



Cooperative Hydro Embrun Inc.
821 Notre-dame Street
Embrun, ON
K0A 1W1

March 16, 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 Application EB-2012-0094

Dear Ms. Walli:

Please find enclosed the application and evidence (the "Application") submitted by Cooperative Hydro Embrun Inc. ("Cooperative Hydro Embrun") for a Smart Meter Prudence Review Application, to be effective May 1, 2012.

This document is being filed pursuant to the Board's e-Filing Services.

Yours Truly,

Benoit Lamarche
General Manager



Cooperative Hydro Embrun Inc.

**Smart Meter Prudence Review
Application**

EB-2012-0094

Rates Effective: May 1, 2012

Date Filed: Mar 16, 2012

Cooperative Hydro Embrun Inc.

821 Notre-dame Street

Embrun, ON

K0A 1W1



File Number: EB-2012-0094

Date Filed: March 16, 2012

Exhibit 1

SMART METER PRUDENCE REVIEW



File Number: EB-2012-0094

Date Filed: March 16, 2012

Exhibit 1

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Administration



File Number: EB-2012-0094

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Legal Application
File Number: EB-2012-0094

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Date Filed: March 16, 2012

Legal Application

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

AND IN THE MATTER OF an Application by Cooperative
Hydro Embrun Inc.

to the Ontario Energy Board for an Order or Orders
approving rate riders for the recovery of Smart Meter costs
as of May 1, 2012.

APPLICATION

1. Cooperative Hydro Embrun Inc. ("CHEI" or "the Applicant") distributes electricity to most inhabitants of The Police Village of Embrun as at September 21, 2000, and Part of Lot 8, Concession 8, Township of Russell described as Lots 1 to 48 on Plan 50M-252 pursuant to a distribution license (ED-2002-0493) issued by the Ontario Energy Board (the "Board") and charges Board-authorized rates (EB-2010-0077) for the distribution service it provides.
2. The Applicant hereby applies to the Ontario Energy Board (the "OEB" or "the Board") pursuant to section 78 of the Ontario Energy Board Act, 1998, (the "OEB Act") for approval of Smart Meter rate riders to effect the recovery of its Smart Meter costs effective May 1, 2012.



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1 3. CHEI hereby applies for an order or orders in accordance with G-2011-0001
2 Guideline, Smart Meter Funding and Cost Recovery – Final Disposition,
3 December 15, 2011.

4
5 4. This Application is supported by written evidence that may be amended from
6 time to time, prior to the Board's final decision on this Application.

7
8 5. The Applicant requests that, pursuant to Section 34.01 of the Board's Rules of
9 Practice and Procedure, this proceeding be conducted by way of written hearing.

10
11 6. CHEI has used the applicable Board-issued Excel models, such models having
12 been subject to subsequent corrections and updates. The applicable model is:

- 13 • 2012 Smart Meter Model v2.17
14

15 7. CHEI applies for Board approval for the following matters:

- 16 • a) Elimination of the existing Smart Meter Funding Adder of \$1.33 per
17 metered customer per month effective April 30, 2012;
18 • b) Addition of a one year Smart Meter Disposition Rate Rider of \$0.14 per
19 metered customer per month effective May 1, 2012, and effective until
20 April 30, 2013 ; and
21 • c) Addition of a Smart Meter Incremental Revenue Requirement Rate
22 Rider of \$1.69 per metered customer per month effective May 1, 2012 and
23 effective until April 30 of the test year of CHEI's next cost of service
24 rebasing application.
25



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1 It is requested that these changes are implemented May 1, 2012 coincident with any
2 rate changes resulting from CHEI's 2012 IRM3 application (EB-2011-0164).

3
4 If for any reason these changes cannot be implemented May 1, 2012 CHEI hereby
5 requests an interim rate order for continuation of the current rate adder of \$1.33 until
6 this application is decided.

7
8 CHEI has filed this application as a stand-alone application in concurrence with its 3rd
9 Generation IRM application EB-2011-0164. CHEI would therefore request that the
10 Board waive publishing notice for this application.

11
12 DATED at Embrun, Ontario, this 16th day of March, 2012.

13 **All of which is respectfully submitted.**

14
15 **COOPERATIVE HYDRO EMBRUN INC.**

A handwritten signature in blue ink, appearing to read 'B. Lamarche', is enclosed within a thin black rectangular border.

16
17 Benoit Lamarche
18 General Manager
19
20



Statement of Publication
File Number: EB-2012-0094

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Statement of Publication

As the Board requires a notice to be published Cooperative Hydro Embrun confirms that Cooperative Hydro Embrun's notice will be appearing in the following publication:

The News (English Version)

Le Reflet (French Version)

1158 Notre-Dame Street, Embrun, ON

(same address)

P.O. Box 1170

KOA 1WO

Cooperative Hydro Embrun confirms it is not a paid publication.

Cooperative Hydro Embrun has been advised the readership for Le Refet of 31,900 and circulation numbers of 18,900 and for The News of 20,000 and circulation numbers of 13,200



Application Contact Information
File Number: EB-2012-0094

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Date Filed: March 16, 2012

Application Contact Information

The primary day-to-day contact for this application should be:

Benoit Lamarche
General Manager
(613) 443-5110
E-mail: embrunhydro@magma.ca

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

Cooperative Hydro Embrun Inc.
821 Notre-dame Street
Embrun, ON
K0A 1W1

Attention:
Benoit Lamarche
General Manager
(613) 443-5110
E-mail: embrunhydro@magma.ca

Manager's Summary

INTRODUCTION

CHEI is submitting this stand-alone application for the recovery of the costs the utility incurred in implementing its Smart Meter Program. Since CHEI has now essentially reached the 100% threshold of the audited cost for its program, and since its next cost of service rate application is not scheduled until 2014, the utility considered it appropriate to file for a 2012 stand-alone disposition.

As of end of 2011, CHEI had installed all of its Smart Meters. The total smart meter cost claimed in this application is \$314 k as indicated in Table 1 below.

Table 1 - Summary of Cost Claim

Total Smart Meter Capital Costs	\$ 314,417
Total Smart Meter OM&A Costs	\$ -
Total Smart Meter Costs	\$ 314,417

The incurred smart meter costs are partially offset (to April 30, 2012) by the Smart Meter Funding Adder – including simple interest – in the amount of \$103 k. The resulting rate riders and adders being sought are presented in Table 2 below.



Manager's Summary
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Table 2 - Summary of Rate Adders and Riders

Rate Adders and Riders	Before	After	Change
Smart Meter Funding Adder (SMFA)	\$1.33	\$0.00	(\$1.33)
Smart Meter Disposition Rate Rider (SMDR)	\$0.00	\$0.14	\$0.14
Smart Meter Incremental Revenue Requirement Rate Rider (SMIRR)	\$0.00	\$1.69	\$1.69
Total Smart Meter Rate Change	\$1.33	\$1.83	\$0.50

All costs incurred in completing CHEI's Smart Meter Program have been prudently incurred as is evidenced by a per meter capital cost of \$159.60 which compares favourably to the sector average capital cost of \$186.76 derived from the "Sector Smart Meter Audit Report" issued by the OEB Regulatory Audit and Accounting Group. No cost associated with stranded meters has been included in the application.

CHEI's implementation of Time of Use rates was initially scheduled for July 2011 however the Board granted the utility a six month extension to January 2012. CHEI was able to implement Time of Use rates February 2012.

