



## PETERBOROUGH DISTRIBUTION INC.

1867 Ashburnham Drive, PO Box 4125, Station Main  
Peterborough ON, K9J 6Z5

June 21, 2012

Ms. Kirsten Walli  
Board Secretary  
Ontario Energy Board  
2300 Yonge Street, Suite 2700  
Toronto, Ontario  
M4P 1E4

Dear Ms. Walli

**Peterborough Distribution Inc.  
2012 Smart Meter Cost Recovery  
Draft Rate Order  
Board File No. EB-2012-0008**

Please find accompanying this letter two hard copies of Peterborough Distribution Inc. Draft Rate Order, which includes the updated Smart Meter Disposition Riders ("SMDRs") and Smart Meter Incremental Revenue Requirement Rate Riders ("SMIRRs"). A draft tariff of rates and charges has also been enclosed in accordance with the Board's Decision and Order dated June 14, 2012.

Copies of this document have been provided to the Vulnerable Energy Consumers' Coalition ("VECC") as required in the Decision and Order.

Yours truly,

A handwritten signature in black ink, appearing to be "BT", with a long horizontal stroke extending to the right.

Byron Thompson  
Chief Financial Officer  
Peterborough Distribution Inc.  
Telephone (705) 748-9301 ext 1283  
Fax (705) 748-4358  
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**DRAFT RATE ORDER**  
**2012 Smart Meter Cost Recovery**  
**Peterborough Distribution Incorporated (“PDI”)**  
**EB-2012-0008**

**Smart Meter Installations Prior to Authorization**

In the Board’s June 14<sup>th</sup> Decision and Order the Board considered the eligibility of \$476,351 of costs incurred to install 3,303 smart meters prior to PDI’s approval date of June 25, 2008. These 3,303 meters were made up of smart meters acquired for Conservation and Demand Management (“CDM”) and smart meters installed as replacements and new installations.

The Board considered the eligibility of each type of installation separately and found the metering activates related to CDM activities, being 120 social housing units and 75 load shifting devices to authorized and eligible costs to be recovered from ratepayers.

With regard to smart meters installed for replacements and new installations the Board found that PDI did not act prudently and “will not allow costs associated with the early purchase and installation of these assets to be recovered from ratepayers”. The Board will not allow the recovery of costs associated with costs of capital, depreciation costs, and carrying costs or PILs prior to June 25, 2008.

The Board also found that is appropriate to account for these assets in the rate base commencing from the date that PDI was authorized to invest in them. Accordingly for rate making purposes, the remaining unamortized costs of these assets as of June 25, 2008 will be eligible for collection from rate payers.

In accordance with Board decisions, the only eligible meter costs prior to the approval date will be CDM smart meters. CDM smart meter costs for 2006 and 2007 are \$16,063 and \$7,052 respectively, as provided in the table below.

The information in this table is consistent with the information provided by PDI in response to Staff Interrogatory question 7 and VECC interrogatory question 6.

<b>Meters and Meter Cost prior to Authorization</b>				
<b>Year</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>Total</b>
<b>Meters</b>				
Residential	1,088	1,538	536	<b>3,162</b>
GS < 50 kW	55	86		<b>141</b>
<b>Total Meters</b> B	<b>1,143</b>	<b>1,624</b>	<b>536</b>	<b>3,303</b>
<b>Costs</b>				
Capital cost	\$ 203,878	\$ 208,622	\$ 63,851	<b>\$ 476,351</b>
Operating costs	-	-	-	-
<b>Total costs</b> A	<b>\$ 203,878</b>	<b>\$ 208,622</b>	<b>\$ 63,851</b>	<b>\$ 476,351</b>
<b>Avg Cost Per year - All Meters</b> A / B	\$ 178.37	\$ 128.46	\$ 119.13	\$ 144.22
<b>Avg Cost Per year - Residential</b> C ( Response to VECC, Question 6)	\$ 133.86	\$ 94.03		
<b>Eligible Meters-CDM</b> D	120	75	0	195
Cost of Eligible Meters - CDM C*D	\$ 16,063	\$ 7,052	\$ -	\$ 23,115
Cost - Restricted Prior to June 25, 2008	\$ 187,815	\$ 201,570	\$ 63,851	\$ 453,236
<b>Total costs</b>	<b>\$ 203,878</b>	<b>\$ 208,622</b>	<b>\$ 63,851</b>	<b>\$ 476,351</b>

### **Smart Meter Disposition Riders (SMDRs)**

To recalculate the SMDRs in accordance with the Board decision, the Smart Meter Model was updated for 2006 through 2008 to remove replacement and new installation smart meters prior to June 25, 2008, leaving only eligible CDM meter costs as detailed above.

For 2008, the unamortized value of previously ineligible meter costs have been treated as a current year addition in the Model to reflect June 25, 2008 approval and eligibility in accordance with the Board Decision. The updated Smart Meter Model has been provided in Appendix B.

For 2009 and later, the components that determine PDI's revenue requirement in the SMDR calculation should be the same as previously calculated in the Smart Meter Model provided during Board Staff interrogatories, and provided in Appendix C.

Since the resulting SMDRs is a combination of more than one smart meter model a detailed schedule for the revenue components in the SMDR table below has been provided for the Board's convenience in Appendix A.

