$ 660.44	\$ -	\$ -
Capital Additions Computer Software	\$ -	\$ -	\$ -	\$ 2,000.00	\$ 176,370.50	\$ 84,612.41	\$ 15,896.00
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 1,950.80	\$ 178,445.27	\$ 213,596.29	\$ 135,282.74
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ 975.40	\$ 88,515.47	\$ 42,306.21	\$ 7,948.00
Reduced UCC	\$ -	\$ -	\$ -	\$ 975.40	\$ 89,929.80	\$ 171,290.09	\$ 127,334.74
CCA Rate Class	50	50	50	50	50	50	50
CCA Rate	55%	55%	55%	55%	55%	55%	55%
CCA	\$ -	\$ -	\$ -	\$ 536.47	\$ 49,461.39	\$ 94,209.55	\$ 70,034.11
Closing UCC	\$ -	\$ -	\$ -	\$ 1,414.33	\$ 128,983.88	\$ 119,386.74	\$ 65,248.63

UCC - General Equipment

	2006 Audited Actua	2007 Audited Actua	2008 Audited Actua	2009 Audited Actua	2010 Audited Actua	2011 Audited Actua	2012 and later Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ 152,354.45	\$ 140,166.09	\$ 128,952.80
Capital Additions Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Other Equipment	\$ -	\$ -	\$ -	\$ 158,702.55	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 158,702.55	\$ 152,354.45	\$ 140,166.09	\$ 128,952.80
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ 79,351.28	\$ 152,354.45	\$ 140,166.09	\$ 128,952.80
Reduced UCC	\$ -	\$ -	\$ -	\$ 79,351.28	\$ 152,354.45	\$ 140,166.09	\$ 128,952.80
CCA Rate Class	47	47	47	47	47	47	47
CCA Rate	8%	8%	8%	8%	8%	8%	8%
CCA	\$ -	\$ -	\$ -	\$ 6,348.10	\$ 12,188.36	\$ 11,213.29	\$ 10,316.22
Closing UCC	\$ -	\$ -	\$ -	\$ 152,354.45	\$ 140,166.09	\$ 128,952.80	\$ 118,636.58



Ontario Energy Board

Smart Meter Model

Niagara-on-the-Lake Hydro Inc.

PILs Calculation

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 and later Forecast
INCOME TAX							
Net Income	\$ 52.96	\$ 583.98	\$ 2,204.41	\$ 11,864.16	\$ 33,255.84	\$ 49,061.09	\$ 49,322.68
Amortization	\$ 81.17	\$ 900.59	\$ 3,684.85	\$ 21,819.07	\$ 80,970.92	\$ 138,401.00	\$ 155,787.60
CCA - Smart Meters	-\$ 97.40	-\$ 1,072.91	-\$ 4,328.19	-\$ 21,700.04	-\$ 65,700.92	-\$ 97,922.41	-\$ 98,891.53
CCA - Computers	\$ -	\$ -	\$ -	\$ 536.47	-\$ 49,461.39	-\$ 94,209.55	-\$ 70,034.11
CCA - Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Other Equipment	\$ -	\$ -	\$ -	-\$ 6,348.10	-\$ 12,188.36	-\$ 11,213.29	-\$ 10,316.22
Change in taxable income	\$ 36.73	\$ 411.65	\$ 1,561.07	\$ 5,098.61	-\$ 13,123.91	-\$ 15,883.15	\$ 25,868.41
Tax Rate (from Sheet 3)	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
Income Taxes Payable	\$ 13.27	\$ 148.69	\$ 522.96	\$ 1,682.54	-\$ 4,068.41	-\$ 4,486.99	\$ 6,790.46
ONTARIO CAPITAL TAX							
Smart Meters	\$ 2,353.91	\$ 23,600.73	\$ 81,296.31	\$ 444,418.66	\$ 1,149,704.46	\$ 1,236,998.37	\$ 1,186,850.83
Computer Hardware	\$ -	\$ -	\$ -	\$ 44.28	\$ 594.40	\$ 472.15	\$ 349.90
Computer Software (Including Application Software)	\$ -	\$ -	\$ -	\$ 1,800.00	\$ 160,133.45	\$ 200,610.52	\$ 162,320.34
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ 155,528.50	\$ 149,180.40	\$ 142,832.30	\$ 136,484.19
Rate Base	\$ 2,353.91	\$ 23,600.73	\$ 81,296.31	\$ 601,702.88	\$ 1,459,612.70	\$ 1,580,913.33	\$ 1,486,005.26
Less: Exemption							
Deemed Taxable Capital	\$ 2,353.91	\$ 23,600.73	\$ 81,296.31	\$ 601,702.88	\$ 1,459,612.70	\$ 1,580,913.33	\$ 1,486,005.26
Ontario Capital Tax Rate (from Sheet 3)	0.300%	0.225%	0.225%	0.225%	0.075%	0.000%	0.000%
Net Amount (Taxable Capital x Rate)	\$ 7.06	\$ 53.10	\$ 182.92	\$ 1,353.83	\$ 1,094.71	\$ -	\$ -
Change in Income Taxes Payable	\$ 13.27	\$ 148.69	\$ 522.96	\$ 1,682.54	-\$ 4,068.41	-\$ 4,486.99	\$ 6,790.46
Change in OCT	\$ 7.06	\$ 53.10	\$ 182.92	\$ 1,353.83	\$ 1,094.71	\$ -	\$ -
PILs	\$ 20.33	\$ 201.79	\$ 705.87	\$ 3,036.37	-\$ 2,973.70	-\$ 4,486.99	\$ 6,790.46
Gross Up PILs							
Tax Rate	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
Change in Income Taxes Payable	\$ 20.77	\$ 232.76	\$ 786.40	\$ 2,511.26	-\$ 5,896.25	-\$ 6,253.65	\$ 9,207.40
Change in OCT	\$ 7.06	\$ 53.10	\$ 182.92	\$ 1,353.83	\$ 1,094.71	\$ -	\$ -
PILs	\$ 27.83	\$ 285.87	\$ 969.32	\$ 3,865.09	-\$ 4,801.54	-\$ 6,253.65	\$ 9,207.40



