



Hydro Hawkesbury Inc.
850 Tupper Street
Hawkesbury, ON
K6A 3S7

November 2, 2012

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

Re: Smart Meter Prudence Review EB-2012-0198

Dear Ms. Walli:

Please find attached Hydro Hawkesbury Inc. Draft Rate Oder.

If there are any questions please do not hesitate to contact the undersigned at 613-632-6689.

Michel Poulin
Manager



Draft Rate Order

Hydro Hawkesbury Inc. ("HHI"), a licensed distributor of electricity, filed an application (the "Application") with the Ontario Energy Board (the "Board") on July 16, 2012 under section 78 of the Ontario Energy Board Act, 1998, S.O. 1998, c. 15, (Schedule B), seeking approval for changes to the rates that HHI charges for electricity distribution.

HHI was seeking Board approval for the disposition and recovery of costs related to smart meter deployment, offset by Smart Meter Funding Adder ("SMFA") revenues collected from May 1, 2006 to April 30, 2012. HHI requested approval of proposed Smart Meter Disposition Riders ("SMDRs") and Smart Meter Incremental Revenue Requirement Rate Riders ("SMIRRs").

The Board issued its Decision and Order on November 1, 2012. The Board approves HHI's methodology and the resulting class-specific SMDRs and SMIRRs as calculated in response to Board staff interrogatory # 8.

HHI had requested an effective date of September 1, 2012 for its new rates. The Board determined that an implementation date of November 1, 2012 is appropriate given the filing date and the time required to process an application of this nature. In developing its draft Rate Order, HHI was directed to establish the SMDRs based on an 18-month recovery period to April 30, 2014 and to accommodate within the SMDR the applicable revenue requirement amount related to the period from May 1, 2012 to October 31, 2012.

The SMIRRs shall be effective and implemented on November 1, 2012. The Board noted that these riders are based on an annual revenue requirement and will be in effect until the effective date of HHI's next cost of service rate order. As HHI is scheduled to rebase its rates for 2014, the Board noted that the SMIRR may be in effect from November 1, 2012 until April 30, 2014.



Table 1: Proposed Rate Riders

Rate Class	SMDR	SMIRR
	18 Month Recovery November 1, 2012 to April 30, 2014	
Residential	(\$1.35)	\$1.39
General Service Less than 50 kW	(\$0.09)	\$2.46

Table 2: Calculated Bill Impacts

Rate Class	Delivery \$	Delivery %	Total Bill \$	Total Bill %
Residential	\$ 0.04	0.03%	\$ 0.04	0.03%
GS Less Than 50 kW	\$ 2.37	0.93%	\$ 2.68	0.74%

The Board Decision and Order directed HHI to file detailed supporting material, including all relevant calculations showing the impact of this Decision and Order on HHI's class specific smart meter revenue requirements and the determination of the updated SMDRs and SMIRRs. HHI has complied with the Boards direction. Please find attached the following:

Attachment 1: Proposed Tariff of Rates and Charges

Attachment 2: Bill Impact Calculation

Attachment 1: Draft Rate Order Smart Meter Model



File Number:EB-2012-0198

Tab: 1
Schedule: 1

Date Filed:November 2, 2012

Attachment 1 of 3

Proposed Tariff of Rates and Charges

Hydro Hawkesbury Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date November 1, 2012

**This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors**

EB-2012-0198

RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to customers residing in residential dwelling units. Energy is generally supplied as single phase, 3-wire, 60-Hertz, having nominal voltage of 120/240 Volts and up to 400 amps. There shall be only one delivery point to a dwelling. The Basic Connection for Residential consumers is defined as 100 amp 120/240 volt overhead service. A Residential building is supplied at one service voltage per land parcel. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.95
Rate Rider for Disposition of Residual Historical Smart Meter Costs – effective until April 30, 2014	\$	(1.35)
Rate Rider for Smart Meter Incremental Revenue Requirement – in effect until the effective date of the next cost of service-based rate order	\$	1.39
Distribution Volumetric Rate	\$/kWh	0.0080
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Global Adjustment Sub-Account Disposition (2011) – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	0.0061
Rate Rider for Global Adjustment Sub-Account Disposition (2012) – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	0.0005
Rate Rider for Deferral/Variance Account Disposition (2011) – effective until April 30, 2013	\$/kWh	(0.0019)
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kWh	0.0008
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery – effective until April 30, 2013	\$/kWh	0.0006
Rate Rider for Recovery of Incremental Capital Costs – effective until April 30, 2014	\$/kWh	0.0024
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0065
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0031

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro Hawkesbury Inc.

TARIFF OF RATES AND CHARGES

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EB-2012-0198

GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to a non residential account whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW, and Town Houses and Condominiums that require centralized bulk metering. Further servicing details are available in the distributor's Conditions of Service

APPLICATION

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	13.75
Rate Rider for Disposition of Residual Historical Smart Meter Costs – effective until April 30, 2014	\$	(0.09)
Rate Rider for Smart Meter Incremental Revenue Requirement – in effect until the effective date of the next cost of service-based rate order	\$	2.46
Distribution Volumetric Rate	\$/kWh	0.0055
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Global Adjustment Sub-Account Disposition (2011) – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	0.0061
Rate Rider for Global Adjustment Sub-Account Disposition (2012) – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	0.0005
Rate Rider for Deferral/Variance Account Disposition (2011) – effective until April 30, 2013	\$/kWh	(0.0019)
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kWh	0.0008
Rate Rider for Recovery of Incremental Capital Costs – effective until April 30, 2014	\$/kWh	0.0017
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0027

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro Hawkesbury Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date November 1, 2012

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EB-2012-0198

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Note that for the application of the Retail Transmission Rate – Network Service Rate and the Retail Transmission Rate – Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 500 kW non-interval metered

General Service 50 to 500 kW interval metered

General Service greater than 500 to 5,000 kW interval metered.

Further servicing details are available in the distributor's Conditions of Service.

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	96.69
Distribution Volumetric Rate	\$/kW	1.5453
Low Voltage Service Rate	\$/kW	0.1369
Rate Rider for Global Adjustment Sub-Account Disposition (2011) – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kW	2.3001
Rate Rider for Global Adjustment Sub-Account Disposition (2012) – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kW	0.1893
Rate Rider for Deferral/Variance Account Disposition (2011) – effective until April 30, 2013	\$/kW	(0.7073)
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kW	0.3332
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery – effective until April 30, 2013	\$/kW	0.0073
Rate Rider for Tax Adjustments – effective until April 30, 2013	\$/kW	(0.0009)
Rate Rider for Recovery of Incremental Capital Costs – effective until April 30, 2014	\$/kW	0.3270
Retail Transmission Rate – Network Service Rate	\$/kW	2.4021
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1064

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per customer)	\$	6.35
Distribution Volumetric Rate	\$/kWh	0.0021
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Global Adjustment Sub-Account Disposition (2012) – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	0.0005
Rate Rider for Deferral/Variance Account Disposition (2011) – effective until April 30, 2013	\$/kWh	(0.0019)
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kWh	0.0009
Rate Rider for Recovery of Incremental Capital Costs – effective until April 30, 2014	\$/kWh	0.0006
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0027

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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EB-2012-0198

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to privately owned roadway lighting controlled by photo cells. Consumption is based on calculated connected load times the required lighting hours. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	1.62
Distribution Volumetric Rate	\$/kW	3.2067
Low Voltage Service Rate	\$/kW	0.2162
Rate Rider for Global Adjustment Sub-Account Disposition (2011) – effective until April 30, 2013 Applicable only for Non-RPP Customers	\$/kW	1.9676
Rate Rider for Global Adjustment Sub-Account Disposition (2012) – effective until April 30, 2013 Applicable only for Non-RPP Customers	\$/kW	0.1666
Rate Rider for Deferral/Variance Account Disposition (2011) – effective until April 30, 2013	\$/kW	(0.6243)
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kW	0.2589
Rate Rider for Tax Adjustments – effective until April 30, 2013	\$/kW	(0.0021)
Rate Rider for Recovery of Incremental Capital Costs – effective until April 30, 2014	\$/kW	0.7496
Retail Transmission Rate – Network Service Rate	\$/kW	1.8123
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.7464

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro Hawkesbury Inc.