The resulting SMDRs cost allocation as follows:

Smart Meter Actual Cost Recovery Rate Rider - SMDR Calculated by Rate Class			
	Total	Residential	GS < 50
<b>Allocators</b>			
Direct Meter Cost - \$'s	\$ 3,820,478	\$ 2,729,211	\$ 1,091,267
Direct Meter Cost - %	100.00%	71.40%	28.60%
Number of meters installed	34,967	31,375	3,592
Number of meters installed	100.00%	89.73%	10.27%
Return on Equity	\$ 886,153	\$ 632,713	\$ 253,440
Amortization	\$ 1,051,968	\$ 751,105	\$ 300,863
OM&A	\$ 172,347	\$ 154,643	\$ 17,704
Total Before PILs	\$ 2,110,468	\$ 1,538,461	\$ 572,007
PILs	\$ 107,908	\$ 78,661	\$ 29,247
Total Revenue Requirement 2006 to 2011	\$ 2,218,376	\$ 1,617,122	\$ 601,254
	100.00%	72.90%	27.10%
Smart Meter Rate Adder Revenues	(\$1,476,419)	(\$1,315,503)	(\$160,916)
Carrying Charge	(\$61,142)	(\$54,478)	(\$6,664)
Smart Meter True-up	\$ 680,816	\$ 247,142	\$ 433,674
Metered Customers	34,967	31,375	3,592
Rate Rider to Recover Smart Meter Costs - 22 Months	\$ 0.89	\$ 0.36	\$ 5.49

### **Smart Meter Incremental Revenue Requirement Rate Rider**

Since the SMIRR is based on the 2012 costs and amortization schedules, the SMIRR cost allocation will be the same as that provided by PDI in its interrogatories, based on the previous Smart Meter Model, included in Appendix C. The previously provided SMIRR schedule has been updated to reflect a recovery period of 10 months instead of 12.

<b>Smart Meter Actual Cost Recovery Rate Rider - SMIRR</b>			
<b>Calculated by Rate Class</b>			
	<b>Total</b>	<b>Residential</b>	<b>GS &lt; 50</b>
<b>Allocators</b>			
Direct Meter Cost - \$'s	\$ 3,820,478	\$ 2,729,211	\$ 1,091,267
Direct Meter Cost - %	100.00%	71.44%	28.56%
Number of meters installed	34,967	31,375	3,592
Number of meters installed	100.00%	89.73%	10.27%
Total Return (deemed interest plus return on equity)	\$ 294,429	\$ 210,329	\$ 84,100
Amortization	\$ 410,764	\$ 293,435	\$ 117,329
OM&A	\$ -	\$ -	\$ -
Total Before PILs	\$ 705,193	\$ 503,764	\$ 201,429
PILs	\$ 65,363	\$ 46,693	\$ 18,670
Total Revenue Requirement 2006 to 2011	\$ 770,556	\$ 550,457	\$ 220,099
	100.00%	71.44%	28.56%
Smart Meter Rate Adder Revenues	\$0		
Carrying Charge	\$0		
Smart Meter True-up	\$ 770,556	\$ 550,457	\$ 220,099
Metered Customers	34,967	31,375	3,592
Rate Rider to Recover Smart Meter Costs -10 months	\$ 2.20	\$ 1.75	\$ 6.13

A draft tariff of rates and charges, including SMDRs and SMIRR as calculated above is provided in Appendix D.

**APPENDIX A**Peterborough Distribution Inc.  
EB-2012-0008**SMDRs - Revenue Requirement components**

<u>Return on Capital</u>		Model
2006	584	June
2007	1,384	June
2008	37,517	June
2009	198,459	March
2010	328,605	March
2011	319,604	March
	<u>886,153</u>	

<u>Amortization</u>		
2006	535	June
2007	1,306	June
2008	35,759	June
2009	220,165	March
2010	386,562	March
2011	407,641	March
	<u>1,051,968</u>	

<u>OM&amp;A</u>		
2006		June
2007		June
2008		June
2009	81,649	March
2010	90,698	March
2011		March
	<u>172,347</u>	

<u>PILS</u>		
2006	184	June
2007	397	June
2008	8538	June
2009	19,599	March
2010	26,977	March
2011	52,213	March
	<u>107,908</u>	

**SMART METER MODEL**

Rev = 20120621

- Model updated to remove Meter costs prior to Approval
- The unamortized balance of 2006 and 2007 meter costs are treated as additions in 2008

## Appendix B - June Model

V 2.17



Ontario Energy Board

Smart Meter Model

### Choose Your Utility:

Peterborough Distribution Incorporated

PowerStream Inc. - Barrie

### Application Contact Information

Name: Byron Thompson

Title: Chief Financial Officer

Phone Number: 705-748-9301 ext 1283

Email Address: bthompson@peterboroughutilities.ca

We are applying for rates effective: May 1, 2012

Last COS Re-based Year: 2009

### Legend

DROP-DOWN MENU

INPUT FIELD

CALCULATION FIELD

### Copyright

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

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





Ontario Energy Board

### Smart Meter Model

## Appendix B - June Model

### Peterborough Distribution Incorporated

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

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

#### Smart Meter Capital Cost and Operational Expense Data

##### Smart Meter Installation Plan

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

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Forecast	2012 and later Forecast	Total
Residential	120	70	3,525	26,811	545	295	9	31375
General Service < 50 kW	0	0	210	2,001	1,120	203	58	3592
Actual/Planned number of Smart Meters installed (Residential and GS < 50 kW only)	120	70	3735	28812	1665	498	67	34967
Percentage of Residential and GS < 50 kW Smart Meter Installations Completed	0.34%	0.54%	11.22%	93.62%	98.38%	99.81%	100.00%	100.00%
Actual/Planned number of GS > 50 kW meters installed	0	0	3	14	108	28	243	396
Other (please identify)								0
Total Number of Smart Meters installed or planned to be installed	120	70	3738	28826	1773	526	310	35363