Ontario Energy Board

Smart Meter Model

Niagara-on-the-Lake Hydro Inc.

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 (from Tariff)
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	\$ -	\$ 76.96	4.14%	\$ -	\$ 76.96		\$ 0.24
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	\$ 76.96	\$ 1,432.78	4.14%	\$ 0.27	\$ 1,510.01		\$ 0.24
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	\$ 1,509.74	\$ 1,879.97	4.59%	\$ 5.77	\$ 3,395.48		\$ 0.24
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	\$ 3,389.71	\$ 1,831.36	4.59%	\$ 12.97	\$ 5,234.04		\$ 0.24
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	\$ 5,221.07	\$ 1,849.92	4.59%	\$ 19.97	\$ 7,090.96		\$ 0.24
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	\$ 7,070.99	\$ 1,841.45	4.59%	\$ 27.05	\$ 8,939.49		\$ 0.24
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	\$ 8,912.44	\$ 1,778.09	4.59%	\$ 34.09	\$ 10,724.62		\$ 0.24
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	\$ 10,690.53	\$ 1,659.55	4.59%	\$ 40.89	\$ 12,390.97	\$ 12,491.09	\$ 0.24
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	\$ 12,350.08	\$ 2,043.28	4.59%	\$ 47.24	\$ 14,440.60		\$ 0.24
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	\$ 14,393.36	\$ 1,649.92	4.59%	\$ 55.05	\$ 16,098.33		\$ 0.24
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	\$ 16,043.28	\$ 1,827.93	4.59%	\$ 61.37	\$ 17,932.58		\$ 0.24
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	\$ 17,871.21	\$ 1,876.15	4.59%	\$ 68.36	\$ 19,815.72		\$ 0.24
2010 Q1	0.55%	4.34%	May-07	2007	Q2	\$ 19,747.36	\$ 1,817.07	4.59%	\$ 75.53	\$ 21,639.96		\$ 0.24
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	\$ 21,564.43	\$ 1,856.33	4.59%	\$ 82.48	\$ 23,503.24		\$ 0.24
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	\$ 23,420.76	\$ 1,826.52	4.59%	\$ 89.58	\$ 25,336.86		\$ 0.24
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	\$ 25,247.28	\$ 1,977.13	4.59%	\$ 96.57	\$ 27,320.98		\$ 0.24
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	\$ 27,224.41	\$ 1,948.86	4.59%	\$ 104.13	\$ 29,277.40		\$ 0.24
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	\$ 29,173.27	\$ 1,881.70	5.14%	\$ 124.96	\$ 31,179.93		\$ 0.24