TARIFF OF RATES AND CHARGES

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EB-2012-0198

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to municipal lighting, Ministry of Transportation operation controlled by photo cells. Consumption is as per OEB street lighting load shape. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	0.62
Distribution Volumetric Rate	\$/kW	6.7286
Low Voltage Service Rate	\$/kW	0.1059
Rate Rider for Global Adjustment Sub-Account Disposition (2011) – effective until April 30, 2013 Applicable only for Non-RPP Customers	\$/kW	2.3937
Rate Rider for Global Adjustment Sub-Account Disposition (2012) – effective until April 30, 2013 Applicable only for Non-RPP Customers	\$/kW	0.1780
Rate Rider for Deferral/Variance Account Disposition (2011) – effective until April 30, 2013	\$/kW	(0.7364)
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kW	0.2782
Rate Rider for Tax Adjustments – effective until April 30, 2013	\$/kW	(0.0045)
Rate Rider for Recovery of Incremental Capital Costs – effective until April 30, 2014	\$/kW	1.5987
Retail Transmission Rate – Network Service Rate	\$/kW	1.8117
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8553

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro Hawkesbury Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date November 1, 2012

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EB-2012-0198

microFIT GENERATOR SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Ontario Power Authority's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.25
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Hydro Hawkesbury Inc.

TARIFF OF RATES AND CHARGES

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EB-2012-0198

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for transformer losses – applied to measured demand and energy	%	(1.00)

SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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Customer Administration		
Arrears Certificate	\$	15.00
Statement of Account	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	20.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
Non-Payment of Account		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge – no disconnection	\$	15.00
Disconnect/Reconnect at meter – during regular hours	\$	30.00
Disconnect/Reconnect at meter – after regular hours	\$	130.00
Disconnect/Reconnect at pole - during regular hours	\$	100.00
Disconnect/Reconnect at pole – after regular hours	\$	300.00
Install/Remove load control device – during regular hours	\$	30.00
Install/Remove load control device – after regular hours	\$	130.00
Service call – after regular hours	\$	130.00
Temporary service install & remove – overhead – no transformer	\$	500.00
Temporary service install & remove – overhead – with transformer	\$	1,000.00
Specific charge for access to the power pole – per pole/year	\$	22.35

Hydro Hawkesbury Inc.

TARIFF OF RATES AND CHARGES

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EB-2012-0198

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0446
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0342



File Number:EB-2012-0198

Tab: 1
Schedule: 1

Date Filed:November 2, 2012

Attachment 2 of 3

Bill Impact Calculations

BILL IMPACT RESIDENTIAL CUSTOMERS							
Consumption	800	kWh	Loss 1.0446	Energy adjusted	836 kWh	33% IN EACH VOLUME SECTION	
Residential	Volume	Rate (\$)	Charge (\$)	Proposed SM riders	proposed SM charges	CHANGE	% of Total Bill
Energy Off-Peak	278.6666667	0.065	\$ 18.11		18.11	0.00	13.68%
Energy Mid-peak	278.6666667	0.1	\$ 27.87		27.87	0.00	21.04%
Energy On-Peak	278.6666667	0.117	\$ 32.60		32.60	0.00	24.62%
TOTAL ENERGY			\$ 78.58		78.58	0.00	59%
Service Charge	1	5.95	\$ 5.95		5.95	0.00	4.49%
SMART METER DISPOSITION RIDER (SMDR) PER METERED CUSTOMER	1	0.00	\$ -	(1.35)	(1.35)	(1.35)	(1.02)%
SMART METER INCREMENTAL REVENUE RR (SMIRR) PER METERED CUSTOMER	1	0.00	\$ -	1.39	1.39	1.39	1.05%
Distribution Volumetric Rate	800	0.0080	\$ 6.39		6.39	0.00	4.82%
Low Voltage Volumetric Rate	800	0.0004	\$ 0.32		0.32	0.00	0.24%
D & V (2011)	800	(0.0019)	-\$ 1.52		(1.52)	0.00	(1.15)%
D & V (2012)	800	0.0008	\$ 0.64		0.64	0.00	0.48%
RR GA (2011)	800	0.0061	\$ 4.88		4.88	0.00	3.68%
RR GA (2012)	800	0.0005	\$ 0.40		0.40	0.00	0.30%
LRAM	800	0.0006	\$ 0.48		0.48	0.00	0.36%
ICM	800	0.0024	\$ 1.92		1.92	0.00	1.45%
Total: Distribution			19.46		19.50	0.04	15%
Retail Transmission Rate – Network Service Rate	835.68	0.0065	5.43		5.43	0.00	4.10%
Retail Transmission Rate – Line and Transformation Connection Service Rate	835.68	0.0031	2.59		2.59	0.00	1.96%
Total: Retail Transmission			8.02		8.02	0.00	6.06%
Sub-Total: Delivery (Distribution and Retail Transmission)			106.07		106.10	0.04	80.10%
Wholesale Market Service Rate	835.68	0.0052	4.35		4.35	0.00	3.28%
Rural Rate Protection Charge	835.68	0.0011	0.92		0.92	0.00	0.69%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25		0.25	0.00	0.19%
Sub-Total: Regulatory			5.51		5.51	0.00	4.16%
Debt Retirement Charge (DRC)	800.00	0.0070	5.60		5.60	0.00	4.23%
Total Bill before Taxes			117.18		117.22	0.04	88.50%
HST		13%	15.23		15.24	0.00	11.50%
Total Bill			132.41		132.46	0.04	100.00%

BILL IMPACT GENERAL <50KW							
Consumption	2,000 kWh	Loss 1.0446 Energy adjusted 2089 kWh 33% IN EACH VOLUME SECTION					
Residential	Volume	Rate (\$)	Charge (\$)	Proposed SM riders	proposed SM charges	CHANGE	% of Total Bill
Energy Off-Peak	696.33	0.065	\$ 45.26		\$ 45.26	0.00	14.11%
Energy Mid-peak	696.33	0.1	\$ 69.63		\$ 69.63	0.00	21.71%
Energy On-Peak	696.33	0.117	\$ 81.47		\$ 81.47	0.00	25.41%
TOTAL ENERGY			\$ 196.37		\$ 196.37	\$ -	61.23%
Service Charge	1	13.75	\$ 13.75		13.75	0.00	4.29%
SMART METER DISPOSITION RIDER (SMDR) PER METERED CUSTOMER	1	0.00	\$ -	(0.09)	(0.09)	(0.09)	(0.03)%
SMART METER INCREMENTAL REVENUE RR (SMIRR) PER METERED CUSTOMER	1	0.00	\$ -	2.46	2.46	2.46	0.77%
Distribution Volumetric Rate	2,000	0.0055	\$ 11.00		11.00	0.00	3.43%
Low Voltage Volumetric Rate	2,000	0.0004	\$ 0.80		0.80	0.00	0.25%
D & V (2011)	2,000	(0.0019)	-\$ 3.81		(3.81)	0.00	(1.19)%
D & V (2012)	2,000	0.0008	\$ 1.60		1.60	0.00	0.50%
RR GA (2011)	2,000	0.0061	\$ 12.20		12.20	0.00	3.80%
RR GA (2012)	2,000	0.0005	\$ 1.00		1.00	0.00	0.31%
ICM	2,000	0.0017	\$ 3.40		3.40	0.00	1.06%
Total: Distribution			39.94		42.31	2.37	13.20%
Retail Transmission Rate – Network Service Rate	2,089.00	0.0059	12.33		12.33	0.00	3.84%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,089.00	0.0027	5.64		5.64	0.00	1.76%
Total: Retail Transmission			17.97		17.97	0.00	5.60%
Sub-Total: Delivery (Distribution and Retail Transmission)			254.27		256.64	2.37	80.03%
Wholesale Market Service Rate	2,089.00	0.0052	10.86		10.86	0.00	3.39%
Rural Rate Protection Charge	2,089.00	0.0011	2.30		2.30	0.00	0.72%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25		0.25	0.00	0.08%
Sub-Total: Regulatory			13.41		13.41	0.00	4.18%
Debt Retirement Charge (DRC)	2,000.00	0.0070	14.00		14.00	0.00	4.37%
Total Bill before Taxes			281.69		284.06	2.37	88.58%
HST		13%	36.62		36.62	0.31	11.42%
Total Bill			318.30		320.67	2.68	100.00%



File Number:EB-2012-0198

Tab: 1
Schedule: 1

Date Filed:November 2, 2012

Attachment 3 of 3

Smart Meter Model for Draft Rate Order



Ontario Energy Board

Smart Meter Model

Choose Your Utility:

Festival Hydro Inc. - Hensall
 Fort Albany Power Corporation
 Fort Frances Power Corporation

Application Contact Information

Name: Michel Poulin

Title: Manager

Phone Number: 613-632-6689

Email Address: michelpoulin@hydrohawkesbury.ca

We are applying for rates effective: May 1, 2012

Last COS Re-based Year 2010

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.