#### 1 Capital Costs

##### 1.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

1.1.1 Smart Meters (may include new meters and modules, etc.)

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
Smart Meter	14,796	5,333	710,125	2,808,802	408,303	50,738		\$ 3,998,097
Smart Meter	1,267	1,719	241,708	468,104	23,594	4,590		\$ 740,982
								\$ -
								\$ -
Total Advanced Metering Communications Devices (AMCD)	\$ 16,063	\$ 7,052	\$ 951,833	\$ 3,276,906	\$ 431,897	\$ 55,328	\$ -	\$ 4,739,079

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

1.2.1 Collectors

1.2.2 Repeaters (may include radio licence, etc.)

1.2.3 Installation (may include meter seals and rings, collector computer hardware, etc.)

Asset Type	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
Smart Meter		0	20,656	160,303				\$ 180,959
								\$ -
Smart Meter				59,505				\$ 59,505
Total Advanced Metering Regional Collector (AMRC) (Includes LAN)	\$ -	\$ -	\$ 20,656	\$ 219,808	\$ -	\$ -	\$ -	\$ 240,464

### 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	Forecast	Forecast	
Computer Hardware			11,200	17,767	15,910			\$ 44,877
Computer Software				195,498	19,125			\$ 214,623
								\$ -
	\$ -	\$ -	\$ 11,200	\$ 213,265	\$ 35,035	\$ -	\$ -	\$ 259,500

### 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	Forecast	Forecast	
Computer Software				43,560				\$ 43,560
	\$ -	\$ -	\$ -	\$ 43,560	\$ -	\$ -	\$ -	\$ 43,560

### 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	Forecast	Forecast	
Smart Meter				15,998	928	375		\$ 17,301
Computer Software				9,703				\$ 9,703
Smart Meter			20,452	72,661	726	11,307		\$ 105,146
								\$ -
Smart Meter				68,301		26,693		\$ 94,994
								\$ -
	\$ -	\$ -	\$ 20,452	\$ 166,663	\$ 1,654	\$ 38,375	\$ -	\$ 227,144
	\$ 16,063	\$ 7,052	\$ 1,004,141	\$ 3,920,202	\$ 468,586	\$ 93,703	\$ -	\$ 5,509,747

### 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	Forecast	Forecast	
								\$ -
								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 16,063	\$ 7,052	\$ 1,004,141	\$ 3,920,202	\$ 468,586	\$ 93,703	\$ -	\$ 5,509,747

## 2 OM&A Expenses

### 2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

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

2.1.2 Other (please specify)

#### Total Incremental AMCD OM&A Costs

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

2.2.1 Maintenance

2.2.2 Other (please specify)

#### Total Incremental AMRC OM&A Costs

### 2.3 ADVANCED METERING CONTROL COMPUTER (AMCC)

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

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

2.3.2 Other (please specify)

#### Total Incremental AMCC OM&A Costs

### 2.4 WIDE AREA NETWORK (WAN)

2.4.1 WAN Maintenance

2.4.2 Other (please specify)

#### Total Incremental AMRC OM&A Costs

### 2.5 OTHER AMI OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY

2.5.1 Business Process Redesign

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

2.5.3 Program Management

2.5.4 Change Management (may include training, etc.)

2.5.5 Administration Costs

2.5.6 Other AMI Expenses

(please specify)

#### Total Other AMI OM&A Costs Related to Minimum Functionality

### TOTAL OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY

### 2.6 OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY

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

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

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

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

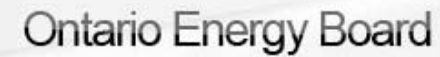
#### Total OM&A Costs Beyond Minimum Functionality

### Total Smart Meter OM&A Costs

	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
				31,093				\$ 31,093
								\$ -
	\$ -	\$ -	\$ -	\$ 31,093	\$ -	\$ -	\$ -	\$ 31,093
				10,177				\$ 10,177
								\$ -
	\$ -	\$ -	\$ -	\$ 10,177	\$ -	\$ -	\$ -	\$ 10,177
								\$ -
				1,502	20,845			\$ 22,347
								\$ -
	\$ -	\$ -	\$ -	\$ 1,502	\$ 20,845	\$ -	\$ -	\$ 22,347
								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
								\$ -
								\$ -
								\$ -
				38,877	69,853			\$ 108,730
								\$ -
	\$ -	\$ -	\$ -	\$ 38,877	\$ 69,853	\$ -	\$ -	\$ 108,730
	\$ -	\$ -	\$ -	\$ 81,649	\$ 90,698	\$ -	\$ -	\$ 172,347
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast		
								\$ -
								\$ -
								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ 81,649	\$ 90,698	\$ -	\$ -	\$ 172,347

### 3 Aggregate Smart Meter Costs by Category

3.1	Capital																
3.1.1	Smart Meter	\$	16,063	\$	7,052	\$	992,941	\$	3,653,674	\$	433,551	\$	93,703	\$	-	\$	5,196,984
3.1.2	Computer Hardware	\$	-	\$	-	\$	11,200	\$	17,767	\$	15,910	\$	-	\$	-	\$	44,877
3.1.3	Computer Software	\$	-	\$	-	\$	-	\$	248,761	\$	19,125	\$	-	\$	-	\$	267,886
3.1.4	Tools & Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3.1.5	Other Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3.1.6	Applications Software	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3.1.7	Total Capital Costs	\$	16,063	\$	7,052	\$	1,004,141	\$	3,920,202	\$	468,586	\$	93,703	\$	-	\$	5,509,747
3.2	OM&A Costs																
3.2.1	Total OM&A Costs	\$	-	\$	-	\$	-	\$	81,649	\$	90,698	\$	-	\$	-	\$	172,347