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	\$ 31,054.97	\$ 1,816.25	5.14%	\$ 133.02	\$ 33,004.24		\$ 0.24
2011 Q4	1.47%	4.29%	Dec-07	2007	Q4	\$ 32,871.22	\$ 1,876.11	5.14%	\$ 140.80	\$ 34,888.13	\$ 23,476.34	\$ 0.24
2012 Q1	1.47%	4.29%	Jan-08	2008	Q1	\$ 34,747.33	\$ 1,782.11	5.14%	\$ 148.83	\$ 36,678.27		\$ 0.24
2012 Q2	1.47%	4.29%	Feb-08	2008	Q1	\$ 36,529.44	\$ 1,814.00	5.14%	\$ 156.47	\$ 38,499.91		\$ 0.24
2012 Q3	1.47%	4.29%	Mar-08	2008	Q1	\$ 38,343.44	\$ 1,896.70	5.14%	\$ 164.24	\$ 40,404.38		\$ 0.24
2012 Q4	1.47%	4.29%	Apr-08	2008	Q2	\$ 40,240.14	\$ 1,935.17	4.08%	\$ 136.82	\$ 42,312.13		\$ 0.24
			May-08	2008	Q2	\$ 42,175.31	\$ 1,861.36	4.08%	\$ 143.40	\$ 44,180.07		\$ 0.24
			Jun-08	2008	Q2	\$ 44,036.67	\$ 1,896.38	4.08%	\$ 149.72	\$ 46,082.77		\$ 0.24
			Jul-08	2008	Q3	\$ 45,933.05	\$ 1,880.64	3.35%	\$ 128.23	\$ 47,941.92		\$ 0.24
			Aug-08	2008	Q3	\$ 47,813.69	\$ 1,827.37	3.35%	\$ 133.48	\$ 49,774.54		\$ 0.24
			Sep-08	2008	Q3	\$ 49,641.06	\$ 1,897.87	3.35%	\$ 138.58	\$ 51,677.51		\$ 0.24
			Oct-08	2008	Q4	\$ 51,538.93	\$ 1,897.74	3.35%	\$ 143.88	\$ 53,580.55		\$ 0.24
			Nov-08	2008	Q4	\$ 53,436.67	\$ 1,881.02	3.35%	\$ 149.18	\$ 55,466.87		\$ 0.24
			Dec-08	2008	Q4	\$ 55,317.69	\$ 1,776.07	3.35%	\$ 154.43	\$ 57,248.19	\$ 24,093.69	\$ 0.24
			Jan-09	2009	Q1	\$ 57,093.76	\$ 1,906.52	2.45%	\$ 116.57	\$ 59,116.85		\$ 0.24
			Feb-09	2009	Q1	\$ 59,000.28	\$ 1,800.94	2.45%	\$ 120.46	\$ 60,921.68		\$ 0.24
			Mar-09	2009	Q1	\$ 60,801.22	\$ 2,020.72	2.45%	\$ 124.14	\$ 62,946.08		\$ 0.24
			Apr-09	2009	Q2	\$ 62,821.94	\$ 1,938.46	1.00%	\$ 52.35	\$ 64,812.75		\$ 0.24
			May-09	2009	Q2	\$ 64,760.40	\$ 1,997.49	1.00%	\$ 53.97	\$ 66,811.86		\$ 1.00
			Jun-09	2009	Q2	\$ 66,757.89	\$ 6,383.54	1.00%	\$ 55.63	\$ 73,197.06		\$ 1.00
			Jul-09	2009	Q3	\$ 73,141.43	\$ 7,620.33	0.55%	\$ 33.52	\$ 80,795.28		\$ 1.00
			Aug-09	2009	Q3	\$ 80,761.76	\$ 8,081.18	0.55%	\$ 37.02	\$ 88,879.96		\$ 1.00
			Sep-09	2009	Q3	\$ 88,842.94	\$ 8,084.88	0.55%	\$ 40.72	\$ 96,968.54		\$ 1.00
			Oct-09	2009	Q4	\$ 96,927.82	\$ 8,165.08	0.55%	\$ 44.43	\$ 105,137.33		\$ 1.00
			Nov-09	2009	Q4	\$ 105,092.90	\$ 7,944.09	0.55%	\$ 48.17	\$ 113,085.16		\$ 1.00
			Dec-09	2009	Q4	\$ 113,036.99	\$ 7,643.26	0.55%	\$ 51.81	\$ 120,732.06	\$ 64,365.28	\$ 1.00