Smart Meter Program Status

SMART METER FUNDING ADDER

In 2006 CHEI began collection of the smart meter funding adder. The following chronicles the smart meter funding adder approvals:

OEB Decision	Effective Date	Approved Rate Adder
EB-2005-0354	May 1, 2006	\$0.27
EB-2007-0519	May 1, 2007	\$0.27
EB-2007-0848	May 1, 2008	\$0.27
EB-2008-0168	May 1, 2009	\$1.00
EB-2009-0132	May 1, 2010	\$1.33
EB-2010-0077	May 1, 2011	\$1.33

For the period May 1, 2006 to April 30, 2012 will have smart meter rate adder revenue as detailed in the table below.

Smart Meter Rate Adder Revenue

Year	Funding Adder	Simple Interest	Total
2006	\$ 2,659.19	\$ 22.89	\$ 2,682.08
2007	\$ 5,952.44	\$ 258.10	\$ 6,210.54
2008	\$ 6,134.11	\$ 443.29	\$ 6,577.40
2009	\$ 15,453.44	\$ 199.88	\$ 15,653.32
2010	\$ 27,427.75	\$ 352.88	\$ 27,780.63
2011	\$ 32,190.22	\$ 1,071.37	\$ 33,261.59
2012	\$ 10,400.00	\$ 459.22	\$ 10,859.22
Total	\$100,217.15	\$2,807.63	\$103,024.78



SMART METER INSTALLATION

In 2009, CHEI entered into a contract with Elster Metering for the full implementation of smart meters, following participation in the London RFP Procurement Process. The following table shows CHEI's smart meter installations:

Year	Smart Meters Installed			% Complete
	Residential	GS < 50 kW	Other	
2006	0	0	0	0.0%
2007	0	0	0	0.0%
2008	0	0	0	0.0%
2009	1,755	152	0	96.8%
2010	22	3	12	1.9%
2011	9	3	0	0.6%
2012	10	4	0	0.7%
Total	1,796	162	12	100.0%

COLLABORATION WITH OTHER UTILITIES

In 2009 CHEI joined in on a cost sharing contract with other electricity distributors in the region. Under this arrangement Renfrew Hydro, Hydro 2000, Cooperative Embrun, Hawkesbury Hydro and Ottawa River Power Corporation now share many operational costs.

CAPITAL EXPENDITURES

The following table details CHEI's smart meter capital expenditures.



Smart Meter Program Status
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	2006	2007	2008	2009	2010	2011	2012	Total
3.1 Capital Costs								
3.1.1 Smart Meter	\$ -	\$ -	\$ -	\$ 293,686	\$ 14,643	\$ 1,883	\$ -	\$ 310,212
3.1.2 Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.1.3 Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.1.4 Tools & Equipment	\$ -	\$ -	\$ -	\$ 2,542	\$ 1,663	\$ -	\$ -	\$ 4,205
3.1.5 Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.1.6 Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.1.7 Total Capital Costs	\$ -	\$ -	\$ -	\$ 296,227	\$ 16,306	\$ 1,883	\$ -	\$ 314,417

This above is extracted from the OEB Smart Meter Model sheet "2. Smart_Meter_Costs".

CHEI has not included any capital cost that are beyond minimum functionality.

INCREMENTAL OMA COSTS

The following table details CHEI's smart meter incremental OM&A expenditures.

	2006	2007	2008	2009	2010	2011	2012	Total
3.2 OM&A Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.2.1 Total OM&A Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

This above is extracted from the OEB Smart Meter Model sheet "2. Smart_Meter_Costs".

CHEI has not included any OM&A costs as it is assumed to be part of regular operations. In making this decision CHEI has taken into consideration the incremental cost savings as offsets to incremental costs, i.e. meter readers.

CHEI has not included any OM&A cost that are beyond minimum functionality.

1 **INTEGRATION WITH MDM/R**

2 Over the past three months, CHEI has been working closely with the IESO on the
3 integration of meters and systems with the provincial Meter Data Management
4 Repository ("MDMR"). CHEI staff attended MDMR briefings and workshops in 2010 and
5 has spent approximately many hours working on the integration over the past few
6 months.

7
8 For purposes of this application CHEI confirms that it has not included any MDMR
9 costs.

10 **TRANSITION TO TOU PRICING**

11 Cooperative Hydro Embrun, Hydro 2000, Ottawa River Power and Renfrew Hydro are
12 working together to implementing TOU billing and filed a joint application for an
13 extension to January 2012. CHEI confirms that it has been billing TOU effective
14 February 2012.

15 **AUDITED FINANCIAL POSITION**

16 CHEI completed installation of approximately 98% of its smart meters in 2010 for which
17 audited financial statements have been completed.

18

19 **STRANDED METERS**

20 Since this is a stand-alone application then, consistent with the Guideline, no claim is
21 made for stranded meters. CHEI will claim for its stranded meters in its next cost of
22 service application scheduled for 2014.

Smart Meter Disposition Rider (SMDR)

CHEI is seeking Board approval for a Smart Meter Disposition Rate Rider in the amount of \$0.14 per metered customer per month for the one year period May 1, 2012 to April 30, 2013. The calculation was made utilizing the Board's Smart Meter Model (Appendix F).

The value of the SMDR is based on the net amount resulting from:

- Deferred and forecasted Smart Meter Incremental Revenue Requirement from January 1, 2007 to December 31, 2011

Plus

- Interest on Deferred and forecasted OM&A and Amortization Expenses from January 1, 2007 to December 31, 2011

Less

- SMFA Revenues collected (including carrying charges) from May 1, 2006 to April 30, 2012

The following table below shows the calculation of the SMDR. Full details are contained in Appendix A.

Smart Meter Disposition Rider

Deferred and forecasted Smart Meter Incremental Revenue Requirement	\$106,660
Interest on Deferred and forecasted OM&A and Amortization Expense	\$0
Deferred Incremental Revenue Requirement from 2006 to December 31, 2011	\$106,660
SMFA Revenues collected from 2006 to 2012 test year	(\$100,217)
Plus Simple Interest on SMFA Revenues	(\$3,053)
Net Deferred Revenue Requirement	\$3,390
Number of Metered Customers (average for 2012 test year)	1,958
Smart Meter Disposition Rider (per metered customer per month)	\$0.14



Smart Meter Incremental Revenue Requirement Rider (SMIRR)

CHEI is seeking Board approval for Smart Meter Incremental Revenue Requirement Rate Rider in the amount of \$1.69 per metered customer per month for the period May 1, 2012 until CHEI's next cost of service rebasing. The calculation was made utilizing the Board's Smart Meter Model (Appendix A).

The following table below shows the calculation of the SMIRR.

Smart Meter Incremental Revenue Requirement Rate Rider

Total Return on Capital	\$16,809
Operating Expenses	\$0
Amortization Expenses	\$21,101
Incremental Revenue Requirement before Taxes/PILs	\$37,910
Grossed-up Taxes/PILs	\$1,800
Revenue Requirement, including Grossed-up Taxes/PILs	\$39,710
Number of Metered Customers (average for 2012 test year)	1,958
Smart Meter Incremental Revenue Requirement Rate Rider (per metered customer per month)	\$1.69



Accounting Order
File Number: EB-2012-0094

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Accounting Order

For purpose of this application CHEI hereby makes the following request for accounting orders:

TRANSFER GROSS SMART METER ASSETS

- to transfer the balance of gross assets recorded in USoA accounts 1555-Smart Meter Capital and Recovery Offset Variance Account as at December 31, 2011 to the appropriate fixed asset accounts.