	2006	2007	2008	2009	2010	2011	2012 and later
<b>Cost of Capital</b>							
<b>Capital Structure<sup>1</sup></b>							
Deemed Short-term Debt Capitalization			0.0%	4.0%	4.0%	4.0%	4.0%
Deemed Long-term Debt Capitalization	50.0%	50.0%	53.3%	52.7%	56.0%	56.0%	56.0%
Deemed Equity Capitalization	50.0%	50.0%	46.7%	43.3%	40.0%	40.0%	40.0%
Preferred Shares	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Total</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<b>Cost of Capital Parameters</b>							
Deemed Short-term Debt Rate			4.50%	1.33%	1.33%	1.33%	1.33%
Long-term Debt Rate (actual/embedded/deemed) <sup>2</sup>	6.04%	6.04%	6.04%	6.59%	6.59%	6.59%	6.59%
Target Return on Equity (ROE)	9.0%	9.00%	9.00%	8.01%	8.01%	8.01%	8.01%
Return on Preferred Shares	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>WACC</b>	7.52%	7.52%	7.42%	6.99%	6.95%	6.95%	6.95%
<b>Working Capital Allowance</b>							
Working Capital Allowance Rate	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
(% of the sum of Cost of Power + controllable expenses)							

**Taxes/PILs**

Aggregate Corporate Income Tax Rate  
 Capital Tax (until July 1st, 2010)

36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
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  
 - rate (%)  
 Computer Hardware - years  
 - rate (%)  
 Computer Software - years  
 - rate (%)  
 Tools & Equipment - years  
 - rate (%)  
 Other Equipment - years  
 - rate (%)

15	15	15	15	15	15	15
6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%
5	5	5	5	5	5	5
20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
5	5	5	5	5	5	5
20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

**CCA Rates**

Smart Meters - CCA Class  
 Smart Meters - CCA Rate

47	47	47	47	47	47	47
8%	8%	8%	8%	8%	8%	8%

Computer Equipment - CCA Class  
 Computer Equipment - CCA Rate

45	50	50	50	50	50	50
45%	55%	55%	55%	55%	55%	55%

General Equipment - CCA Class  
 General Equipment - CCA Rate


Applications Software - CCA Class  
 Applications Software - CCA Rate

45	50	50	50	50	50	50
45%	55%	55%	55%	55%	55%	55%

**Assumptions**

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



Ontario Energy Board

Smart Meter Model

Peterborough Distribution Incorporated

	2006	2007	2008	2009	2010	2011	2012 and later
<b>Net Fixed Assets - Smart Meters</b>							
<b>Gross Book Value</b>							
Opening Balance		\$ 16,063	\$ 23,115	\$ 1,016,056	\$ 4,669,730	\$ 5,103,281	\$ 5,196,984
Capital Additions during year (from Smart Meter Costs)	\$ 16,063	\$ 7,052	\$ 992,941	\$ 3,653,674	\$ 433,551	\$ 93,703	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ 16,063	\$ 23,115	\$ 1,016,056	\$ 4,669,730	\$ 5,103,281	\$ 5,196,984	\$ 5,196,984
<b>Accumulated Depreciation</b>							
Opening Balance		-\$ 535	-\$ 1,841	-\$ 36,480	-\$ 226,007	-\$ 551,774	-\$ 895,116
Amortization expense during year	-\$ 535	-\$ 1,306	-\$ 34,639	-\$ 189,526	-\$ 325,767	-\$ 343,342	-\$ 346,466
Retirements/Removals (if applicable)							
Closing Balance	-\$ 535	-\$ 1,841	-\$ 36,480	-\$ 226,007	-\$ 551,774	-\$ 895,116	-\$ 1,241,581
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ 15,528	\$ 21,274	\$ 979,576	\$ 4,443,723	\$ 4,551,507	\$ 4,301,868
Closing Balance	\$ 15,528	\$ 21,274	\$ 979,576	\$ 4,443,723	\$ 4,551,507	\$ 4,301,868	\$ 3,955,403
Average Net Book Value	\$ 7,764	\$ 18,401	\$ 500,425	\$ 2,711,650	\$ 4,497,615	\$ 4,426,688	\$ 4,128,635
<b>Net Fixed Assets - Computer Hardware</b>							
<b>Gross Book Value</b>							
Opening Balance		\$ -	\$ -	\$ 11,200	\$ 28,967	\$ 44,877	\$ 44,877
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ 11,200	\$ 17,767	\$ 15,910	\$ -	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ 11,200	\$ 28,967	\$ 44,877	\$ 44,877	\$ 44,877
<b>Accumulated Depreciation</b>							
Opening Balance	\$ -	\$ -	\$ -	-\$ 1,120	-\$ 5,137	-\$ 12,521	-\$ 21,497
Amortization expense during year	\$ -	\$ -	-\$ 1,120	-\$ 4,017	-\$ 7,384	-\$ 8,975	-\$ 8,975
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	-\$ 1,120	-\$ 5,137	-\$ 12,521	-\$ 21,497	-\$ 30,472
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ 10,080	\$ 23,830	\$ 32,356	\$ 23,381
Closing Balance	\$ -	\$ -	\$ 10,080	\$ 23,830	\$ 32,356	\$ 23,381	\$ 14,405
Average Net Book Value	\$ -	\$ -	\$ 5,040	\$ 16,955	\$ 28,093	\$ 27,868	\$ 18,893
<b>Net Fixed Assets - Computer Software (including Applications Software)</b>							
<b>Gross Book Value</b>							
Opening Balance		\$ -	\$ -	\$ -	\$ 248,761	\$ 267,886	\$ 267,886
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 248,761	\$ 19,125	\$ -	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 248,761	\$ 267,886	\$ 267,886	\$ 267,886
<b>Accumulated Depreciation</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	-\$ 24,876	-\$ 76,541	-\$ 130,118
Amortization expense during year	\$ -	\$ -	\$ -	-\$ 24,876	-\$ 51,665	-\$ 53,577	-\$ 53,577
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	-\$ 24,876	-\$ 76,541	-\$ 130,118	-\$ 183,695
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 223,885	\$ 191,345	\$ 137,768
Closing Balance	\$ -	\$ -	\$ -	\$ 223,885	\$ 191,345	\$ 137,768	\$ 84,191
Average Net Book Value	\$ -	\$ -	\$ -	\$ 111,942	\$ 207,615	\$ 164,557	\$ 110,979