Hydro Hawkesbury 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.

		2006	2007	2008	2009	2010	2011	2012 and later	Total
Smart Meter Capital Cost and Operational Expense Data		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
Smart Meter Installation Plan									
Actual/Planned number of Smart Meters installed during the Calendar Year									
Residential		0	0	0	1,489	3,314	0		4803
General Service < 50 kW		0	0	0	0	171	407		578
Actual/Planned number of Smart Meters installed (Residential and GS < 50 kW only)		0	0	0	1489	3485	407	0	5381
Percentage of Residential and GS < 50 kW Smart Meter Installations Completed		0.00%	0.00%	0.00%	27.67%	92.44%	100.00%	0.00%	100.00%
Actual/Planned number of GS > 50 kW meters installed		0	0	0	0	0	0		0
Other (please identify)		0	0	0	0	0	0		0
Total Number of Smart Meters installed or planned to be installed		0	0	0	1489	3485	407	0	5381
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	\$ 568,701
1.1.2 Installation Costs (may include socket kits, labour, vehicle, benefits, etc.)	Smart Meter						12,334		\$ 12,334
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)		\$ -	\$ -	\$ -	\$ 170,914	\$ 295,356	\$ 114,765	\$ -	\$ 581,035
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	\$ 13,205
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					1,534			\$ 1,534
Total Advanced Metering Regional Collector (AMRC) (Includes LAN)		\$ -	\$ -	\$ -	\$ 6,889	\$ 7,850	\$ -	\$ -	\$ 14,739
1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)									
		Asset Type							
1.3.1 Computer Hardware									\$ -
1.3.2 Computer Software	Computer Software						7,520		\$ 7,520
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)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,520	\$ -	\$ 7,520
1.4 WIDE AREA NETWORK (WAN)									
		Asset Type							
1.4.1 Activation Fees									\$ -
Total Wide Area Network (WAN)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2.5.3 Program Management							\$	-
2.5.4 Change Management (may include training, etc.)				440			\$	440
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	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 4,340</u>	<u>\$ 3,283</u>	<u>\$ 958</u>	<u>\$ 8,581</u>
TOTAL OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,243</u>	<u>\$ 3,700</u>	<u>\$ 958</u>	<u>\$ 9,900</u>
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>	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual		
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.						5,000	\$	5,000
Total OM&A Costs Beyond Minimum Functionality	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,000</u>	<u>\$ 5,000</u>
Total Smart Meter OM&A Costs	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,243</u>	<u>\$ 3,700</u>	<u>\$ 5,958</u>	<u>\$ 14,900</u>

3 Aggregate Smart Meter Costs by Category

3.1	Capital								
3.1.1	Smart Meter	\$ -	\$ -	\$ -	\$ 181,681	\$ 305,371	\$ 114,765	\$ -	\$ 601,816
3.1.2	Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.1.3	Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,520	\$ -	\$ 10,520
3.1.4	Tools & Equipment	\$ -	\$ -	\$ -	\$ 272	\$ 1,443	\$ 459	\$ -	\$ 2,173
3.1.5	Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.1.6	Applications Software	\$ -	\$ -	\$ -	\$ -	\$ 1,030	\$ 30,000	\$ -	\$ 31,030
3.1.7	Total Capital Costs	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 181,952</u>	<u>\$ 307,843</u>	<u>\$ 155,743</u>	<u>\$ -</u>	<u>\$ 645,539</u>
3.2	OM&A Costs								
3.2.1	Total OM&A Costs	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,243</u>	<u>\$ 3,700</u>	<u>\$ 5,958</u>	<u>\$ 14,900</u>



Hydro Hawkesbury Inc.

	2006	2007	2008	2009	2010	2011	2012 and later
Cost of Capital							
Capital Structure¹							
Deemed Short-term Debt Capitalization			0.0%	0.0%	4.0%	4.0%	4.0%
Deemed Long-term Debt Capitalization	50.0%	50.0%	53.3%	56.7%	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							
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%	0.00%	1.33%	1.33%	1.33%
Long-term Debt Rate (actual/embedded/deemed) ²	6.25%	6.25%	6.25%	6.25%	7.62%	7.62%	7.62%
Target Return on Equity (ROE)	9.0%	9.00%	9.00%	9.00%	8.01%	8.01%	8.01%
Return on Preferred Shares							
WACC	7.63%	7.63%	7.53%	7.44%	7.52%	7.52%	7.52%
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	18.62%	18.62%	16.50%	16.50%	16.00%	15.50%	15.50%
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	10	10	10	10	10	10	10
- rate (%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
CCA Rates							
Smart Meters - CCA Class	1	47	47	47	47	47	47
Smart Meters - CCA Rate	4%	8%	8%	8%	8%	8%	8%
Computer Equipment - CCA Class	45	50	50	52	52	50	50
Computer Equipment - CCA Rate	45%	55%	55%	100%	100%	55%	55%
General Equipment - CCA Class	8	8	8	8	8	8	8
General Equipment - CCA Rate	20%	20%	20%	20%	20%	20%	20%
Applications Software - CCA Class	12	12	12	12	12	12	12
Applications Software - CCA Rate	100%	100%	100%	100%	100%	100%	100%

Assumptions¹ 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

Hydro Hawkesbury Inc.

	2006	2007	2008	2009	2010	2011	2012 and later
Net Fixed Assets - Smart Meters							
Gross Book Value							
Opening Balance		\$ -	\$ -	\$ -	\$ 181,681	\$ 487,052	\$ 601,816
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 181,681	\$ 305,371	\$ 114,765	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 181,681	\$ 487,052	\$ 601,816	\$ 601,816
Accumulated Depreciation							
Opening Balance		\$ -	\$ -	\$ -	-\$ 6,056	-\$ 28,347	-\$ 64,643
Amortization expense during year	\$ -	\$ -	\$ -	-\$ 6,056	-\$ 22,291	-\$ 36,296	-\$ 40,121
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	-\$ 6,056	-\$ 28,347	-\$ 64,643	-\$ 104,764
Net Book Value							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 175,625	\$ 458,704	\$ 537,174
Closing Balance	\$ -	\$ -	\$ -	\$ 175,625	\$ 458,704	\$ 537,174	\$ 497,053
Average Net Book Value	\$ -	\$ -	\$ -	\$ 87,812	\$ 317,164	\$ 497,939	\$ 517,113
Net Fixed Assets - Computer Hardware							
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 - Computer Software (including Applications Software)							
Gross Book Value							
Opening Balance		\$ -	\$ -	\$ -	\$ -	\$ 1,030	\$ 41,549
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ -	\$ 1,030	\$ 40,520	\$ -

Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ 1,030	\$ 41,549	\$ 41,549
Accumulated Depreciation							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 103	-\$ 4,361
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	-\$ 103	-\$ 4,258	-\$ 8,310
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ -	-\$ 103	-\$ 4,361	-\$ 12,671
Net Book Value							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 927	\$ 37,189
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ 927	\$ 37,189	\$ 28,879
Average Net Book Value	\$ -	\$ -	\$ -	\$ -	\$ 463	\$ 19,058	\$ 33,034
Net Fixed Assets - Tools and Equipment							
Gross Book Value							
Opening Balance		\$ -	\$ -	\$ -	\$ 272	\$ 1,715	\$ 2,173
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 272	\$ 1,443	\$ 459	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 272	\$ 1,715	\$ 2,173	\$ 2,173
Accumulated Depreciation							
Opening Balance	\$ -	\$ -	\$ -	\$ -	-\$ 14	-\$ 113	-\$ 307
Amortization expense during year	\$ -	\$ -	\$ -	-\$ 14	-\$ 99	-\$ 194	-\$ 217
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	-\$ 14	-\$ 113	-\$ 307	-\$ 525
Net Book Value							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 258	\$ 1,602	\$ 1,866
Closing Balance	\$ -	\$ -	\$ -	\$ 258	\$ 1,602	\$ 1,866	\$ 1,649
Average Net Book Value	\$ -	\$ -	\$ -	\$ 129	\$ 930	\$ 1,734	\$ 1,757
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Ontario Energy Board

Smart Meter Model

Hydro Hawkesbury Inc.