			Jan-10	2010	Q1	\$ 120,680.25	\$ 7,881.05	0.55%	\$ 55.31	\$ 128,616.61		\$ 1.00
			Feb-10	2010	Q1	\$ 128,561.30	\$ 7,769.07	0.55%	\$ 58.92	\$ 136,389.29		\$ 1.00
			Mar-10	2010	Q1	\$ 136,330.37	\$ 7,791.34	0.55%	\$ 62.48	\$ 144,184.19		\$ 1.00
			Apr-10	2010	Q2	\$ 144,121.71	\$ 7,811.34	0.55%	\$ 66.06	\$ 151,999.11		\$ 1.00
			May-10	2010	Q2	\$ 151,933.05	\$ 7,866.54	0.55%	\$ 69.64	\$ 159,869.23		\$ 1.00
			Jun-10	2010	Q2	\$ 159,799.59	\$ 8,056.46	0.55%	\$ 73.24	\$ 167,929.29		\$ 1.00
			Jul-10	2010	Q3	\$ 167,856.05	\$ 8,035.77	0.89%	\$ 124.49	\$ 176,016.31		\$ 1.00
			Aug-10	2010	Q3	\$ 175,891.82	\$ 8,169.23	0.89%	\$ 130.45	\$ 184,191.50		\$ 1.00
			Sep-10	2010	Q3	\$ 184,061.05	\$ 8,036.15	0.89%	\$ 136.51	\$ 192,233.71		\$ 1.00
			Oct-10	2010	Q4	\$ 192,097.20	\$ 8,044.97	1.20%	\$ 192.10	\$ 200,334.27		\$ 1.00
			Nov-10	2010	Q4	\$ 200,142.17	\$ 8,162.38	1.20%	\$ 200.14	\$ 208,504.69		\$ 1.00
			Dec-10	2010	Q4	\$ 208,304.55	\$ 7,573.00	1.20%	\$ 208.30	\$ 216,085.85	\$ 96,574.94	\$ 1.00
			Jan-11	2011	Q1	\$ 215,877.55	\$ 7,957.44	1.47%	\$ 264.45	\$ 224,099.44		\$ 1.00
			Feb-11	2011	Q1	\$ 223,834.99	\$ 7,803.05	1.47%	\$ 274.20	\$ 231,912.24		\$ 1.00
			Mar-11	2011	Q1	\$ 231,638.04	\$ 10,260.14	1.47%	\$ 283.76	\$ 242,181.94		\$ 1.00
			Apr-11	2011	Q2	\$ 241,898.18	\$ 5,560.26	1.47%	\$ 296.33	\$ 247,754.77		\$ 1.00
			May-11	2011	Q2	\$ 247,458.44	\$ 7,771.99	1.47%	\$ 303.14	\$ 255,533.57		\$ 1.00
			Jun-11	2011	Q2	\$ 255,230.43	\$ 8,529.24	1.47%	\$ 312.66	\$ 264,072.33		\$ 1.00
			Jul-11	2011	Q3	\$ 263,759.67	\$ 8,029.69	1.47%	\$ 323.11	\$ 272,112.47		\$ 1.00
			Aug-11	2011	Q3	\$ 271,789.36	\$ 8,586.46	1.47%	\$ 332.94	\$ 280,708.76		\$ 1.00
			Sep-11	2011	Q3	\$ 280,375.82	\$ 8,000.00	1.47%	\$ 343.46	\$ 288,719.28		\$ 1.00
			Oct-11	2011	Q4	\$ 288,375.82	\$ 8,000.00	1.47%	\$ 353.26	\$ 296,729.08		\$ 1.00
			Nov-11	2011	Q4	\$ 296,375.82	\$ 8,000.00	1.47%	\$ 363.06	\$ 304,738.88		\$ 1.00
			Dec-11	2011	Q4	\$ 304,375.82	\$ 8,000.00	1.47%	\$ 372.86	\$ 312,748.68	\$ 100,321.50	\$ 1.00
			Jan-12	2012	Q1	\$ 312,375.82	\$ 8,000.00	1.47%	\$ 382.66	\$ 320,758.48		\$ 1.00
			Feb-12	2012	Q1	\$ 320,375.82	\$ 8,000.00	1.47%	\$ 392.46	\$ 328,768.28		\$ 1.00