Transfer Gross Smart Meter Costs @ December 31, 2011	Dr	Cr
1860-Meters	\$ 310,212	
1920-Computer Equipment - Hardware	\$ -	
1611-Computer Software	\$ -	
1940-Tools, Shop and Garage Equipment	\$ 4,205	
1960-Miscellaneous Equipment	\$ -	
1555-Smart Meter Capital and Recovery Offset Variance Account - (sub ledger - Capital Costs)		\$ 314,417

RECORD ACCUMULATED DEPRECIATION AND DEPRECIATION EXPENSE

- to record accumulated depreciation and offsetting depreciation expense related to the disposition of smart meters as at December 31, 2011.



Accounting Order
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Record Accumulated Depreciation @ December 31, 2011		Dr	Cr
5705-Depreciation Expense – Property, Plant, and Equipment		\$ 51,360	
2105-Accumulated Depreciation of Electric Utility Plant - Property, Plant and Equipment 1860-Meters			\$ 50,475
2105-Accumulated Depreciation of Electric Utility Plant - Property, Plant and Equipment 1920-Computer Equipment - Hardware			\$ -
2105-Accumulated Depreciation of Electric Utility Plant - Property, Plant and Equipment 1611-Computer Software			\$ -
2105-Accumulated Depreciation of Electric Utility Plant - Property, Plant and Equipment 1940-Tools, Shop and Garage Equipment			\$ 885
2105-Accumulated Depreciation of Electric Utility Plant - Property, Plant and Equipment 1960-Miscellaneous Equipment			\$ -

TRANSFER OM&A EXPENSE

- to clear the balances in USoA accounts 1556-Smart Meter OM&A Variance Account related to the disposition of smart meters as at December 31, 2011.

Transfer OM&A Expense @ December 31, 2011		DR	CR
5065-Meter Expense		\$ -	
1556-Smart Meter OM&A Variance Account			\$ -

TRANSFER DECEMBER 31, 2011 RESIDUAL REVENUE REQUIREMENT

- to transfer the residual revenue requirement balances from USoA account 1555-Smart Meter Capital and Recovery Offset Variance Account to 1595-Disposition and Recovery/Refund of Regulatory Balances Control Account related to the disposition of smart meters as at December 31, 2011.



Accounting Order
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Revenue Requirement Owing @ December 31, 2011	Dr	Cr
Revenue Requirement to December 31, 2011	\$ 106,660	
Carrying Charges on Revenue Requirement to December 31, 2011	\$ -	
SMFA Revenues collected to December 31, 2011		\$ 89,817
Simple interest SMFA Revenues collected to December 31, 2012		\$ 2,348
1595-Disposition and Recovery/Refund of Regulatory Balances Control Account - (sub ledger -SMDR Recovery)	\$ 14,494	
1555-Smart Meter Capital and Recovery Offset Variance Account - (sub ledger - SMDR Recovery)		\$ 14,494

TRANSFER APRIL 30, 2012 RESIDUAL REVENUE REQUIREMENT

- to transfer the residual revenue requirement balances from USoA accounts 1555-Smart Meter Capital and Recovery Offset Variance Account to 1595-Disposition and Recovery/Refund of Regulatory Balances Control Account related to the disposition of smart meters as at April 30, 2012.

Revenue Requirement Owing @ April 30, 2012	Dr	Cr
SMFA Revenues collected to April 30, 2012		\$ 10,400
Simple interest SMFA Revenues collected to April 30, 2012		\$ 705
1595-Disposition and Recovery/Refund of Regulatory Balances Control Account - (sub ledger -SMDR Recovery	\$ 11,105	
1555-Smart Meter Capital and Recovery Offset Variance Account - (sub ledger - SMDR Recovery)		\$ 11,105

RECORD THE SMDR RECOVERY

- CHEI will record the SMDR recovery as an offset to account 1595-Disposition and Recovery/Refund of Regulatory Balances Control Account sub-ledger SMDR



Accounting Order
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Debit/Credit - 1595-Disposition and Recovery/Refund of Regulatory Balances Control
Account sub-ledger SMDR
Credit/Debit - 1100-Customer Accounts Receivable

- CHEI will record simple interest against the opening monthly balances in USoA account 6035-Other Interest Expense.

Debit/Credit - 1595-Disposition and Recovery/Refund of Regulatory Balances Control
Account sub-ledger SMDR
Credit/Debit - 6035-Other Interest Expense

Simple interest will be computed monthly on the opening balance in account 1595-Disposition and Recovery/Refund of Regulatory Balances Control Account sub-ledger SMDR in accordance with the methodology approved by the Board.

DISPOSITION OF REMAINING RESIDUAL BALANCES

- CHEI will record any remaining residual balances resulting from the clearance of final balances related to the disposition of smart meters from USoA account 1555-Smart Meter Capital and Recovery Offset Variance Account and 1556-Smart Meter OM&A Variance Account to account 4050-Revenue Adjustment.

Debit/Credit - 1555-Smart Meter Capital and Recovery Offset Variance Account
Debit/Credit - 1556-Smart Meter OM&A Variance Account
Credit/Debit - 4050-Revenue Adjustment

MONTHLY SMART METER INCREMENTAL REVENUE REQUIREMENT

- Effective January, 2012 and every month thereafter, until December of the year of its next cost of service rebasing test year, CHEI will record the amount of \$3,309.19 (being 1/12



Accounting Order
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of the annual \$39,710.27 Smart Meter Incremental Revenue Requirement as calculated in the OEB smart meter model) and monthly interest

Monthly Incremental Revenue Requirement Starting January 1, 2012		Dr	Cr
1595-Disposition and Recovery/Refund of Regulatory Balances Control Account - (sub ledger -SMIRR Recovery)		\$ 3,309.19	
4050-Revenue Adjustment			\$ 3,309.19

- To record, as a debit (credit) in 1595-Disposition and Recovery/Refund of Regulatory Balances Control Account - (sub ledger -SMIRR Recovery), interest on the balance in Deferral Account

Debit/Credit - 1595-Disposition and Recovery/Refund of Regulatory Balances Control Account - (sub ledger -SMIRR Recovery))
Credit/Debit - 6035-Other Interest Expense

Simple interest will be computed monthly on the opening balance in account 1595-Disposition and Recovery/Refund of Regulatory Balances Control Account sub-ledger SMDR in accordance with the methodology approved by the Board.

RECORD THE SMIRR RECOVERY

- CHEI will record the SMIRR recovery as an offset to account 1595-Disposition and Recovery/Refund of Regulatory Balances Control Account sub-ledger SMIRR

Debit/Credit - 1595-Disposition and Recovery/Refund of Regulatory Balances Control Account sub-ledger SMIRR
Credit/Debit - 1100-Customer Accounts Receivable



Accounting Order
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- 1 • CHEI will record simple interest against the opening monthly balances in USoA account
2 6035-Other Interest Expense.
3
4 Debit/Credit - 1595-Disposition and Recovery/Refund of Regulatory Balances Control
5 Account sub-ledger SMIRR
6 Credit/Debit - 6035-Other Interest Expense
7
8 Simple interest will be computed monthly on the opening balance in account 1595-
9 Disposition and Recovery/Refund of Regulatory Balances Control Account sub-ledger
10 SMDR in accordance with the methodology approved by the Board.
11
12 Note: this request does not include the disposition of 1555-Smart Meter Capital and Recovery
13 Offset Variance Account, Sub-accounts Stranded Meter Costs which will be deferred until
14 CHEI's next cost of service rebasing application.