	2006	2007	2008	2009	2010	2011	2012 and Later
Average Net Fixed Asset Values (from Sheet 4)							
Smart Meters	\$ -	\$ -	\$ -	\$ 87,812	\$ 317,164	\$ 497,939	\$ 517,113
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ 463	\$ 19,058	\$ 33,034
Tools & Equipment	\$ -	\$ -	\$ -	\$ 129	\$ 930	\$ 1,734	\$ 1,757
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Net Fixed Assets	\$ -	\$ -	\$ -	\$ 87,941	\$ 318,558	\$ 518,730	\$ 551,904
Working Capital							
Operating Expenses (from Sheet 2)	\$ -	\$ -	\$ -	\$ -	\$ 5,243	\$ 3,700	\$ 5,958
Working Capital Factor (from Sheet 3)	15%	15%	15%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ -	\$ -	\$ -	\$ 786	\$ 555	\$ 894
Incremental Smart Meter Rate Base	\$ -	\$ -	\$ -	\$ 87,941	\$ 319,344	\$ 519,285	\$ 552,798
Return on Rate Base							
Capital Structure							
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 12,774	\$ 20,771	\$ 22,112
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ 49,863	\$ 178,833	\$ 290,800	\$ 309,567
Equity	\$ -	\$ -	\$ -	\$ 38,079	\$ 127,738	\$ 207,714	\$ 221,119
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capitalization	\$ -	\$ -	\$ -	\$ 87,941	\$ 319,344	\$ 519,285	\$ 552,798
Return on							
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 170	\$ 276	\$ 294
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ 3,116	\$ 13,627	\$ 22,159	\$ 23,589
Equity	\$ -	\$ -	\$ -	\$ 3,427	\$ 10,232	\$ 16,638	\$ 17,712
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Return on Capital	\$ -	\$ -	\$ -	\$ 6,543	\$ 24,029	\$ 39,073	\$ 41,595
Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ 5,243	\$ 3,700	\$ 5,958
Amortization Expenses (from Sheet 4)							
Smart Meters	\$ -	\$ -	\$ -	\$ 6,056	\$ 22,291	\$ 36,296	\$ 40,121
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ 103	\$ 4,258	\$ 8,310
Tools & Equipment	\$ -	\$ -	\$ -	\$ 14	\$ 99	\$ 194	\$ 217

Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Amortization Expense in Year	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 6,070</u>	<u>\$ 22,493</u>	<u>\$ 40,748</u>	<u>\$ 48,648</u>
Incremental Revenue Requirement before Taxes/PILs	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 12,613</u>	<u>\$ 51,765</u>	<u>\$ 83,521</u>	<u>\$ 96,201</u>
Calculation of Taxable Income							
Incremental Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ 5,243	\$ 3,700	\$ 5,958
Amortization Expense	\$ -	\$ -	\$ -	\$ 6,070	\$ 22,493	\$ 40,748	\$ 48,648
Interest Expense	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,116</u>	<u>\$ 13,797</u>	<u>\$ 22,435</u>	<u>\$ 23,883</u>
Net Income for Taxes/PILs	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,427</u>	<u>\$ 10,232</u>	<u>\$ 16,638</u>	<u>\$ 17,712</u>
Grossed-up Taxes/PILs (from Sheet 7)	\$ -	\$ -	\$ -	\$ 830.92	\$ 1,460.06	-\$ 412.09	\$ 851.75
Revenue Requirement, including Grossed-up Taxes/PILs	\$ -	\$ -	\$ -	\$ 13,444	\$ 53,225	\$ 83,109	\$ 97,052



Ontario Energy Board

Smart Meter Model

Hydro Hawkesbury Inc.

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 and later Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ 174,413.30	\$ 453,616.45	\$ 527,501.42
Capital Additions	\$ -	\$ -	\$ -	\$ 181,680.52	\$ 305,371.06	\$ 114,764.88	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 181,680.52	\$ 479,784.36	\$ 568,381.33	\$ 527,501.42
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ 90,840.26	\$ 152,685.53	\$ 57,382.44	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ 90,840.26	\$ 327,098.83	\$ 510,998.89	\$ 527,501.42
CCA Rate Class	1	47	47	47	47	47	47
CCA Rate	4%	8%	8%	8%	8%	8%	8%
CCA	\$ -	\$ -	\$ -	\$ 7,267.22	\$ 26,167.91	\$ 40,879.91	\$ 42,200.11
Closing UCC	\$ -	\$ -	\$ -	\$ 174,413.30	\$ 453,616.45	\$ 527,501.42	\$ 485,301.31

UCC - Computer Equipment

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 and later Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,626.86
Capital Additions Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,519.80	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,519.80	\$ 7,626.86
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,259.90	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,259.90	\$ 7,626.86
CCA Rate Class	45	50	50	52	52	50	50
CCA Rate	45%	55%	55%	100%	100%	55%	55%
CCA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,892.95	\$ 4,194.77
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,626.86	\$ 3,432.08

UCC - General Equipment

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 and later Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ 244.65	\$ 1,494.18	\$ 1,608.09
Capital Additions Tools & Equipment	\$ -	\$ -	\$ -	\$ 271.83	\$ 1,442.74	\$ 458.60	\$ -
Capital Additions Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 271.83	\$ 1,687.39	\$ 1,952.78	\$ 1,608.09
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ 135.92	\$ 721.37	\$ 229.30	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ 135.92	\$ 966.02	\$ 1,723.48	\$ 1,608.09
CCA Rate Class	8	8	8	8	8	8	8
CCA Rate	20%	20%	20%	20%	20%	20%	20%
CCA	\$ -	\$ -	\$ -	\$ 27.18	\$ 193.20	\$ 344.70	\$ 321.62
Closing UCC	\$ -	\$ -	\$ -	\$ 244.65	\$ 1,494.18	\$ 1,608.09	\$ 1,286.47

UCC - Applications Software

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 and later Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 514.80	\$ 15,000.00
Capital Additions Applications Software	\$ -	\$ -	\$ -	\$ -	\$ 1,029.60	\$ 30,000.00	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ 1,029.60	\$ 30,514.80	\$ 15,000.00
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ 514.80	\$ 15,000.00	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ 514.80	\$ 15,514.80	\$ 15,000.00
CCA Rate Class	12	12	12	12	12	12	12
CCA Rate	100%	100%	100%	100%	100%	100%	100%
CCA	\$ -	\$ -	\$ -	\$ -	\$ 514.80	\$ 15,514.80	\$ 15,000.00
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ 514.80	\$ 15,000.00	\$ -