This worksheet calculates the funding adder revenues.

Account 1555 - Sub-account Funding Adder Revenues

Interest Rates	Approved Deferral and Variance Accounts	CWIP				Opening Balance	Funding Adder	Interest				Board Approved Smart
			Date	Year	Quarter	(Principal)	Revenues	Rate	Interest	Closing Balance	Annual amounts	Meter Funding Adder (from Tariff)
			Mar-12	2012	Q1	\$ 328,375.82	\$ 8,000.00	1.47%	\$ 402.26	\$ 336,778.08		\$ 1.00
			Apr-12	2012	Q2	\$ 336,375.82	\$ 8,000.00	1.47%	\$ 412.06	\$ 344,787.88		\$ 1.00
			May-12	2012	Q2	\$ 344,375.82		1.47%	\$ 421.86	\$ 344,797.68		
			Jun-12	2012	Q2	\$ 344,375.82		1.47%	\$ 421.86	\$ 344,797.68		
			Jul-12	2012	Q3	\$ 344,375.82		1.47%	\$ 421.86	\$ 344,797.68		
			Aug-12	2012	Q3	\$ 344,375.82		1.47%	\$ 421.86	\$ 344,797.68		
			Sep-12	2012	Q3	\$ 344,375.82		1.47%	\$ 421.86	\$ 344,797.68		
			Oct-12	2012	Q4	\$ 344,375.82		1.47%	\$ 421.86	\$ 344,797.68		
			Nov-12	2012	Q4	\$ 344,375.82		1.47%	\$ 421.86	\$ 344,797.68		
			Dec-12	2012	Q4	\$ 344,375.82		1.47%	\$ 421.86	\$ 344,797.68	\$ 36,964.32	
Total Funding Adder Revenues Collected						\$ 344,375.82			\$ 13,911.34	\$ 358,287.16	\$ 358,287.16	



Ontario Energy Board

Smart Meter Model

Niagara-on-the-Lake Hydro Inc.

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	\$ -	\$ 81.17	\$ 81.17	\$ 40.58	4.37%	\$ 1.77
2007	\$ -	\$ 900.59	\$ 981.75	\$ 531.46	4.73%	\$ 25.12
2008	\$ -	\$ 3,684.85	\$ 4,666.60	\$ 2,824.18	3.98%	\$ 112.40
2009	\$ 3,811.29	\$ 21,819.07	\$ 30,296.96	\$ 17,481.78	1.14%	\$ 198.86
2010	\$ 48,597.77	\$ 80,970.92	\$ 159,865.65	\$ 95,081.31	0.80%	\$ 758.27
2011	\$ 73,213.91	\$ 138,401.00	\$ 371,480.56	\$ 265,673.11	1.47%	\$ 3,905.39
2012	\$ 39,667.19	\$ 155,787.60	\$ 566,935.35	\$ 469,207.95	1.47%	\$ 6,897.36
Cumulative Interest to 2011						\$ 5,001.82
Cumulative Interest to 2012						\$ 11,899.18



Ontario Energy Board

Smart Meter Model

Niagara-on-the-Lake Hydro Inc.

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)
- ☒ Smart Meter Incremental Revenue Requirement Rate Rider (SMIRR)

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

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 and later	Total
Deferred and forecasted Smart Meter Incremental Revenue Requirement (from Sheet 5)	\$ 200.80	\$ 2,198.68	\$ 8,703.61	\$ 52,429.99	\$ 193,682.71	\$ 307,029.81	\$ 306,874.66	\$ 871,120.27
Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check one of the boxes below)	\$ 1.77	\$ 25.12	\$ 112.40	\$ 198.86	\$ 758.27	\$ 3,905.39		\$ 5,001.82
☐ Sheet 8A (Interest calculated on monthly balances)								\$ -
☒ Sheet 8B (Interest calculated on average annual balances)	\$ 1.77	\$ 25.12	\$ 112.40	\$ 198.86	\$ 758.27	\$ 3,905.39		\$ 5,001.82
SMFA Revenues (from Sheet 8)	\$ 12,350.08	\$ 22,397.25	\$ 22,346.43	\$ 63,586.49	\$ 95,197.30	\$ 96,498.27	\$ 32,000.00	\$ 344,375.82
SMFA Interest (from Sheet 8)	\$ 141.01	\$ 1,079.09	\$ 1,747.26	\$ 778.79	\$ 1,377.64	\$ 3,823.23	\$ 4,964.32	\$ 13,911.34
Net Deferred Revenue Requirement	-\$ 12,288.52	-\$ 21,252.53	-\$ 15,277.68	-\$ 11,736.44	\$ 97,866.05	\$ 210,613.71	\$ 269,910.34	\$ 517,834.93
Number of Metered Customers (average for 2012 test year)							8078	

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

Years for collection or refunding	2
Deferred Incremental Revenue Requirement from 2006 to December 31, 2011 plus Interest on OM&A and Amortization	\$ 569,247.43
SMFA Revenues collected from 2006 to 2012 test year (inclusive) Plus Simple Interest on SMFA Revenues	\$ 358,287.16
Net Deferred Revenue Requirement	\$ 210,960.27
SMDR May 1, 2012 to April 30, 2014	\$ 1.09
Check: Forecasted SMDR Revenues	\$ 211,320.48