Rate Change Summary
File Number: EB-2012-0094

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Rate Change Summary

The table below shows the \$0.50 nominal rate change CHEI is seeking approval for in this application. The “before” value corresponds to the currently-approved values; i.e. those contained in Appendix A to Decision and Order, Tariff of Rates and Charges, EB-2010-0077, dated April 7, 2011.

Summary of Rate Adders and Riders

Rate Adders and Riders	Before	After	Change
Smart Meter Funding Adder (SMFA)	\$1.33	\$0.00	(\$1.33)
Smart Meter Disposition Rate Rider (SMDR)	\$0.00	\$0.14	\$0.14
Smart Meter Incremental Revenue Requirement Rate Rider (SMIRR)	\$0.00	\$1.69	\$1.69
Total Smart Meter Rate Change	\$1.33	\$1.83	\$0.50



Conclusion
File Number: EB-2012-0094

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Conclusion

It is respectfully submitted that the costs requested for recovery in this application have been necessary to fulfill CHEI's obligations under the Provincially-mandated Smart Meter Initiative; have been prudently incurred in accordance with Board guidelines; the proposed rate riders are just and reasonable; the associated customer bill impacts are minimal; and it is therefore appropriate that the Board approve the proposed rate riders and eliminate the funding adder for implementation effective May 1, 2012.



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Application Appendices



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Appendix A - 2012 Smart Meter Model v2.17



Ontario Energy Board

Smart Meter Model**Choose Your Utility:**

COLLUS Power Corporation

Cooperative Hydro Embrun Inc.

Application Contact Information

Name:

BENOIT LAMARCHE

Title:

MANAGER

Phone Number:

613-443-5110

Email Address:

embrunhydro@magma .ca

We are applying for rates effective:

May 1, 2012

Last COS Re-based Year

2011

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.



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	
Smart Meter Installation Plan									
Actual/Planned number of Smart Meters installed during the Calendar Year									
Residential		0	0	0	1,755	22	9	10	1796
General Service < 50 kW		0	0	0	152	3	3	4	162
Actual/Planned number of Smart Meters installed (Residential and GS < 50 kW only)		0	0	0	1907	25	12	14	1958
Percentage of Residential and GS < 50 kW Smart Meter Installations Completed		0.00%	0.00%	0.00%	97.40%	98.67%	99.28%	100.00%	100.00%
Actual/Planned number of GS > 50 kW meters installed		0	0	0	0	12	0	0	12
Other (please identify)		0	0	0	0	0	0	0	0
Total Number of Smart Meters installed or planned to be installed		0	0	0	1907	37	12	14	1970
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	
		0	0	0	224,188	12,003			\$ 236,191
1.1.2 Installation Costs (may include socket kits, labour, vehicle, benefits, etc.)	Smart Meter				33,904	2,640			\$ 36,544
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)		\$ -	\$ -	\$ -	\$ 258,092	\$ 14,643	\$ -	\$ -	\$ 272,735
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	
					6,889	0	1,883		\$ 8,772
1.2.2 Repeaters (may include radio licence, etc.)									\$ -
1.2.3 Installation (may include meter seals and rings, collector computer hardware, etc.)	Tools & Equipment				2,542	1,663			\$ 4,205
Total Advanced Metering Regional Collector (AMRC) (Includes LAN)		\$ -	\$ -	\$ -	\$ 9,430	\$ 1,663	\$ 1,883	\$ -	\$ 12,977

1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)

1.3.1 Computer Hardware

1.3.2 Computer Software

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

Total Advanced Metering Control Computer (AMCC)

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

1.4 WIDE AREA NETWORK (WAN)

1.4.1 Activation Fees

Total Wide Area Network (WAN)

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

1.5 OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY

1.5.1 Customer Equipment (including repair of damaged equipment)

1.5.2 AMI Interface to CIS

1.5.3 Professional Fees

1.5.4 Integration

1.5.5 Program Management

1.5.6 Other AMI Capital

Total Other AMI Capital Costs Related to Minimum Functionality

Total Capital Costs Related to Minimum Functionality

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast		
								\$	-
								\$	-
								\$	-
Smart Meter				28,705				\$	28,705
								\$	-
								\$	-
	\$ -	\$ -	\$ -	28,705	\$ -	\$ -	\$ -	\$	28,705
	\$ -	\$ -	\$ -	296,227	\$ 16,306	\$ 1,883	\$ -	\$	314,417

1.6 CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY

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

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

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

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

Total Capital Costs Beyond Minimum Functionality

Total Smart Meter Capital Costs

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast		
Computer Software								\$	-
Applications Software								\$	-
								\$	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
	\$ -	\$ -	\$ -	296,227	\$ 16,306	\$ 1,883	\$ -	\$	314,417

3 Aggregate Smart Meter Costs by Category

[illegible]



Ontario Energy Board

Smart Meter Model

Cooperative Hydro Embrun Inc.

	2006	2007	2008	2009	2010	2011	2012 and later
Cost of Capital							
Capital Structure¹							
Deemed Short-term Debt Capitalization			4.0%	4.0%	4.0%	4.0%	4.0%
Deemed Long-term Debt Capitalization	50.0%	50.0%	49.3%	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							
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Cost of Capital Parameters							
Deemed Short-term Debt Rate			4.47%	1.33%	2.07%	2.46%	2.08%
Long-term Debt Rate (actual/embedded/deemed) ²	6.25%	6.25%	6.10%	7.62%	5.87%	5.48%	5.01%
Target Return on Equity (ROE)	9.0%	9.00%	8.57%	8.01%	9.85%	9.66%	9.42%
Return on Preferred Shares							
WACC	7.63%	7.63%	7.19%	7.54%	7.31%	7.03%	6.66%
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

(expressed as expected useful life in years)

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	2	2	2	2	2	2	2
- rate (%)	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
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%

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

Cooperative Hydro Embrun Inc.

	2006	2007	2008	2009	2010	2011
Net Fixed Assets - Smart Meters						
Gross Book Value						
Opening Balance		\$ -	\$ -	\$ -	\$ 293,686	\$ 308,329
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 293,686	\$ 14,643	\$ 1,883
Retirements/Removals (if applicable)						
Closing Balance	\$ -	\$ -	\$ -	\$ 293,686	\$ 308,329	\$ 310,212
Accumulated Depreciation						
Opening Balance		\$ -	\$ -	\$ -	-\$ 9,790	-\$ 29,857
Amortization expense during year	\$ -	\$ -	\$ -	-\$ 9,790	-\$ 20,067	-\$ 20,618
Retirements/Removals (if applicable)						
Closing Balance	\$ -	\$ -	\$ -	-\$ 9,790	-\$ 29,857	-\$ 50,475
Net Book Value						
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 283,896	\$ 278,472
Closing Balance	\$ -	\$ -	\$ -	\$ 283,896	\$ 278,472	\$ 259,737
Average Net Book Value	\$ -	\$ -	\$ -	\$ 141,948	\$ 281,184	\$ 269,105
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		\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)						
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Accumulated Depreciation						
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)						
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Book Value						
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Average Net Book Value	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Net Fixed Assets - Tools and Equipment