Ontario Energy Board

Smart Meter Model

Hydro Hawkesbury 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	\$ -	\$ -	\$ -	\$ 3,427.08	\$ 10,231.79	\$ 16,637.91	\$ 17,711.64
Amortization	\$ -	\$ -	\$ -	\$ 6,069.61	\$ 22,493.35	\$ 40,747.89	\$ 48,648.29
CCA - Smart Meters	\$ -	\$ -	\$ -	\$ 7,267.22	\$ 26,167.91	\$ 40,879.91	\$ 42,200.11
CCA - Computers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,892.95	\$ 4,194.77
CCA - Applications Software	\$ -	\$ -	\$ -	\$ -	\$ 514.80	\$ 15,514.80	\$ 15,000.00
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ 27.18	\$ 193.20	\$ 344.70	\$ 321.62
Change in taxable income	\$ -	\$ -	\$ -	\$ 2,202.28	\$ 5,849.23	\$ 2,246.56	\$ 4,643.43
Tax Rate (from Sheet 3)	18.62%	18.62%	16.50%	16.50%	16.00%	15.50%	15.50%
Income Taxes Payable	\$ -	\$ -	\$ -	\$ 363.38	\$ 935.88	\$ 348.22	\$ 719.73
ONTARIO CAPITAL TAX							
Smart Meters	\$ -	\$ -	\$ -	\$ 175,624.50	\$ 458,704.49	\$ 537,173.77	\$ 497,052.67
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software (Including Application Software)	\$ -	\$ -	\$ -	\$ -	\$ 926.64	\$ 37,188.54	\$ 28,878.66
Tools & Equipment	\$ -	\$ -	\$ -	\$ 258.24	\$ 1,601.66	\$ 1,865.87	\$ 1,648.55
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Base	\$ -	\$ -	\$ -	\$ 175,882.74	\$ 461,232.79	\$ 576,228.18	\$ 527,579.89
Less: Exemption							
Deemed Taxable Capital	\$ -	\$ -	\$ -	\$ 175,882.74	\$ 461,232.79	\$ 576,228.18	\$ 527,579.89
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)	\$ -	\$ -	\$ -	\$ 395.74	\$ 345.92	\$ -	\$ -
Change in Income Taxes Payable	\$ -	\$ -	\$ -	\$ 363.38	\$ 935.88	\$ 348.22	\$ 719.73
Change in OCT	\$ -	\$ -	\$ -	\$ 395.74	\$ 345.92	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ 759.11	\$ 1,281.80	\$ 348.22	\$ 719.73

Gross Up PILs

Tax Rate		18.62%		18.62%		16.50%		16.50%		16.00%		15.50%		15.50%
Change in Income Taxes Payable	\$	-	\$	-	\$	-	\$	435.18	\$	1,114.14	-\$	412.09	\$	851.75
Change in OCT	\$	-	\$	-	\$	-	\$	395.74	\$	345.92	\$	-	\$	-
PILs	\$	-	\$	-	\$	-	\$	830.92	\$	1,460.06	-\$	412.09	\$	851.75



Ontario Energy Board

Smart Meter Model

Hydro Hawkesbury 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	\$ -	\$ 45.32	4.14%	\$ -	\$ 45.32		\$ 0.26
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	\$ 45.32	\$ 1,113.88	4.14%	\$ 0.16	\$ 1,159.36		\$ 0.26
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	\$ 1,159.20	\$ 158.73	4.59%	\$ 4.43	\$ 1,322.36		\$ 0.26
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	\$ 1,317.93	\$ 2,533.14	4.59%	\$ 5.04	\$ 3,856.11		\$ 0.26
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	\$ 3,851.07	\$ 169.02	4.59%	\$ 14.73	\$ 4,034.82		\$ 0.26
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	\$ 4,020.09	\$ 2,550.43	4.59%	\$ 15.38	\$ 6,585.90		\$ 0.26
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	\$ 6,570.52	\$ 187.50	4.59%	\$ 25.13	\$ 6,783.15		\$ 0.26
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	\$ 6,758.02	\$ 2,572.12	4.59%	\$ 25.85	\$ 9,355.99	\$ 9,420.86	\$ 0.26
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	\$ 9,330.14	\$ 191.55	4.59%	\$ 35.69	\$ 9,557.38		\$ 0.26
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	\$ 9,521.69	\$ 2,544.81	4.59%	\$ 36.42	\$ 12,102.92		\$ 0.26
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	\$ 12,066.50	\$ 163.87	4.59%	\$ 46.15	\$ 12,276.52		\$ 0.26
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	\$ 12,230.37	\$ 2,574.69	4.59%	\$ 46.78	\$ 14,851.84		\$ 0.26
2010 Q1	0.55%	4.34%	May-07	2007	Q2	\$ 14,805.06	\$ 181.19	4.59%	\$ 56.63	\$ 15,042.88		\$ 0.26
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	\$ 14,986.25	\$ 2,593.41	4.59%	\$ 57.32	\$ 17,636.98		\$ 0.26
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	\$ 17,579.66	\$ 183.05	4.59%	\$ 67.24	\$ 17,829.95		\$ 0.26
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	\$ 17,762.71	\$ 2,565.71	4.59%	\$ 67.94	\$ 20,396.36		\$ 0.26
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	\$ 20,328.42	\$ 169.19	4.59%	\$ 77.76	\$ 20,575.37		\$ 0.26
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	\$ 20,497.61	\$ 2,587.52	5.14%	\$ 87.80	\$ 23,172.93		\$ 0.26
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	\$ 23,085.13	\$ 190.78	5.14%	\$ 98.88	\$ 23,374.79		\$ 0.26
2011 Q4	1.47%	4.29%	Dec-07	2007	Q4	\$ 23,275.91	\$ 2,604.06	5.14%	\$ 99.70	\$ 25,979.67	\$ 17,328.14	\$ 0.26
2012 Q1	1.47%	4.29%	Jan-08	2008	Q1	\$ 25,879.97	\$ 173.68	5.14%	\$ 110.85	\$ 26,164.50		\$ 0.26
2012 Q2	1.47%	4.29%	Feb-08	2008	Q1	\$ 26,053.65	\$ 2,646.62	5.14%	\$ 111.60	\$ 28,811.87		\$ 0.26
2012 Q3	1.47%	4.29%	Mar-08	2008	Q1	\$ 28,700.27	\$ 162.33	5.14%	\$ 122.93	\$ 28,985.53		\$ 0.26
2012 Q4	1.47%	4.29%	Apr-08	2008	Q2	\$ 28,862.60	\$ 2,606.32	4.08%	\$ 98.13	\$ 31,567.05		\$ 0.26
			May-08	2008	Q2	\$ 31,468.92	\$ 153.81	4.08%	\$ 106.99	\$ 31,729.72		\$ 0.26
			Jun-08	2008	Q2	\$ 31,622.73	\$ 2,557.50	4.08%	\$ 107.52	\$ 34,287.75		\$ 0.26
			Jul-08	2008	Q3	\$ 34,180.23	\$ 193.74	3.35%	\$ 95.42	\$ 34,469.39		\$ 0.26
			Aug-08	2008	Q3	\$ 34,373.97	\$ 2,589.75	3.35%	\$ 95.96	\$ 37,059.68		\$ 0.26
			Sep-08	2008	Q3	\$ 36,963.72	\$ 178.68	3.35%	\$ 103.19	\$ 37,245.59		\$ 0.26
			Oct-08	2008	Q4	\$ 37,142.40	\$ 2,601.87	3.35%	\$ 103.69	\$ 39,847.96		\$ 0.26
			Nov-08	2008	Q4	\$ 39,744.27	\$ 183.81	3.35%	\$ 110.95	\$ 40,039.03		\$ 0.26
			Dec-08	2008	Q4	\$ 39,928.08	\$ 2,599.28	3.35%	\$ 111.47	\$ 42,638.83	\$ 17,926.09	\$ 0.26
			Jan-09	2009	Q1	\$ 42,527.36	\$ 168.12	2.45%	\$ 86.83	\$ 42,782.31		\$ 0.26
			Feb-09	2009	Q1	\$ 42,695.48	\$ 2,630.85	2.45%	\$ 87.17	\$ 45,413.50		\$ 0.26
			Mar-09	2009	Q1	\$ 45,326.33	\$ 165.36	2.45%	\$ 92.54	\$ 45,584.23		\$ 0.26
			Apr-09	2009	Q2	\$ 45,491.69	\$ 2,549.35	1.00%	\$ 37.91	\$ 48,078.95		\$ 0.26
			May-09	2009	Q2	\$ 48,041.04	\$ 237.84	1.00%	\$ 40.03	\$ 48,318.91		\$ 1.00
			Jun-09	2009	Q2	\$ 48,278.88	\$ 5,813.63	1.00%	\$ 40.23	\$ 54,132.74		\$ 1.00
			Jul-09	2009	Q3	\$ 54,092.51	\$ 690.77	0.55%	\$ 24.79	\$ 54,808.07		\$ 1.00
			Aug-09	2009	Q3	\$ 54,783.28	\$ 10,290.12	0.55%	\$ 25.11	\$ 65,098.51		\$ 1.00
			Sep-09	2009	Q3	\$ 65,073.40	\$ 723.47	0.55%	\$ 29.83	\$ 65,826.70		\$ 1.00
			Oct-09	2009	Q4	\$ 65,796.87	\$ 10,187.21	0.55%	\$ 30.16	\$ 76,014.24		\$ 1.00
			Nov-09	2009	Q4	\$ 75,984.08	\$ 744.63	0.55%	\$ 34.83	\$ 76,763.54		\$ 1.00
			Dec-09	2009	Q4	\$ 76,728.71	\$ 9,805.61	0.55%	\$ 35.17	\$ 86,569.49	\$ 44,571.56	\$ 1.00
			Jan-10	2010	Q1	\$ 86,534.32	\$ 762.26	0.55%	\$ 39.66	\$ 87,336.24		\$ 1.00
			Feb-10	2010	Q1	\$ 87,296.58	\$ 10,695.33	0.55%	\$ 40.01	\$ 98,031.92		\$ 1.00
			Mar-10	2010	Q1	\$ 97,991.91	\$ 684.31	0.55%	\$ 44.91	\$ 98,721.13		\$ 1.00
			Apr-10	2010	Q2	\$ 98,676.22	\$ 9,854.90	0.55%	\$ 45.23	\$ 108,576.35		\$ 1.00
			May-10	2010	Q2	\$ 108,531.12	\$ 714.50	0.55%	\$ 49.74	\$ 109,295.36		\$ 1.00
			Jun-10	2010	Q2	\$ 109,245.62	\$ 12,377.60	0.55%	\$ 50.07	\$ 121,673.29		\$ 1.00
			Jul-10	2010	Q3	\$ 121,623.22	\$ 1,150.33	0.89%	\$ 90.20	\$ 122,863.75		\$ 1.00
			Aug-10	2010	Q3	\$ 122,773.55	\$ 14,297.39	0.89%	\$ 91.06	\$ 137,162.00		\$ 1.00
			Sep-10	2010	Q3	\$ 137,070.94	\$ 1,030.17	0.89%	\$ 101.66	\$ 138,202.77		\$ 1.00
			Oct-10	2010	Q4	\$ 138,101.11	\$ 15,261.75	1.20%	\$ 138.10	\$ 153,500.96		\$ 1.00
			Nov-10	2010	Q4	\$ 153,362.86	\$ 1,056.77	1.20%	\$ 153.36	\$ 154,572.99		\$ 1.00
			Dec-10	2010	Q4	\$ 154,419.63	\$ 14,471.65	1.20%	\$ 154.42	\$ 169,045.70	\$ 83,355.38	\$ 1.00
			Jan-11	2011	Q1	\$ 168,891.28	\$ 1,154.74	1.47%	\$ 206.89	\$ 170,252.91		\$ 1.00
			Feb-11	2011	Q1	\$ 170,046.02	\$ 14,976.74	1.47%	\$ 208.31	\$ 185,231.07		\$ 1.00
			Mar-11	2011	Q1	\$ 185,022.76	\$ 933.05	1.47%	\$ 226.65	\$ 186,182.46		\$ 1.00
			Apr-11	2011	Q2	\$ 185,955.81	\$ 16,222.52	1.47%	\$ 227.80	\$ 202,406.13		\$ 1.00
			May-11	2011	Q2	\$ 202,178.33	\$ 1,024.68	1.47%	\$ 247.67	\$ 203,450.68		\$ 1.00
			Jun-11	2011	Q2	\$ 203,203.01	\$ 15,035.80	1.47%	\$ 248.92	\$ 218,487.73		\$ 1.45
			Jul-11	2011	Q3	\$ 218,238.81	\$ 1,069.95	1.47%	\$ 267.34	\$ 219,576.10		\$ 1.45
			Aug-11	2011	Q3	\$ 219,308.76	\$ 14,995.24	1.47%	\$ 268.65	\$ 234,572.65		\$ 1.45
			Sep-11	2011	Q3	\$ 234,304.00	\$ 1,084.22	1.47%	\$ 287.02	\$ 235,675.24		\$ 1.45
			Oct-11	2011	Q4	\$ 235,388.22	\$ 14,969.18	1.47%	\$ 288.35	\$ 250,645.75		\$ 1.45
			Nov-11	2011	Q4	\$ 250,357.40	\$ 8,171.76	1.47%	\$ 306.69	\$ 258,835.85		\$ 1.45
			Dec-11	2011	Q4	\$ 258,529.16	\$ 7,889.50	1.47%	\$ 316.70	\$ 266,735.36	\$ 100,628.37	\$ 1.45
			Jan-12	2012	Q1	\$ 266,418.66	\$ 8,444.34	1.47%	\$ 326.36	\$ 275,189.36		\$ 1.45
			Feb-12	2012	Q1	\$ 274,863.00	\$ 8,190.09	1.47%	\$ 336.71	\$ 283,389.80		\$ 1.45