Net Fixed Assets - Tools and Equipment

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

Net Fixed Assets - Other Equipment

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





Ontario Energy Board

Smart Meter Model

Appendix B - June  
Model

Peterborough Distribution Incorporated

	2006	2007	2008	2009	2010	2011	2012 and Later
<b>Average Net Fixed Asset Values (from Sheet 4)</b>							
Smart Meters	\$ 7,764	\$ 18,401	\$ 500,425	\$ 2,711,650	\$ 4,497,615	\$ 4,426,688	\$ 4,128,635
Computer Hardware	\$ -	\$ -	\$ 5,040	\$ 16,955	\$ 28,093	\$ 27,868	\$ 18,893
Computer Software	\$ -	\$ -	\$ -	\$ 111,942	\$ 207,615	\$ 164,557	\$ 110,979
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Net Fixed Assets</b>	<b>\$ 7,764</b>	<b>\$ 18,401</b>	<b>\$ 505,465</b>	<b>\$ 2,840,547</b>	<b>\$ 4,733,324</b>	<b>\$ 4,619,113</b>	<b>\$ 4,258,508</b>
<b>Working Capital</b>							
Operating Expenses (from Sheet 2)	\$ -	\$ -	\$ -	\$ 81,649	\$ 90,698	\$ -	\$ -
Working Capital Factor (from Sheet 3)	15%	15%	15%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ -	\$ -	\$ 12,247	\$ 13,605	\$ -	\$ -
<b>Incremental Smart Meter Rate Base</b>	<b>\$ 7,764</b>	<b>\$ 18,401</b>	<b>\$ 505,465</b>	<b>\$ 2,852,794</b>	<b>\$ 4,746,928</b>	<b>\$ 4,619,113</b>	<b>\$ 4,258,508</b>
<b>Return on Rate Base</b>							
<b>Capital Structure</b>							
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ 114,112	\$ 189,877	\$ 184,765	\$ 170,340
Deemed Long Term Debt	\$ 3,882	\$ 9,200	\$ 269,413	\$ 1,503,423	\$ 2,658,280	\$ 2,586,703	\$ 2,384,764
Equity	\$ 3,882	\$ 9,200	\$ 236,052	\$ 1,235,260	\$ 1,898,771	\$ 1,847,645	\$ 1,703,403
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Capitalization</b>	<b>\$ 7,764</b>	<b>\$ 18,401</b>	<b>\$ 505,465</b>	<b>\$ 2,852,794</b>	<b>\$ 4,746,928</b>	<b>\$ 4,619,113</b>	<b>\$ 4,258,508</b>
<b>Return on</b>							
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ 1,518	\$ 2,525	\$ 2,457	\$ 2,266
Deemed Long Term Debt	\$ 234	\$ 556	\$ 16,273	\$ 99,076	\$ 175,181	\$ 170,464	\$ 157,156
Equity	\$ 349	\$ 828	\$ 21,245	\$ 98,944	\$ 152,092	\$ 147,996	\$ 136,443
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Return on Capital</b>	<b>\$ 584</b>	<b>\$ 1,384</b>	<b>\$ 37,517</b>	<b>\$ 199,538</b>	<b>\$ 329,798</b>	<b>\$ 320,917</b>	<b>\$ 295,864</b>
<b>Operating Expenses</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 81,649</b>	<b>\$ 90,698</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Amortization Expenses (from Sheet 4)</b>							
Smart Meters	\$ 535	\$ 1,306	\$ 34,639	\$ 189,526	\$ 325,767	\$ 343,342	\$ 346,466
Computer Hardware	\$ -	\$ -	\$ 1,120	\$ 4,017	\$ 7,384	\$ 8,975	\$ 8,975
Computer Software	\$ -	\$ -	\$ -	\$ 24,876	\$ 51,665	\$ 53,577	\$ 53,577
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Amortization Expense in Year</b>	<b>\$ 535</b>	<b>\$ 1,306</b>	<b>\$ 35,759</b>	<b>\$ 218,419</b>	<b>\$ 384,816</b>	<b>\$ 405,895</b>	<b>\$ 409,018</b>
<b>Incremental Revenue Requirement before Taxes/PILs</b>	<b>\$ 1,119</b>	<b>\$ 2,690</b>	<b>\$ 73,276</b>	<b>\$ 499,606</b>	<b>\$ 805,312</b>	<b>\$ 726,812</b>	<b>\$ 704,882</b>
<b>Calculation of Taxable Income</b>							
Incremental Operating Expenses	\$ -	\$ -	\$ -	\$ 81,649	\$ 90,698	\$ -	\$ -
Amortization Expense	\$ 535	\$ 1,306	\$ 35,759	\$ 218,419	\$ 384,816	\$ 405,895	\$ 409,018
Interest Expense	\$ 234	\$ 556	\$ 16,273	\$ 100,593	\$ 177,706	\$ 172,921	\$ 159,421
<b>Net Income for Taxes/PILs</b>	<b>\$ 349</b>	<b>\$ 828</b>	<b>\$ 21,245</b>	<b>\$ 98,944</b>	<b>\$ 152,092</b>	<b>\$ 147,996</b>	<b>\$ 136,443</b>
<b>Grossed-up Taxes/PILs (from Sheet 7)</b>	<b>\$ 183.58</b>	<b>\$ 397.44</b>	<b>\$ 8,538.59</b>	<b>\$ 18,266.35</b>	<b>\$ 25,804.76</b>	<b>\$ 51,240.76</b>	<b>\$ 64,542.16</b>
<b>Revenue Requirement, including Grossed-up Taxes/PILs</b>	<b>\$ 1,303</b>	<b>\$ 3,087</b>	<b>\$ 81,815</b>	<b>\$ 517,872</b>	<b>\$ 831,116</b>	<b>\$ 778,053</b>	<b>\$ 769,424</b>