Gross Book Value						
Opening Balance		\$ -	\$ -	\$ -	\$ 2,542	\$ 4,205
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 2,542	\$ 1,663	\$ -
Retirements/Removals (if applicable)						
Closing Balance	\$ -	\$ -	\$ -	\$ 2,542	\$ 4,205	\$ 4,205
Accumulated Depreciation						
Opening Balance	\$ -	\$ -	\$ -	\$ -	-\$ 127	-\$ 464
Amortization expense during year	\$ -	\$ -	\$ -	-\$ 127	-\$ 337	-\$ 420
Retirements/Removals (if applicable)						
Closing Balance	\$ -	\$ -	\$ -	-\$ 127	-\$ 464	-\$ 885
Net Book Value						
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 2,415	\$ 3,740
Closing Balance	\$ -	\$ -	\$ -	\$ 2,415	\$ 3,740	\$ 3,320
Average Net Book Value	\$ -	\$ -	\$ -	\$ 1,207	\$ 3,077	\$ 3,530

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



2012 and later

\$	310,212
\$	-
\$	310,212

-\$	50,475
-\$	20,681
-\$	71,155

\$	259,737
\$	239,057
\$	249,397

\$	-
\$	-
\$	-

\$	-
\$	-
\$	-

\$	-
\$	-
\$	-

\$	-
\$	-
\$	-

\$	-
\$	-
\$	-

\$	-
\$	-
\$	-

\$	4,205
\$	-
\$	4,205

\$	885
\$	420
\$	1,305

\$	3,320
\$	2,899
\$	3,110

\$	-
\$	-
\$	-

\$	-
\$	-
\$	-

\$	-
\$	-
\$	-



Ontario Energy Board

Smart Meter Model

Cooperative Hydro Embrun Inc.

	2006	2007	2008	2009	2010	2011	2012 and Later
Average Net Fixed Asset Values (from Sheet 4)							
Smart Meters	\$ -	\$ -	\$ -	\$ 141,948	\$ 281,184	\$ 269,105	\$ 249,397
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tools & Equipment	\$ -	\$ -	\$ -	\$ 1,207	\$ 3,077	\$ 3,530	\$ 3,110
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Net Fixed Assets	\$ -	\$ -	\$ -	\$ 143,155	\$ 284,261	\$ 272,635	\$ 252,507
Working Capital							
Operating Expenses (from Sheet 2)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Working Capital Factor (from Sheet 3)	15%	15%	15%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Incremental Smart Meter Rate Base	\$ -	\$ -	\$ -	\$ 143,155	\$ 284,261	\$ 272,635	\$ 252,507
Return on Rate Base							
Capital Structure							
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ 5,726	\$ 11,370	\$ 10,905	\$ 10,100
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ 75,443	\$ 159,186	\$ 152,676	\$ 141,404
Equity	\$ -	\$ -	\$ -	\$ 61,986	\$ 113,705	\$ 109,054	\$ 101,003
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capitalization	\$ -	\$ -	\$ -	\$ 143,155	\$ 284,261	\$ 272,635	\$ 252,507
Return on							
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ 76	\$ 235	\$ 268	\$ 210
Deemed Long Term Debt	\$ -	\$ -	\$ -	\$ 5,749	\$ 9,344	\$ 8,367	\$ 7,084
Equity	\$ -	\$ -	\$ -	\$ 4,965	\$ 11,200	\$ 10,535	\$ 9,514
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Return on Capital	\$ -	\$ -	\$ -	\$ 10,790	\$ 20,780	\$ 19,170	\$ 16,809
Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Expenses (from Sheet 4)							
Smart Meters	\$ -	\$ -	\$ -	\$ 9,790	\$ 20,067	\$ 20,618	\$ 20,681
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tools & Equipment	\$ -	\$ -	\$ -	\$ 127	\$ 337	\$ 420	\$ 420
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Amortization Expense in Year	\$ -	\$ -	\$ -	\$ 9,917	\$ 20,404	\$ 21,039	\$ 21,101
Incremental Revenue Requirement before Taxes/PILs	\$ -	\$ -	\$ -	\$ 20,707	\$ 41,184	\$ 40,208	\$ 37,910
Calculation of Taxable Income							
Incremental Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Expense	\$ -	\$ -	\$ -	\$ 9,917	\$ 20,404	\$ 21,039	\$ 21,101
Interest Expense	\$ -	\$ -	\$ -	\$ 5,825	\$ 9,580	\$ 8,635	\$ 7,294
Net Income for Taxes/PILs	\$ -	\$ -	\$ -	\$ 4,965	\$ 11,200	\$ 10,535	\$ 9,514
Grossed-up Taxes/PILs (from Sheet 7)	\$ -	\$ -	\$ -	\$ 1,213.32	\$ 1,704.95	\$ 1,643.03	\$ 1,800.12
Revenue Requirement, including Grossed-up Taxes/PILs	\$ -	\$ -	\$ -	\$ 21,920	\$ 42,889	\$ 41,851	\$ 39,710



Ontario Energy Board

Smart Meter Model

Cooperative Hydro Embrun 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	\$ -	\$ -	\$ -	\$ -	\$ 281,938.12	\$ 273,440.48	\$ 253,373.39
Capital Additions	\$ -	\$ -	\$ -	\$ 293,685.54	\$ 14,643.14	\$ 1,883.48	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 293,685.54	\$ 296,581.26	\$ 275,323.96	\$ 253,373.39
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ 146,842.77	\$ 7,321.57	\$ 941.74	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ 146,842.77	\$ 289,259.69	\$ 274,382.22	\$ 253,373.39
CCA Rate Class	1	47	47	47	47	47	47
CCA Rate	4%	8%	8%	8%	8%	8%	8%
CCA	\$ -	\$ -	\$ -	\$ 11,747.42	\$ 23,140.78	\$ 21,950.58	\$ 20,269.87
Closing UCC	\$ -	\$ -	\$ -	\$ 281,938.12	\$ 273,440.48	\$ 253,373.39	\$ 233,103.51

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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA Rate Class	45	50	50	52	52	50	50
CCA Rate	45%	55%	55%	100%	100%	55%	55%
CCA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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	\$ -	\$ -	\$ -	\$ -	\$ 2,287.48	\$ 3,326.75	\$ 2,661.40
Capital Additions Tools & Equipment	\$ -	\$ -	\$ -	\$ 2,541.64	\$ 1,663.08	\$ -	\$ -
Capital Additions Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 2,541.64	\$ 3,950.56	\$ 3,326.75	\$ 2,661.40
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ 1,270.82	\$ 831.54	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ 1,270.82	\$ 3,119.02	\$ 3,326.75	\$ 2,661.40
CCA Rate Class	8	8	8	8	8	8	8
CCA Rate	20%	20%	20%	20%	20%	20%	20%
CCA	\$ -	\$ -	\$ -	\$ 254.16	\$ 623.80	\$ 665.35	\$ 532.28
Closing UCC	\$ -	\$ -	\$ -	\$ 2,287.48	\$ 3,326.75	\$ 2,661.40	\$ 2,129.12