Ontario Energy Board

Smart Meter Model



Hydro Hawkesbury Inc.

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				Annual amounts	Board Approved Smart Meter Funding Adder (from Tariff)
			Date	Year	Quarter	(Principal)	Revenues	Rate	Interest	Closing Balance			
			Mar-12	2012	Q1	\$ 283,053.09	\$ 7,655.47	1.47%	\$ 346.74	\$ 291,055.30			\$ 1.45
			Apr-12	2012	Q2	\$ 290,708.56	\$ 7,027.54	1.47%	\$ 356.12	\$ 298,092.22			\$ 1.45
			May-12	2012	Q2	\$ 297,736.10	\$ 8,325.31	1.47%	\$ 364.73	\$ 306,426.14			
			Jun-12	2012	Q2	\$ 306,061.41	\$ 742.01	1.47%	\$ 374.93	\$ 307,178.35			
			Jul-12	2012	Q3	\$ 306,803.42		1.47%	\$ 375.83	\$ 307,179.25			
			Aug-12	2012	Q3	\$ 306,803.42		1.47%	\$ 375.83	\$ 307,179.25			
			Sep-12	2012	Q3	\$ 306,803.42		1.47%	\$ 375.83	\$ 307,179.25			
			Oct-12	2012	Q4	\$ 306,803.42		1.47%	\$ 375.83	\$ 307,179.25			
			Nov-12	2012	Q4	\$ 306,803.42			\$ -	\$ 306,803.42			
			Dec-12	2012	Q4	\$ 306,803.42			\$ -	\$ 306,803.42	\$ 43,993.67		
Total Funding Adder Revenues Collected						\$ 306,803.42			\$ 10,420.65	\$ 317,224.07	\$ 317,224.07		





Ontario Energy Board

Smart Meter Model

Hydro Hawkesbury Inc.