Match

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

Incremental Revenue Requirement for 2012	\$ 306,874.66
SMIRR	\$ 3.17
Check: Forecasted SMIRR Revenues	\$ 307,287.12

Match

Addendum 9 Amended

Summary of Smart Meter Costs by Vendor

	A	B	K	N	O	P	Q	R	S	T	U	V	W
1					VENDORS								
2		Smart Meter Capital Cost and Operational Expense Data	FROM TOTALS IN OEB MODEL	INTERNAL COSTS	Elster	KTI	AWD (Advanced Wireless Data)	General Electric	Jesstec	Olameter	American Casting	Max Tower	Ekstrom
3				Labour and truck costs. Meter reading savings (2012)	Meters	Meters; bluetooth handheld; collector	Collector	Meters	Ring meter seals	Mass meter installer; transceiver	Meter seals	Radio tower	Socket kits; meter rings
4	1	Capital Costs											
5	1.1	ADVANCED METERING COMMUNICATION DEVICE (AMCD)											
6	1.1.1	Smart meters	\$ 881,536.30	\$ 3,159	\$ 44,593	\$ 822,305	\$ -	\$ 11,480	\$ -	\$ -	0	0	0
7	1.1.2	Installation costs	\$ 265,302.59	\$ 159,783	-	\$ 203	\$ -	0	0	\$ 80,485	\$ -	0	\$ 9,505
8	1.1.3a	Workforce Automation Hardware	\$ 611.24	0	0	\$ 611	\$ -	0	0	0	0	0	0
9		Subtotal	\$ 1,147,450.13	\$ 162,942	\$ 44,593	\$ 823,119	\$ -	\$ 11,480	\$ -	\$ 80,485	\$ -	\$ -	\$ 9,505
10	1.2	ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)											
11	1.2.1	Collectors	\$ 158,702.55	0	0	\$ 135,277	\$ -	0	0	0	0	\$ 23,426	\$ -
12	1.2.3	Installation	\$ 59,892.78	\$ 20,285	0	\$ -	\$ 2,481	\$ -	\$ 22,963	0	\$ 3,190	0	\$ 10,808
13		Subtotal	\$ 218,595.33	\$ 20,285	\$ -	\$ 135,277	\$ 2,481	\$ -	\$ 22,963	\$ -	\$ 3,190	\$ 23,426	\$ 10,808
14	1.3	ADVANCED METERING CONTROL COMPUTER (AMCC)											
15	1.3.3	Software licenses and installation	\$ -	0	0	0	0	0	0	0	0	0	0
16		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	1.5	OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY											
18	1.5.1	Customer equipment	\$ 3,224.54	0	0	0	0	0	0	0	0	0	0
19	1.5.2	AMI interface to CIS	\$ 10,400.00	0	0	0	0	0	0	0	0	0	0
20	1.5.3	Professional Fees	\$ 166,344.21	0	0	0	0	0	0	0	0	0	0
21	1.5.5	Program management	\$ 73,157.33	\$ 72,980	0	0	0	0	0	0	0	0	0
22		Subtotal	\$ 253,126.08	\$ 72,980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23	1.6	CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY											
24	1.6.3	TOU rate imp'n; CIS system upgrade; web presentment; MDMR integration	\$ 268,478.91	\$ 82,583	0	0	0	0	0	0	0	0	0
25		Subtotal	\$ 268,478.91	\$ 82,583	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		Total	\$ 1,887,650.45	\$ 338,789	\$ 44,593	\$ 958,395	\$ 2,481	\$ 11,480	\$ 22,963	\$ 80,485	\$ 3,190	\$ 23,426	\$ 20,313
27	2	OM&A Expenses											
28	2.3	ADVANCED METERING CONTROL COMPUTER (AMCC)											
29	2.3.2	Software maintenance	\$ 71,370.71	0	0	0	0	0	0	0	0	0	0
30		Subtotal	\$ 71,370.71	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31	2.5	OTHER AMI OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY											
32	2.5.2	Customer Communication	\$ 26,384.58	\$ 10,358	0	0	0	0	0	0	0	0	0
33	2.5.3	Program management	\$ 13,059.35	0	0	0	0	0	0	0	0	0	0
34	2.5.4	Change management	\$ -	\$ -	0	0	0	0	0	0	0	0	0
35	2.5.5	Administration costs	\$ 105.52	0	0	0	0	0	0	0	0	0	0
36	2.5.6	Other AMI expenses	\$ 8,637.50	0	0	0	0	0	0	0	0	0	0
37		Subtotal	\$ 48,186.95	\$ 10,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38	2.6	OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY											
39	2.6.3	Web presentment; ODS fees; sync operator; meter reading savings	\$ 45,732.50	\$ (33,420)	0	0	0	0	0	0	0	0	0
40		Subtotal	\$ 45,732.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		Total	\$ 165,290.16	\$ 23,062	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		Grand Total	\$ 2,052,940.61	\$ 315,728	\$ 44,593	\$ 958,395	\$ 2,481	\$ 11,480	\$ 22,963	\$ 80,485	\$ 3,190	\$ 23,426	\$ 20,313