Ontario Energy Board

Smart Meter Model



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	\$ -	\$ -	\$ -	\$ 4,965.10	\$ 11,199.90	\$ 10,534.61	\$ 9,514.45
Amortization	\$ -	\$ -	\$ -	\$ 9,916.60	\$ 20,404.46	\$ 21,038.50	\$ 21,101.28
CCA - Smart Meters	\$ -	\$ -	\$ -	\$ 11,747.42	\$ 23,140.78	\$ 21,950.58	\$ 20,269.87
CCA - Computers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ 254.16	\$ 623.80	\$ 665.35	\$ 532.28
Change in taxable income	\$ -	\$ -	\$ -	\$ 2,880.11	\$ 7,839.78	\$ 8,957.18	\$ 9,813.58
Tax Rate (from Sheet 3)	18.62%	18.62%	16.50%	16.50%	16.00%	15.50%	15.50%
Income Taxes Payable	\$ -	\$ -	\$ -	\$ 475.22	\$ 1,254.37	\$ 1,388.36	\$ 1,521.11
ONTARIO CAPITAL TAX							
Smart Meters	\$ -	\$ -	\$ -	\$ 283,896.02	\$ 278,472.02	\$ 259,737.47	\$ 239,056.66
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(Including Application Software)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tools & Equipment	\$ -	\$ -	\$ -	\$ 2,414.56	\$ 3,740.32	\$ 3,319.85	\$ 2,899.38
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Base	\$ -	\$ -	\$ -	\$ 286,310.58	\$ 282,212.34	\$ 263,057.32	\$ 241,956.04
Less: Exemption							
Deemed Taxable Capital	\$ -	\$ -	\$ -	\$ 286,310.58	\$ 282,212.34	\$ 263,057.32	\$ 241,956.04
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)	\$ -	\$ -	\$ -	\$ 644.20	\$ 211.66	\$ -	\$ -
Change in Income Taxes Payable	\$ -	\$ -	\$ -	\$ 475.22	\$ 1,254.37	\$ 1,388.36	\$ 1,521.11
Change in OCT	\$ -	\$ -	\$ -	\$ 644.20	\$ 211.66	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ 1,119.42	\$ 1,466.02	\$ 1,388.36	\$ 1,521.11
Gross Up PILs							
Tax Rate	18.62%	18.62%	16.50%	16.50%	16.00%	15.50%	15.50%
Change in Income Taxes Payable	\$ -	\$ -	\$ -	\$ 569.12	\$ 1,493.29	\$ 1,643.03	\$ 1,800.12
Change in OCT	\$ -	\$ -	\$ -	\$ 644.20	\$ 211.66	\$ -	\$ -
PILs	\$ -	\$ -	\$ -	\$ 1,213.32	\$ 1,704.95	\$ 1,643.03	\$ 1,800.12





Ontario Energy Board

Smart Meter Model



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
2006 Q1			Jan-06	2006	Q1	\$ -		0.00%	\$ -	\$ -	
2006 Q2	4.14%	4.68%	Feb-06	2006	Q1	\$ -		0.00%	\$ -	\$ -	
2006 Q3	4.59%	5.05%	Mar-06	2006	Q1	\$ -		0.00%	\$ -	\$ -	
2006 Q4	4.59%	4.72%	Apr-06	2006	Q2	\$ -		4.14%	\$ -	\$ -	
2007 Q1	4.59%	4.72%	May-06	2006	Q2	\$ -		4.14%	\$ -	\$ -	
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	\$ -		4.14%	\$ -	\$ -	
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	\$ -	\$ 226.56	4.59%	\$ -	\$ 226.56	
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	\$ 226.56	\$ 500.76	4.59%	\$ 0.87	\$ 728.19	
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	\$ 727.32	\$ 455.97	4.59%	\$ 2.78	\$ 1,186.07	
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	\$ 1,183.29	\$ 505.02	4.59%	\$ 4.53	\$ 1,692.84	
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	\$ 1,688.31	\$ 468.36	4.59%	\$ 6.46	\$ 2,163.13	
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	\$ 2,156.67	\$ 502.52	4.59%	\$ 8.25	\$ 2,667.44	\$ 2,682.08
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	\$ 2,659.19	\$ 722.24	4.59%	\$ 10.17	\$ 3,391.60	
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	\$ 3,381.43	\$ 283.21	4.59%	\$ 12.93	\$ 3,677.57	
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	\$ 3,664.64	\$ 466.05	4.59%	\$ 14.02	\$ 4,144.71	
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	\$ 4,130.69	\$ 506.86	4.59%	\$ 15.80	\$ 4,653.35	
2010 Q1	0.55%	4.34%	May-07	2007	Q2	\$ 4,637.55	\$ 475.79	4.59%	\$ 17.74	\$ 5,131.08	
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	\$ 5,113.34	\$ 525.13	4.59%	\$ 19.56	\$ 5,658.03	
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	\$ 5,638.47	\$ 476.77	4.59%	\$ 21.57	\$ 6,136.81	
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	\$ 6,115.24	\$ 504.31	4.59%	\$ 23.39	\$ 6,642.94	
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	\$ 6,619.55	\$ 474.37	4.59%	\$ 25.32	\$ 7,119.24	
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	\$ 7,093.92	\$ 513.57	5.14%	\$ 30.39	\$ 7,637.88	
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	\$ 7,607.49	\$ 475.14	5.14%	\$ 32.59	\$ 8,115.22	
2011 Q4	1.47%	4.29%	Dec-07	2007	Q4	\$ 8,082.63	\$ 529.00	5.14%	\$ 34.62	\$ 8,646.25	\$ 6,210.54
2012 Q1	1.47%	4.29%	Jan-08	2008	Q1	\$ 8,611.63	\$ 763.61	5.14%	\$ 36.89	\$ 9,412.13	
2012 Q2	1.47%	4.29%	Feb-08	2008	Q1	\$ 9,375.24	\$ 246.52	5.14%	\$ 40.16	\$ 9,661.92	
2012 Q3		4.29%	Mar-08	2008	Q1	\$ 9,621.76	\$ 483.84	5.14%	\$ 41.21	\$ 10,146.81	
2012 Q4		4.29%	Apr-08	2008	Q2	\$ 10,105.60	\$ 525.62	4.08%	\$ 34.36	\$ 10,665.58	
			May-08	2008	Q2	\$ 10,631.22	\$ 482.13	4.08%	\$ 36.15	\$ 11,149.50	
			Jun-08	2008	Q2	\$ 11,113.35	\$ 538.27	4.08%	\$ 37.79	\$ 11,689.41	
			Jul-08	2008	Q3	\$ 11,651.62	\$ 524.41	3.35%	\$ 32.53	\$ 12,208.56	
			Aug-08	2008	Q3	\$ 12,176.03	\$ 522.48	3.35%	\$ 33.99	\$ 12,732.50	
			Sep-08	2008	Q3	\$ 12,698.51	\$ 487.06	3.35%	\$ 35.45	\$ 13,221.02	
			Oct-08	2008	Q4	\$ 13,185.57	\$ 528.83	3.35%	\$ 36.81	\$ 13,751.21	
			Nov-08	2008	Q4	\$ 13,714.40	\$ 493.75	3.35%	\$ 38.29	\$ 14,246.44	
			Dec-08	2008	Q4	\$ 14,208.15	\$ 537.59	3.35%	\$ 39.66	\$ 14,785.40	\$ 6,577.40
			Jan-09	2009	Q1	\$ 14,745.74	\$ 496.65	2.45%	\$ 30.11	\$ 15,272.50	
			Feb-09	2009	Q1	\$ 15,242.39	\$ 542.53	2.45%	\$ 31.12	\$ 15,816.04	
			Mar-09	2009	Q1	\$ 15,784.92	\$ 499.50	2.45%	\$ 32.23	\$ 16,316.65	
			Apr-09	2009	Q2	\$ 16,284.42	\$ 547.71	1.00%	\$ 13.57	\$ 16,845.70	
			May-09	2009	Q2	\$ 16,832.13	\$ 501.35	1.00%	\$ 14.03	\$ 17,347.51	
			Jun-09	2009	Q2	\$ 17,333.48	\$ 1,323.28	1.00%	\$ 14.44	\$ 18,671.20	
			Jul-09	2009	Q3	\$ 18,656.76	\$ 1,820.15	0.55%	\$ 8.55	\$ 20,485.46	
			Aug-09	2009	Q3	\$ 20,476.91	\$ 2,010.23	0.55%	\$ 9.39	\$ 22,496.53	
			Sep-09	2009	Q3	\$ 22,487.14	\$ 1,831.63	0.55%	\$ 10.31	\$ 24,329.08	
			Oct-09	2009	Q4	\$ 24,318.77	\$ 2,013.82	0.55%	\$ 11.15	\$ 26,343.74	
			Nov-09	2009	Q4	\$ 26,332.59	\$ 1,842.93	0.55%	\$ 12.07	\$ 28,187.59	
			Dec-09	2009	Q4	\$ 28,175.52	\$ 2,023.66	0.55%	\$ 12.91	\$ 30,212.09	\$ 15,653.32
			Jan-10	2010	Q1	\$ 30,199.18	\$ 1,841.46	0.55%	\$ 13.84	\$ 32,054.48	
			Feb-10	2010	Q1	\$ 32,040.64	\$ 2,006.59	0.55%	\$ 14.69	\$ 34,061.92	
			Mar-10	2010	Q1	\$ 34,047.23	\$ 1,868.70	0.55%	\$ 15.60	\$ 35,931.53	
			Apr-10	2010	Q2	\$ 35,915.93	\$ 2,010.46	0.55%	\$ 16.46	\$ 37,942.85	
			May-10	2010	Q2	\$ 37,926.39	\$ 1,857.51	0.55%	\$ 17.38	\$ 39,801.28	
			Jun-10	2010	Q2	\$ 39,783.90	\$ 2,380.42	0.55%	\$ 18.23	\$ 42,182.55	
			Jul-10	2010	Q3	\$ 42,164.32	\$ 2,445.67	0.89%	\$ 31.27	\$ 44,641.26	
			Aug-10	2010	Q3	\$ 44,609.99	\$ 2,712.40	0.89%	\$ 33.09	\$ 47,355.48	
			Sep-10	2010	Q3	\$ 47,322.39	\$ 2,473.82	0.89%	\$ 35.10	\$ 49,831.31	
			Oct-10	2010	Q4	\$ 49,796.21	\$ 2,673.85	1.20%	\$ 49.80	\$ 52,519.86	
			Nov-10	2010	Q4	\$ 52,470.06	\$ 2,483.62	1.20%	\$ 52.47	\$ 55,006.15	
			Dec-10	2010	Q4	\$ 54,953.68	\$ 2,673.25	1.20%	\$ 54.95	\$ 57,681.88	\$ 27,780.63
			Jan-11	2011	Q1	\$ 57,626.93	\$ 3,701.26	1.47%	\$ 70.59	\$ 61,398.78	
			Feb-11	2011	Q1	\$ 61,328.19	\$ 2,581.79	1.47%	\$ 75.13	\$ 63,985.11	
			Mar-11	2011	Q1	\$ 63,909.98	\$ 2,587.95	1.47%	\$ 78.29	\$ 66,576.22	
			Apr-11	2011	Q2	\$ 66,497.93	\$ 2,587.47	1.47%	\$ 81.46	\$ 69,166.86	
			May-11	2011	Q2	\$ 69,085.40	\$ 2,580.69	1.47%	\$ 84.63	\$ 71,750.72	
			Jun-11	2011	Q2	\$ 71,666.09	\$ 2,592.32	1.47%	\$ 87.79	\$ 74,346.20	
			Jul-11	2011	Q3	\$ 74,258.41	\$ 2,590.42	1.47%	\$ 90.97	\$ 76,939.80	
			Aug-11	2011	Q3	\$ 76,848.83	\$ 2,585.95	1.47%	\$ 94.14	\$ 79,528.92	
			Sep-11	2011	Q3	\$ 79,434.78	\$ 2,613.45	1.47%	\$ 97.31	\$ 82,145.54	