Ontario Energy Board

Smart Meter Model

Peterborough Distribution Incorporated

## For PILs Calculation

### UCC - Smart Meters

	2006 Audited Actua	2007 Audited Actua	2008 Audited Actua	2009 Audited Actua	2010 Audited Actua	2011 Forecast	2012 and later Forecast
Opening UCC	\$ -	\$ 15,420.48	\$ 20,956.76	\$ 972,503.58	\$ 4,402,230.33	\$ 4,466,260.87	\$ 4,198,914.88
Capital Additions	\$ 16,063.00	\$ 7,052.00	\$ 992,941.00	\$ 3,653,674.00	\$ 433,551.00	\$ 93,703.00	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ 16,063.00	\$ 22,472.48	\$ 1,013,897.76	\$ 4,626,177.58	\$ 4,835,781.33	\$ 4,559,963.87	\$ 4,198,914.88
Half Year Rule (1/2 Additions - Disposals)	\$ 8,031.50	\$ 3,526.00	\$ 496,470.50	\$ 1,826,837.00	\$ 216,775.50	\$ 46,851.50	\$ -
Reduced UCC	\$ 8,031.50	\$ 18,946.48	\$ 517,427.26	\$ 2,799,340.58	\$ 4,619,005.83	\$ 4,513,112.37	\$ 4,198,914.88
CCA Rate Class	47	47	47	47	47	47	47
CCA Rate	8%	8%	8%	8%	8%	8%	8%
CCA	\$ 642.52	\$ 1,515.72	\$ 41,394.18	\$ 223,947.25	\$ 369,520.47	\$ 361,048.99	\$ 335,913.19
Closing UCC	\$ 15,420.48	\$ 20,956.76	\$ 972,503.58	\$ 4,402,230.33	\$ 4,466,260.87	\$ 4,198,914.88	\$ 3,863,001.69

### UCC - Computer Equipment

	2006 Audited Actua	2007 Audited Actua	2008 Audited Actua	2009 Audited Actua	2010 Audited Actua	2011 Forecast	2012 and later Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ 8,120.00	\$ 196,886.80	\$ 113,999.44	\$ 51,299.75
Capital Additions Computer Hardware	\$ -	\$ -	\$ 11,200.00	\$ 17,767.00	\$ 15,910.00	\$ -	\$ -
Capital Additions Computer Software	\$ -	\$ -	\$ -	\$ 248,761.00	\$ 19,125.00	\$ -	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ 11,200.00	\$ 274,648.00	\$ 231,921.80	\$ 113,999.44	\$ 51,299.75
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ 5,600.00	\$ 133,264.00	\$ 17,517.50	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ 5,600.00	\$ 141,384.00	\$ 214,404.30	\$ 113,999.44	\$ 51,299.75
CCA Rate Class	45	50	50	50	50	50	50
CCA Rate	45%	55%	55%	55%	55%	55%	55%
CCA	\$ -	\$ -	\$ 3,080.00	\$ 77,761.20	\$ 117,922.37	\$ 62,699.69	\$ 28,214.86
Closing UCC	\$ -	\$ -	\$ 8,120.00	\$ 196,886.80	\$ 113,999.44	\$ 51,299.75	\$ 23,084.89