	A	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1															
2		Smart Meter Capital Cost and Operational Expense Data	Green-Port	Guillevin	Tim Maxim	T's Electric	Vineland Growers	Young Utility Equipment	Kinetiq	Harris Northstar	Sensus	Iron Mountain	Utilassist/ UCS	Bell Canada	ITM
3			Disposal container rental	Ties and tape	Meter installation	Repairs	Trailer rental	Base adaptors	ODS set-up; meter fees, file processing	CIS upgrade; web presentment	TGB fees, base station service	Source code; Escrow account fees	Consulting; MDMR sync operator	Security Audit	MDMR set-up, meter loading, syncing, As2 hosting
4	1														
5	1.1	ADVANCED METERING COMMUNICATION DEVICE (AMCD)													
6	1.1.1	Smart meters	0	0	0	0	0	0	\$ -	0	0	0	0	0	0
7	1.1.2	Installation costs	\$ 1,750	\$ 332	\$ 3,893	\$ -	\$ 1,868	\$ 7,148	0	0	0	0	0	0	0
8	1.1.3a	Workforce Automation Hardware	0	0	0	0	0	0	0	0	0	0	0	0	0
9		Subtotal	\$ 1,750	\$ 332	\$ 3,893	\$ -	\$ 1,868	\$ 7,148	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	1.2	ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)													
11	1.2.1	Collectors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0	0	0	0	0	0	0
12	1.2.3	Installation	0	0	0	0	0	0	0	0	0	0	0	0	0
13		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	1.3	ADVANCED METERING CONTROL COMPUTER (AMCC)													
15	1.3.3	Software licenses and installation	0	0	0	0	0	0	\$ -	0	0	0	0	0	0
16		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	1.5	OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY													
18	1.5.1	Customer equipment	0	0	0	\$ 3,225	0	0	\$ -	\$ -	0	0	0	0	0
19	1.5.2	AMI interface to CIS	0	0	0	0	0	0	\$ 2,000	\$ 8,400	0	0	0	0	0
20	1.5.3	Professional Fees	0	0	0	0	0	0	0	\$ 10,906	0	\$ -	\$ 134,611	\$ -	\$ 6,877
21	1.5.5	Program management	0	0	0	0	0	0	0	0	0	0	0	0	0
22		Subtotal	\$ -	\$ -	\$ -	\$ 3,225	\$ -	\$ -	\$ 2,000	\$ 19,306	\$ -	\$ -	\$ 134,611	\$ -	\$ 6,877
23	1.6	CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY													
24	1.6.3	TOU rate imp'n; CIS system upgrade; web presentment; MDMR integration	0	0	0	0	0	0	0	\$ 185,896	0	0	0	0	0
25		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 185,896	\$ -	\$ -	\$ -	\$ -	\$ -
26		Total	\$ 1,750	\$ 332	\$ 3,893	\$ 3,225	\$ 1,868	\$ 7,148	\$ 2,000	\$ 205,202	\$ -	\$ -	\$ 134,611	\$ -	\$ 6,877
27	2	OM&A Expenses													
28	2.3	ADVANCED METERING CONTROL COMPUTER (AMCC)													
29	2.3.2	Software maintenance	0	0	0	0	0	0	0	0	\$ 71,215	\$ 156	\$ -	0	0
30		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 71,215	\$ 156	\$ -	\$ -	\$ -
31	2.5	OTHER AMI OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY													
32	2.5.2	Customer Communication	0	0	0	0	0	0	0	0	0	0	0	0	0
33	2.5.3	Program management	0	0	0	0	0	0	0	0	0	\$ -	\$ 999	\$ 12,061	0
34	2.5.4	Change management	0	0	0	0	0	0	0	0	0	\$ -	\$ -	0	0
35	2.5.5	Administration costs	0	0	0	0	0	0	0	0	\$ (844)	\$ 950	\$ -	0	0
36	2.5.6	Other AMI expenses	0	0	0	0	0	0	0	0	0	\$ -	\$ 8,638	\$ -	0
37		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 844	\$ 950	\$ 9,636	\$ 12,061	\$ -
38	2.6	OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY													
39	2.6.3	Web presentment; ODS fees; sync operator; meter reading savings	0	0	0	0	0	0	\$ 42,104	\$ 3,622	0	\$ -	\$ 28,663	\$ -	\$ 4,764
40		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,104	\$ 3,622	\$ -	\$ -	\$ 28,663	\$ -	\$ 4,764
41		Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,104	\$ 3,622	\$ 70,371	\$ 1,106	\$ 38,299	\$ 12,061	\$ 4,764
42		Grand Total	\$ 1,750	\$ 332	\$ 3,893	\$ 3,225	\$ 1,868	\$ 7,148	\$ 44,104	\$ 208,824	\$ 70,371	\$ 1,106	\$ 172,910	\$ 12,061	\$ 11,641