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%	4.29%	Dec-07	2007	Q4	-			-	5.14%	-	-
2012 Q1	1.47%	4.29%	Jan-08	2008	Q1	-			-	5.14%	-	-
2012 Q2	1.47%	4.29%	Feb-08	2008	Q1	-			-	5.14%	-	-
2012 Q3	1.47%	4.29%	Mar-08	2008	Q1	-			-	5.14%	-	-
2012 Q4	1.47%	4.29%	Apr-08	2008	Q2	-			-	4.08%	-	-
			May-08	2008	Q2	-			-	4.08%	-	-
			Jun-08	2008	Q2	-			-	4.08%	-	-
			Jul-08	2008	Q3	-			-	3.35%	-	-
			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	-		\$ 505.80	505.80	2.45%	-	-
			Feb-09	2009	Q1	505.80		\$ 505.80	1,011.60	2.45%	1.03	1.03
			Mar-09	2009	Q1	1,011.60		\$ 505.80	1,517.40	2.45%	2.07	3.10
			Apr-09	2009	Q2	1,517.40		\$ 505.80	2,023.20	1.00%	1.26	4.36
			May-09	2009	Q2	2,023.20		\$ 505.80	2,529.00	1.00%	1.69	6.05
			Jun-09	2009	Q2	2,529.00		\$ 505.80	3,034.80	1.00%	2.11	8.16
			Jul-09	2009	Q3	3,034.80		\$ 505.80	3,540.61	0.55%	1.39	9.55
			Aug-09	2009	Q3	3,540.61		\$ 505.80	4,046.41	0.55%	1.62	11.17
			Sep-09	2009	Q3	4,046.41		\$ 505.80	4,552.21	0.55%	1.85	13.02
			Oct-09	2009	Q4	4,552.21		\$ 505.80	5,058.01	0.55%	2.09	15.11
			Nov-09	2009	Q4	5,058.01		\$ 505.80	5,563.81	0.55%	2.32	17.43
			Dec-09	2009	Q4	5,563.81		\$ 505.80	6,069.61	0.55%	2.55	19.98
			Jan-10	2010	Q1	6,069.61		\$ 1,874.45	7,944.05	0.55%	2.78	22.76
			Feb-10	2010	Q1	7,944.05		\$ 1,874.45	9,818.50	0.55%	3.64	26.40
			Mar-10	2010	Q1	9,818.50		\$ 1,874.45	11,692.95	0.55%	4.50	30.90
			Apr-10	2010	Q2	11,692.95		\$ 1,874.45	13,567.39	0.55%	5.36	36.26
			May-10	2010	Q2	13,567.39		\$ 1,874.45	15,441.84	0.55%	6.22	42.48
			Jun-10	2010	Q2	15,441.84		\$ 1,874.45	17,316.28	0.55%	7.08	49.56
			Jul-10	2010	Q3	17,316.28		\$ 1,874.45	19,190.73	0.89%	12.84	62.40
			Aug-10	2010	Q3	19,190.73		\$ 1,874.45	21,065.18	0.89%	14.23	76.63
			Sep-10	2010	Q3	21,065.18		\$ 1,874.45	22,939.62	0.89%	15.62	92.26
			Oct-10	2010	Q4	22,939.62		\$ 1,874.45	24,814.07	1.20%	22.94	115.20
			Nov-10	2010	Q4	24,814.07		\$ 1,874.45	26,688.51	1.20%	24.81	140.01
			Dec-10	2010	Q4	26,688.51	\$ 5,242.83	\$ 1,874.45	33,805.79	1.20%	26.69	166.70
			Jan-11	2011	Q1	33,805.79		\$ 3,395.66	37,201.45	1.47%	41.41	208.11
			Feb-11	2011	Q1	37,201.45		\$ 3,395.66	40,597.10	1.47%	45.57	253.68
			Mar-11	2011	Q1	40,597.10		\$ 3,395.66	43,992.76	1.47%	49.73	303.41
			Apr-11	2011	Q2	43,992.76		\$ 3,395.66	47,388.42	1.47%	53.89	357.31
			May-11	2011	Q2	47,388.42		\$ 3,395.66	50,784.08	1.47%	58.05	415.36
			Jun-11	2011	Q2	50,784.08		\$ 3,395.66	54,179.73	1.47%	62.21	477.57
			Jul-11	2011	Q3	54,179.73		\$ 3,395.66	57,575.39	1.47%	66.37	543.94

	Aug-11	2011	Q3	57,575.39		\$ 3,395.66	60,971.05	1.47%	70.53	614.47
	Sep-11	2011	Q3	60,971.05		\$ 3,395.66	64,366.71	1.47%	74.69	689.16
	Oct-11	2011	Q4	64,366.71		\$ 3,395.66	67,762.36	1.47%	78.85	768.01
	Nov-11	2011	Q4	67,762.36		\$ 3,395.66	71,158.02	1.47%	83.01	851.01
	Dec-11	2011	Q4	71,158.02	\$ 3,699.79	\$ 3,395.66	78,253.47	1.47%	87.17	938.18
	Jan-12	2012	Q1	78,253.47			78,253.47	1.47%	95.86	1,034.04
	Feb-12	2012	Q1	78,253.47			78,253.47	1.47%	95.86	1,129.90
	Mar-12	2012	Q1	78,253.47			78,253.47	1.47%	95.86	1,225.76
	Apr-12	2012	Q2	78,253.47			78,253.47	1.47%	95.86	1,321.62
	May-12	2012	Q2	78,253.47			78,253.47	1.47%	95.86	1,417.49
	Jun-12	2012	Q2	78,253.47			78,253.47	1.47%	95.86	1,513.35
	Jul-12	2012	Q3	78,253.47			78,253.47	1.47%	95.86	1,609.21
	Aug-12	2012	Q3	78,253.47			78,253.47	1.47%	95.86	1,705.07
	Sep-12	2012	Q3	78,253.47			78,253.47	1.47%	95.86	1,800.93
	Oct-12	2012	Q4	78,253.47			78,253.47	1.47%	95.86	1,896.79
	Nov-12	2012	Q4	78,253.47			78,253.47	0.00%	-	1,896.79
	Dec-12	2012	Q4	78,253.47			78,253.47	0.00%	-	1,896.79
				\$ 8,942.62	\$ 69,310.85	\$ 78,253.47				



Ontario Energy Board
Smart Meter Model

Hydro Hawkesbury 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	\$ -	\$ -	\$ -	\$ -	4.37%	\$ -
2007	\$ -	\$ -	\$ -	\$ -	4.73%	\$ -
2008	\$ -	\$ -	\$ -	\$ -	3.98%	\$ -
2009	\$ -	\$ 6,069.61	\$ 6,069.61	\$ 3,034.80	1.14%	\$ 34.52
2010	\$ 5,242.83	\$ 22,493.35	\$ 33,805.79	\$ 19,937.70	0.80%	\$ 159.00
2011	\$ 3,699.79	\$ 40,747.89	\$ 78,253.47	\$ 56,029.63	1.47%	\$ 823.64
2012	\$ 5,957.52	\$ 48,648.29	\$ 132,859.28	\$ 105,556.37	1.47%	\$ 1,551.68
Cumulative Interest to 2011						\$ 1,017.16
Cumulative Interest to 2012						\$ 2,568.84



Ontario Energy Board

Smart Meter Model



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)	\$ -	\$ -	\$ -	\$ 13,444.02	\$ 53,224.98	\$ 83,108.70	\$ 97,052.28	\$ 246,829.98
Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check one of the boxes below)	\$ -	\$ -	\$ -	\$ 19.98	\$ 146.72	\$ 771.48	\$ 958.60	\$ 1,896.79
<input checked="" type="checkbox"/> Sheet 8A (Interest calculated on monthly balances)	\$ -	\$ -	\$ -	\$ 19.98	\$ 146.72	\$ 771.48	\$ 958.60	\$ 1,896.79
<input type="checkbox"/> Sheet 8B (Interest calculated on average annual balances)								\$ -
SMFA Revenues (from Sheet 8)	\$ 9,330.14	\$ 16,549.83	\$ 16,647.39	\$ 44,006.96	\$ 82,356.96	\$ 97,527.38	\$ 40,384.76	\$ 306,803.42
SMFA Interest (from Sheet 8)	\$ 90.72	\$ 778.31	\$ 1,278.70	\$ 564.60	\$ 998.42	\$ 3,100.99	\$ 3,608.91	\$ 10,420.65
Net Deferred Revenue Requirement	-\$ 9,420.86	-\$ 17,328.14	-\$ 17,926.09	-\$ 31,107.56	-\$ 29,983.68	-\$ 16,748.18	\$ 54,017.21	-\$ 68,497.30
Number of Metered Customers (average for 2012 test year)							5530	