### UCC - General Equipment

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



## PILs Calculation

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Forecast	2012 and later Forecast
<b>INCOME TAX</b>							
Net Income	\$ 349.37	\$ 828.03	\$ 21,244.68	\$ 98,944.33	\$ 152,091.58	\$ 147,996.37	\$ 136,442.58
Amortization	\$ 535.43	\$ 1,305.93	\$ 35,759.03	\$ 218,419.00	\$ 384,816.13	\$ 405,894.77	\$ 409,018.20
CCA - Smart Meters	-\$ 642.52	-\$ 1,515.72	-\$ 41,394.18	-\$ 223,947.25	-\$ 369,520.47	-\$ 361,048.99	-\$ 335,913.19
CCA - Computers	\$ -	\$ -	\$ 3,080.00	-\$ 77,761.20	-\$ 117,922.37	-\$ 62,699.69	-\$ 28,214.86
CCA - Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Change in taxable income	\$ 242.28	\$ 618.24	\$ 12,529.53	\$ 15,654.88	\$ 49,464.88	\$ 130,142.46	\$ 181,332.73
Tax Rate (from Sheet 3)	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
Income Taxes Payable	\$ 87.51	\$ 223.31	\$ 4,197.39	\$ 5,166.11	\$ 15,334.11	\$ 36,765.24	\$ 47,599.84
<b>ONTARIO CAPITAL TAX</b>							
Smart Meters	\$ 15,527.57	\$ 21,273.63	\$ 979,575.60	\$ 4,443,723.40	\$ 4,551,507.37	\$ 4,301,868.20	\$ 3,955,402.60
Computer Hardware	\$ -	\$ -	\$ 10,080.00	\$ 23,830.30	\$ 32,355.90	\$ 23,380.50	\$ 14,405.10
Computer Software (Including Application Software)	\$ -	\$ -	\$ -	\$ 223,884.90	\$ 191,345.20	\$ 137,768.00	\$ 84,190.80
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Base	\$ 15,527.57	\$ 21,273.63	\$ 989,655.60	\$ 4,691,438.60	\$ 4,775,208.47	\$ 4,463,016.70	\$ 4,053,998.50
Less: Exemption							
Deemed Taxable Capital	\$ 15,527.57	\$ 21,273.63	\$ 989,655.60	\$ 4,691,438.60	\$ 4,775,208.47	\$ 4,463,016.70	\$ 4,053,998.50
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)	\$ 46.58	\$ 47.87	\$ 2,226.73	\$ 10,555.74	\$ 3,581.41	\$ -	\$ -
Change in Income Taxes Payable	\$ 87.51	\$ 223.31	\$ 4,197.39	\$ 5,166.11	\$ 15,334.11	\$ 36,765.24	\$ 47,599.84
Change in OCT	\$ 46.58	\$ 47.87	\$ 2,226.73	\$ 10,555.74	\$ 3,581.41	\$ -	\$ -
PILs	\$ 134.10	\$ 271.17	\$ 6,424.12	\$ 15,721.85	\$ 18,915.52	\$ 36,765.24	\$ 47,599.84
<b>Gross Up PILs</b>							
Tax Rate	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
Change in Income Taxes Payable	\$ 137.00	\$ 349.58	\$ 6,311.87	\$ 7,710.61	\$ 22,223.35	\$ 51,240.76	\$ 64,542.16
Change in OCT	\$ 46.58	\$ 47.87	\$ 2,226.73	\$ 10,555.74	\$ 3,581.41	\$ -	\$ -
PILs	\$ 183.58	\$ 397.44	\$ 8,538.59	\$ 18,266.35	\$ 25,804.76	\$ 51,240.76	\$ 64,542.16