	A	B	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU
1													
2		Smart Meter Capital Cost and Operational Expense Data	Loud Advertising	Local newspapers	Minuteman	Palmese Photodesign	Scout Services	Shadow Graphic	NOTL Community Centre	Hydro Ottawa	Lancaster Brooks LLP	Auto Trim	Misc suppliers
3			Smart meter booklets	Smart meters and TOU info	Customer letter copying	Leave-behind material	TOU info on bill envelopes	TOU banner	Room rental	TOU video	Legal fees	Vehicle decals	Various small items
4	1	Capital Costs											
5	1.1	ADVANCED METERING COMMUNICATION DEVICE (AMCD)											
6	1.1.1	Smart meters	0	0	0	0	0	0	0	0	\$0.00	0	0
7	1.1.2	Installation costs	0	0	0	0	0	0	0	0	0	\$ 292	\$ 45
8	1.1.3a	Workforce Automation Hardware	0	0	0	0	0	0	0	0	0	0	0
9		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 292	\$ 45
10	1.2	ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)											
11	1.2.1	Collectors	0	0	0	0	0	0	0	0	0	0	0
12	1.2.3	Installation	0	0	0	0	0	0	0	0	0	0	\$ 166
13		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 166
14	1.3	ADVANCED METERING CONTROL COMPUTER (AMCC)											
15	1.3.3	Software licenses and installation	0	0	0	0	0	0	0	0	0	0	0
16		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	1.5	OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY											
18	1.5.1	Customer equipment	0	0	0	0	0	0	0	0	0	0	0
19	1.5.2	AMI interface to CIS	0	0	0	0	0	0	0	0	0	0	0
20	1.5.3	Professional Fees	\$ -	0	0	0	0	0	0	0	\$ 13,950	\$ -	\$ -
21	1.5.5	Program management	0	0	0	0	0	0	0	0	0	0	\$ 178
22		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,950	\$ -	\$ 178
23	1.6	CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY											
24	1.6.3	TOU rate imp'n; CIS system upgrade; web presentment; MDMR integration	0	0	0	0	0	0	0	0	0	0	0
25		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,950	\$ 292	\$ 389
27	2	OM&A Expenses											
28	2.3	ADVANCED METERING CONTROL COMPUTER (AMCC)											
29	2.3.2	Software maintenance	0	0	0	0	0	0	0	0	0	0	0
30		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31	2.5	OTHER AMI OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY											
32	2.5.2	Customer Communication	\$ 2,430	\$ 3,566	\$ 1,094	\$ 5,735	\$ 1,344	\$ 1,327	\$ 180	\$ 350	\$ -	\$ -	0
33	2.5.3	Program management	0	0	0	0	0	0	0	0	0	0	0
34	2.5.4	Change management	0	0	0	0	0	0	0	0	0	0	0
35	2.5.5	Administration costs	0	0	0	0	0	0	0	0	0	0	0
36	2.5.6	Other AMI expenses	0	0	0	0	0	0	0	0	0	0	0
37		Subtotal	\$ 2,430	\$ 3,566	\$ 1,094	\$ 5,735	\$ 1,344	\$ 1,327	\$ 180	\$ 350	\$ -	\$ -	\$ -
38	2.6	OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY											
39	2.6.3	Web presentment; ODS fees; sync operator; meter reading savings	\$ -	0	0	0	0	0	0	0	0	0	0
40		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		Total	\$ 2,430	\$ 3,566	\$ 1,094	\$ 5,735	\$ 1,344	\$ 1,327	\$ 180	\$ 350	\$ -	\$ -	\$ -
42		Grand Total	\$ 2,430	\$ 3,566	\$ 1,094	\$ 5,735	\$ 1,344	\$ 1,327	\$ 180	\$ 350	\$ 13,950	\$ 292	\$ 389