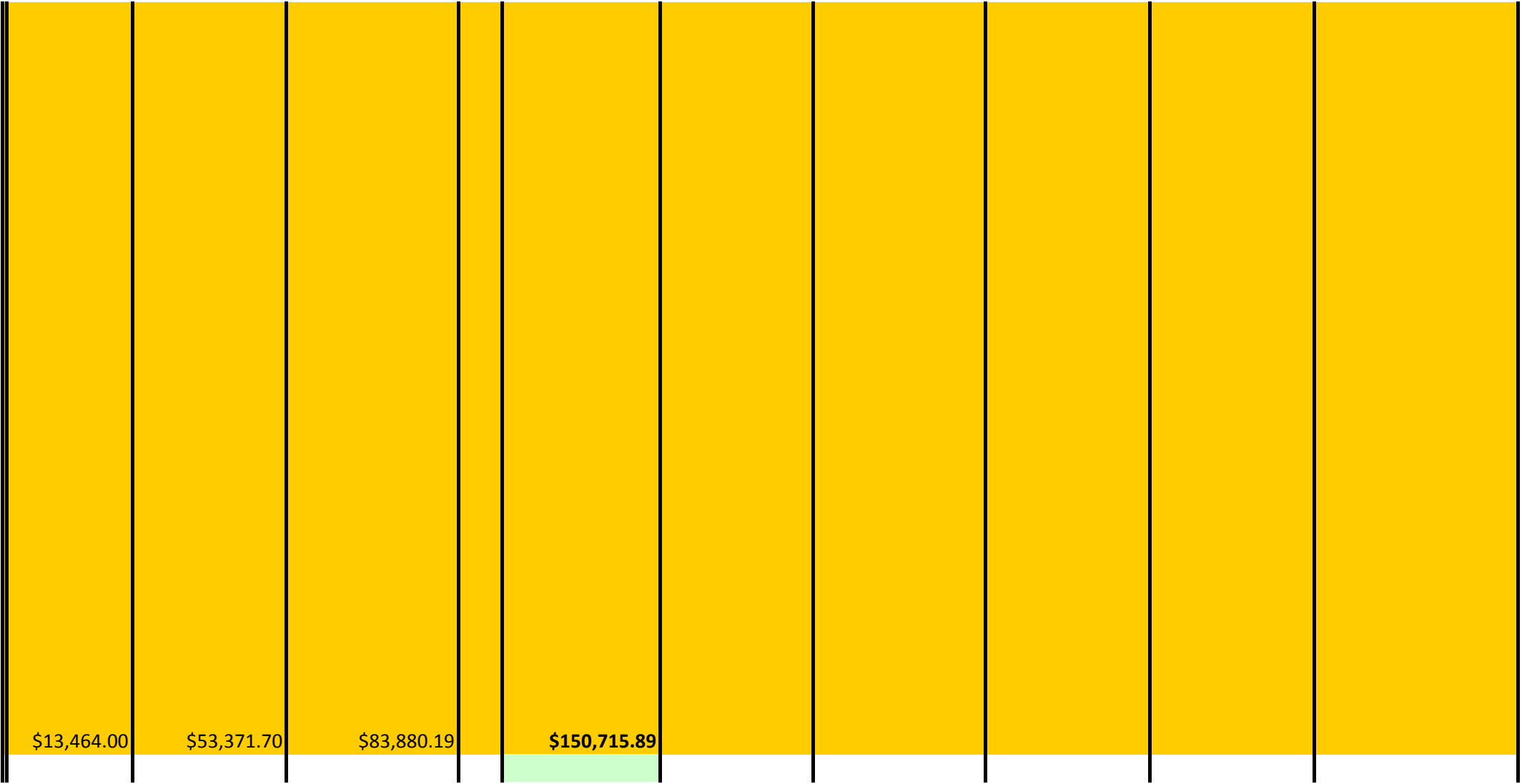
Calculation of Smart Meter Disposition Rider (per metered customer per month)

Years for collection or refunding	1.5	
Deferred Incremental Revenue Requirement from 2006 to December 31, 2011 plus Interest on OM&A and Amortization	\$ 151,674.49	
SMFA Revenues collected from 2006 to 2012 test year (inclusive) Plus Simple Interest on SMFA Revenues	\$ 317,224.07	
Net Deferred Revenue Requirement	-\$ 165,549.58	} Match
SMDR May 1, 2012 to April 30, 2014	-\$ 1.66	
Check: Forecasted SMDR Revenues	-\$ 165,236.40	

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

Incremental Revenue Requirement for 2012	\$ 97,052.28	
SMIRR	\$ 1.46	} Match
Check: Forecasted SMIRR Revenues	\$ 96,885.60	

2009	2010	2011		Total 2009 to 2011	Explanation Allocator	ID and Factors	Total	Residential	General Service Less than 50 kW
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Category	Class 1	Class 2	Class 3	Class 4
Smart Meter - Capital	\$6,543.50	\$24,028.73	\$39,073.11	\$69,645.35
Allocated per Class				
Smart Meter - Capital	\$6,089.59	\$22,640.07	\$41,519.37	\$70,249.03
Allocated per Class				

	2019	2020	2021
Operating Profit	\$69,645.35	\$57,060.27	\$12,585.08
	100.00%	81.93%	18.07%
Operating Loss	\$70,249.03	\$57,554.86	\$12,694.17
	100.00%	81.93%	18.07%

	\$0.00	\$5,242.83	\$3,699.79	\$8,942.62 Allocated per Class	Number of Smart Meters Installed for each Class	5,381	4,803	578
						\$8,942.62	\$7,982.05	\$960.57
	\$830.92	\$1,460.06	-\$412.09	\$1,878.89 Allocated per Class	Revenue Requirement allocated to each Class before PILs	\$148,837.00	\$122,597.18	\$26,239.82
						\$1,878.89	\$1,547.64	\$331.25
TOTAL REVENUE REQUIREMENT				\$150,715.89		Total \$150,715.89	Residential \$124,144.82	General Service Less than 50 kW \$26,571.07
Percentage of costs allocated to Residential and GS < 50 kW customer classes						100.00%	82.37%	17.63%
Revenue Generated from Smart Meter Funding Adder				\$317,224.07				
Revenues Generated from SMFA				\$317,224.07			\$ 281,190.39	\$ 36,033.68
Net Deferred Revenue Requirement				-\$166,508.18			88.64%	11.36%

Deferred SMIRR 6 Months (May 1 to Oct 31 2012) times SMIRR times # of Customers		\$ 39,977.59	\$ 8,548.55
Allocated per Class	-\$117,982.05	-\$117,067.98	-\$914.07
Number of Metered Customers (2012)		4,803	578
Smart Meter Disposition Rate Rider		-\$1.35	-\$0.09

Number of customers

Estimated SMFA Revenues

Residential	GS < 50 kW	Other Metered Customer Classes	Residential	GS < 50 kW	Other Metered Customer Classes	Total
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4,803	578	86	\$	8,276.64	\$	996.02	\$	148.20	\$	9,420.86
4,803	578	86	\$	15,223.53	\$	1,832.02	\$	272.58	\$	17,328.14
4,803	578	86	\$	15,748.86	\$	1,895.24	\$	281.99	\$	17,926.09
4,803	578	86	\$	39,158.08	\$	4,712.34	\$	701.14	\$	44,571.56
4,803	578	86	\$	73,231.37	\$	8,812.77	\$	1,311.24	\$	83,355.38
4,803	578	86	\$	88,406.45	\$	10,638.96	\$	1,582.96	\$	100,628.37

4,803	578	86	\$	38,650.37	\$	4,651.24	\$	692.05	\$	43,993.67
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\$	278,695.30	\$	33,538.60	\$	4,990.17	\$	317,224.07	-
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Hydro Hawkesbury Inc.

	2012	Total 2012	Explanation Allocator	ID and Factors	Total	Residential	General Service Less than 50 kW
Revenue Requirement for the Historical Years	\$97,052.28	\$97,052.28					
Total Return on Capital	\$41,594.71	\$41,594.71	Smart Meter - Capital	CWMC	100.00%	81.93%	18.07%
		Allocated per Class			\$41,594.71	\$34,078.44	\$7,516.26
Amortization	\$48,648.29	\$48,648.29	Smart Meter - Capital	CWMC	100.00%	81.93%	18.07%
		Allocated per Class			\$48,648.29	\$39,857.43	\$8,790.86
Operating Expenses	\$5,957.52	\$5,957.52	Number of Smart Meters Installed for each Class		5,381	4,803	578
		Allocated per Class			\$5,957.52	\$5,317.59	\$639.93
Grossed-up Taxes/PILs	\$851.75	\$851.75	Revenue Requirement allocated to each Class before PILs		\$96,200.52	\$79,253.47	\$16,947.05
		Allocated per Class			\$851.75	\$701.71	\$150.05
					Total	Residential	General Service Less than 50 kW
TOTAL REVENUE REQUIREMENT		\$97,052.28			\$97,052.28	\$79,955.17	\$17,097.10
Percentage of costs allocated to Residential and GS < 50 kW customer classes					100.00%	82.38%	17.62%
Number of Metered Customers (2012)						4,803	578
Smart Meter Disposition Rate Rider						\$1.39	\$2.46

Rate Class	SMDR	SMIRR
	18 Month Recovery November 1, 2012 to April 30, 2014	
Residential	(\$1.35)	\$1.39
General Service Less than 50 kW	(\$0.09)	\$2.46