Ontario Energy Board

Smart Meter Model

Cooperative Hydro Embrun 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			Closing Balance	Annual amounts
			Date	Year	Quarter	(Principal)	Revenues	Rate	Interest			
			Oct-11	2011	Q4	\$ 82,048.23	\$ 2,594.05	1.47%	\$ 100.51	\$	84,742.79	
			Nov-11	2011	Q4	\$ 84,642.28	\$ 2,594.15	1.47%	\$ 103.69	\$	87,340.12	
			Dec-11	2011	Q4	\$ 87,236.43	\$ 2,580.72	1.47%	\$ 106.86	\$	89,924.01	\$ 33,261.59
			Jan-12	2012	Q1	\$ 89,817.15	\$ 2,600.00	1.47%	\$ 110.03	\$	92,527.18	
			Feb-12	2012	Q1	\$ 92,417.15	\$ 2,600.00	1.47%	\$ 113.21	\$	95,130.36	
			Mar-12	2012	Q1	\$ 95,017.15	\$ 2,600.00	1.47%	\$ 116.40	\$	97,733.55	
			Apr-12	2012	Q2	\$ 97,617.15	\$ 2,600.00	1.47%	\$ 119.58	\$	100,336.73	
			May-12	2012	Q2	\$ 100,217.15		1.47%	\$ 122.77	\$	100,339.92	
			Jun-12	2012	Q2	\$ 100,217.15		1.47%	\$ 122.77	\$	100,339.92	
			Jul-12	2012	Q3	\$ 100,217.15		0.00%	\$ -	\$	100,217.15	
			Aug-12	2012	Q3	\$ 100,217.15		0.00%	\$ -	\$	100,217.15	
			Sep-12	2012	Q3	\$ 100,217.15		0.00%	\$ -	\$	100,217.15	
			Oct-12	2012	Q4	\$ 100,217.15		0.00%	\$ -	\$	100,217.15	
			Nov-12	2012	Q4	\$ 100,217.15		0.00%	\$ -	\$	100,217.15	
			Dec-12	2012	Q4	\$ 100,217.15		0.00%	\$ -	\$	100,217.15	\$ 11,104.76
Total Funding Adder Revenues Collected							\$ 100,217.15		\$ 3,053.17	\$	103,270.32	\$ 103,270.32



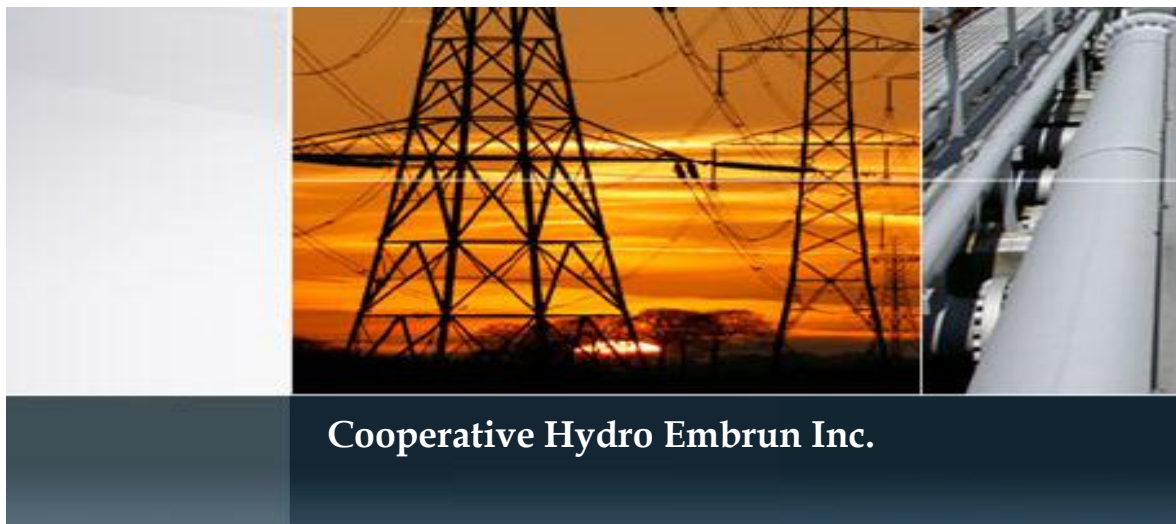
**Board Approved
Smart Meter Funding
Adder (from Tariff)**

[illegible]



**Board Approved
Smart Meter Funding
Adder (from Tariff)**

[illegible]



This worksheet calculates the interest on OM&A and amortization/depr

Account 1556 - Su

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

2011 Q4	1.47%	4.29%		Dec-07	2007	Q4	-
2012 Q1	1.47%	4.29%		Jan-08	2008	Q1	-
2012 Q2	1.47%	4.29%		Feb-08	2008	Q1	-
2012 Q3	0.00%	4.29%		Mar-08	2008	Q1	-
2012 Q4	0.00%	4.29%		Apr-08	2008	Q2	-
				May-08	2008	Q2	-
				Jun-08	2008	Q2	-
				Jul-08	2008	Q3	-
				Aug-08	2008	Q3	-
				Sep-08	2008	Q3	-
				Oct-08	2008	Q4	-
				Nov-08	2008	Q4	-
				Dec-08	2008	Q4	-
				Jan-09	2009	Q1	-
				Feb-09	2009	Q1	-
				Mar-09	2009	Q1	-
				Apr-09	2009	Q2	-
				May-09	2009	Q2	-
				Jun-09	2009	Q2	-
				Jul-09	2009	Q3	-
				Aug-09	2009	Q3	-
				Sep-09	2009	Q3	-
				Oct-09	2009	Q4	-
				Nov-09	2009	Q4	-
				Dec-09	2009	Q4	-
				Jan-10	2010	Q1	-
				Feb-10	2010	Q1	-
				Mar-10	2010	Q1	-
				Apr-10	2010	Q2	-
				May-10	2010	Q2	-
				Jun-10	2010	Q2	-
				Jul-10	2010	Q3	-
				Aug-10	2010	Q3	-
				Sep-10	2010	Q3	-
				Oct-10	2010	Q4	-
				Nov-10	2010	Q4	-
				Dec-10	2010	Q4	-
				Jan-11	2011	Q1	-
				Feb-11	2011	Q1	-
				Mar-11	2011	Q1	-
				Apr-11	2011	Q2	-
				May-11	2011	Q2	-
				Jun-11	2011	Q2	-
				Jul-11	2011	Q3	-
				Aug-11	2011	Q3	-
				Sep-11	2011	Q3	-
				Oct-11	2011	Q4	-
				Nov-11	2011	Q4	-
				Dec-11	2011	Q4	-

	Jan-12	2012	Q1	-
	Feb-12	2012	Q1	-
	Mar-12	2012	Q1	-
	Apr-12	2012	Q2	-
	May-12	2012	Q2	-
	Jun-12	2012	Q2	-
	Jul-12	2012	Q3	-
	Aug-12	2012	Q3	-
	Sep-12	2012	Q3	-
	Oct-12	2012	Q4	-
	Nov-12	2012	Q4	-
	Dec-12	2012	Q4	-



preciation expense, based on monthly data.

b-accounts Operating Expenses, Amortization Expenses, Carrying Charges

OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
		-	0.00%	-	-
		-	0.00%	-	-
		-	0.00%	-	-
		-	4.14%	-	-
		-	4.14%	-	-
		-	4.14%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	4.59%	-	-
		-	5.14%	-	-
		-	5.14%	-	-

\$

-

\$

-

\$

-	1.47%	-	-
-	1.47%	-	-
-	1.47%	-	-
-	1.47%	-	-
-	1.47%	-	-
-	1.47%	-	-
-	0.00%	-	-
-	0.00%	-	-
-	0.00%	-	-
-	0.00%	-	-
-	0.00%	-	-
-	0.00%	-	-

-





This worksheet calculates the interest on OM&A and amortization/depreciation expen

Year	OM&A (from Sheet 5)		Amortization Expense (from Sheet 5)		Cumulative OM&A and Amortization Expense	
2006	\$	-	\$	-	\$	-
2007	\$	-	\$	-	\$	-
2008	\$	-	\$	-	\$	-
2009	\$	-	\$	9,916.60	\$	9,916.60
2010	\$	-	\$	20,404.46	\$	30,321.06
2011	\$	-	\$	21,038.50	\$	51,359.56
2012	\$	-	\$	21,101.28	\$	72,460.84

Cumulative Interest to 2011

Cumulative Interest to 2012



use, in the absence of monthly data.

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
\$ -	4.37%	\$ -
\$ -	4.73%	\$ -
\$ -	3.98%	\$ -
\$ 4,958.30	1.14%	\$ 56.40
\$ 20,118.83	0.80%	\$ 160.45
\$ 40,840.31	1.47%	\$ 600.35
\$ 61,910.20	1.47%	\$ 910.08
		\$ 817.20
		\$ 1,727.28





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

Check if applicable

- ☐ Smart Meter Funding Adder (SMFA)
- ☒ Smart Meter Disposition Rider (SMDR)

The SMDR is calculated based on costs to December 31, 2011
- ☒ Smart Meter Incremental Revenue Requirement Rate Rider (SMIRR)

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

	2006	2007	2008	2009	2010	2011	2012 and later	Total
Deferred and forecasted Smart Meter Incremental Revenue Requirement (from Sheet 5)	\$ -	\$ -	\$ -	\$ 21,919.92	\$ 42,888.92	\$ 41,851.03	\$ 39,710.27	\$ 146,370.15
Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check one of the boxes below)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
<input checked="" type="checkbox"/> Sheet 8A (Interest calculated on monthly balances)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
<input type="checkbox"/> Sheet 8B (Interest calculated on average annual balances)								\$ -
SMFA Revenues (from Sheet 8)	\$ 2,659.19	\$ 5,952.44	\$ 6,134.11	\$ 15,453.44	\$ 27,427.75	\$ 32,190.22	\$ 10,400.00	\$ 100,217.15
SMFA Interest (from Sheet 8)	\$ 22.89	\$ 258.10	\$ 443.29	\$ 199.88	\$ 352.88	\$ 1,071.37	\$ 704.76	\$ 3,053.17
Net Deferred Revenue Requirement	-\$ 2,682.08	-\$ 6,210.54	-\$ 6,577.40	\$ 6,266.60	\$ 15,108.29	\$ 8,589.44	\$ 28,605.51	\$ 43,099.83
Number of Metered Customers (average for 2012 test year)							1958	

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

Years for collection or refunding	1	
Deferred Incremental Revenue Requirement from 2006 to December 31, 2011 plus Interest on OM&A and Amortization	\$ 106,659.88	
SMFA Revenues collected from 2006 to 2012 test year (inclusive) Plus Simple Interest on SMFA Revenues	\$ 103,270.32	
Net Deferred Revenue Requirement	\$ 3,389.56	Match
SMDR May 1, 2012 to April 30, 2013	\$ 0.14	
Check: Forecasted SMDR Revenues	\$ 3,289.44	

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

Incremental Revenue Requirement for 2012	\$ 39,710.27	Match
SMIRR	\$ 1.69	

Check: Forecasted SMIRR Revenues

\$ 39,708.24