Ontario Energy Board

Smart Meter Model

Peterborough Distribution Incorporated

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	\$ -	\$ 960.00	4.14%	\$ -	\$ 960.00		
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	\$ 960.00	\$ 7,589.00	4.14%	\$ 3.31	\$ 8,552.31		
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	\$ 8,549.00	\$ 8,611.00	4.59%	\$ 32.70	\$ 17,192.70		
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	\$ 17,160.00	\$ 9,093.00	4.59%	\$ 65.64	\$ 26,318.64		
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	\$ 26,253.00	\$ 8,663.00	4.59%	\$ 100.42	\$ 35,016.42		
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	\$ 34,916.00	\$ 8,353.00	4.59%	\$ 133.55	\$ 43,402.55		
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	\$ 43,269.00	\$ 8,965.00	4.59%	\$ 165.50	\$ 52,399.50		
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	\$ 52,234.00	\$ 8,153.00	4.59%	\$ 199.80	\$ 60,586.80	\$ 61,087.92	
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	\$ 60,387.00	\$ 9,449.00	4.59%	\$ 230.98	\$ 70,066.98		
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	\$ 69,836.00	\$ 8,085.00	4.59%	\$ 267.12	\$ 78,188.12		
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	\$ 77,921.00	\$ 9,071.00	4.59%	\$ 298.05	\$ 87,290.05		
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	\$ 86,992.00	\$ 8,750.00	4.59%	\$ 332.74	\$ 96,074.74		
2010 Q1	0.55%	4.34%	May-07	2007	Q2	\$ 95,742.00	\$ 8,753.00	4.59%	\$ 366.21	\$ 104,861.21		
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	\$ 104,495.00	\$ 8,720.00	4.59%	\$ 399.69	\$ 113,614.69		
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	\$ 113,215.00	\$ 8,744.00	4.59%	\$ 433.05	\$ 122,392.05		
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	\$ 121,959.00	\$ 9,099.00	4.59%	\$ 466.49	\$ 131,524.49		
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	\$ 131,058.00	\$ 8,038.00	4.59%	\$ 501.30	\$ 139,597.30		
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	\$ 139,096.00	\$ 9,487.00	5.14%	\$ 595.79	\$ 149,178.79		
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	\$ 148,583.00	\$ 8,446.00	5.14%	\$ 636.43	\$ 157,665.43		
2011 Q4	1.47%	4.29%	Dec-07	2007	Q4	\$ 157,029.00	\$ 8,160.00	5.14%	\$ 672.61	\$ 165,861.61	\$ 110,002.46	
2012 Q1	1.47%	4.29%	Jan-08	2008	Q1	\$ 165,189.00	\$ 9,858.00	5.14%	\$ 707.56	\$ 175,754.56		
2012 Q2	1.47%	4.29%	Feb-08	2008	Q1	\$ 175,047.00	\$ 8,139.00	5.14%	\$ 749.78	\$ 183,935.78		
2012 Q3	1.47%	4.29%	Mar-08	2008	Q1	\$ 183,186.00	\$ 8,035.00	5.14%	\$ 784.65	\$ 192,005.65		
2012 Q4	1.47%	4.29%	Apr-08	2008	Q2	\$ 191,221.00	\$ 9,639.00	4.08%	\$ 650.15	\$ 201,510.15		
			May-08	2008	Q2	\$ 200,860.00	\$ 8,833.00	4.08%	\$ 682.92	\$ 210,375.92		
			Jun-08	2008	Q2	\$ 209,693.00	\$ 8,822.00	4.08%	\$ 712.96	\$ 219,227.96		
			Jul-08	2008	Q3	\$ 218,515.00	\$ 9,141.00	3.35%	\$ 610.02	\$ 228,266.02		
			Aug-08	2008	Q3	\$ 227,656.00	\$ 8,810.00	3.35%	\$ 635.54	\$ 237,101.54		
			Sep-08	2008	Q3	\$ 236,466.00	\$ 8,558.00	3.35%	\$ 660.13	\$ 245,684.13		
			Oct-08	2008	Q4	\$ 245,024.00	\$ 8,875.00	3.35%	\$ 684.03	\$ 254,583.03		
			Nov-08	2008	Q4	\$ 253,899.00	\$ 8,560.00	3.35%	\$ 708.80	\$ 263,167.80		
			Dec-08	2008	Q4	\$ 262,459.00	\$ 8,907.00	3.35%	\$ 732.70	\$ 272,098.70	\$ 114,496.24	
			Jan-09	2009	Q1	\$ 271,366.00	\$ 9,217.00	2.45%	\$ 554.04	\$ 281,137.04		
			Feb-09	2009	Q1	\$ 280,583.00	\$ 8,107.00	2.45%	\$ 572.86	\$ 289,262.86		
			Mar-09	2009	Q1	\$ 288,690.00	\$ 9,728.00	2.45%	\$ 589.41	\$ 299,007.41		
			Apr-09	2009	Q2	\$ 298,418.00	\$ 8,605.00	1.00%	\$ 248.68	\$ 307,271.68		
			May-09	2009	Q2	\$ 307,023.00	\$ 8,416.00	1.00%	\$ 255.85	\$ 315,694.85		
			Jun-09	2009	Q2	\$ 315,439.00	\$ 9,713.00	1.00%	\$ 262.87	\$ 325,414.87		
			Jul-09	2009	Q3	\$ 325,152.00	\$ 12,832.00	0.55%	\$ 149.03	\$ 338,133.03		
			Aug-09	2009	Q3	\$ 337,984.00	\$ 30,388.00	0.55%	\$ 154.91	\$ 368,526.91		
			Sep-09	2009	Q3	\$ 368,372.00	\$ 32,803.00	0.55%	\$ 168.84	\$ 401,343.84		
			Oct-09	2009	Q4	\$ 401,175.00	\$ 34,503.00	0.55%	\$ 183.87	\$ 435,861.87		
			Nov-09	2009	Q4	\$ 435,678.00	\$ 32,675.00	0.55%	\$ 199.69	\$ 468,552.69		
			Dec-09	2009	Q4	\$ 468,353.00	\$ 34,606.00	0.55%	\$ 214.66	\$ 503,173.66	\$ 235,147.71	
			Jan-10	2010	Q1	\$ 502,959.00	\$ 34,742.00	0.55%	\$ 230.52	\$ 537,931.52		
			Feb-10	2010	Q1	\$ 537,701.00	\$ 29,228.00	0.55%	\$ 246.45	\$ 567,175.45		
			Mar-10	2010	Q1	\$ 566,929.00	\$ 40,221.00	0.55%	\$ 259.84	\$ 607,409.84		
			Apr-10	2010	Q2	\$ 607,150.00	\$ 31,128.00	0.55%	\$ 278.28	\$ 638,556.28		
			May-10	2010	Q2	\$ 638,278.00	\$ 33,022.00	0.55%	\$ 292.54	\$ 671,592.54		
			Jun-10	2010	Q2	\$ 671,300.00	\$ 36,438.00	0.55%	\$ 307.68	\$ 708,045.68		
			Jul-10	2010	Q3	\$ 707,738.00	\$ 34,627.00	0.89%	\$ 524.91	\$ 742,889.91		
			Aug-10	2010	Q3	\$ 742,365.00	\$ 34,697.00	0.89%	\$ 550.59	\$ 777,612.59		
			Sep-10	2010	Q3	\$ 777,062.00	\$ 34,713.00	0.89%	\$ 576.32	\$ 812,351.32		
			Oct-10	2010	Q4	\$ 811,775.00	\$ 33,072.00	1.20%	\$ 811.78	\$ 845,658.78		
			Nov-10	2010	Q4	\$ 844,847.00	\$ 34,947.00	1.20%	\$ 844.85	\$ 880,638.85		
			Dec-10	2010	Q4	\$ 879,794.00	\$ 34,914.00	1.20%	\$ 879.79	\$ 915,587.79	\$ 417,552.55	
			Jan-11	2011	Q1	\$ 914,708.00	\$ 36,750.00	1.47%	\$ 1,120.52	\$ 952,578.52		
			Feb-11	2011	Q1	\$ 951,458.00	\$ 31,883.00	1.47%	\$ 1,165.54	\$ 984,506.54		
			Mar-11	2011	Q1	\$ 983,341.00	\$ 38,236.00	1.47%	\$ 1,204.59	\$ 1,022,781.59		
			Apr-11	2011	Q2	\$ 1,021,577.00	\$ 33,649.00	1.47%	\$ 1,251.43	\$ 1,056,477.43		
			May-11	2011	Q2	\$ 1,055,226.00	\$ 36,560.00	1.47%	\$ 1,292.65	\$ 1,093,078.65		
			Jun-11	2011	Q2	\$ 1,091,786.00	\$ 34,841.00	1.47%	\$ 1,337.44	\$ 1,127,964.44		
			Jul-11	2011	Q3	\$ 1,126,627.00	\$ 33,363.00	1.47%	\$ 1,380.12	\$ 1,161,370.12		
			Aug-11	2011	Q3	\$ 1,159,990.00	\$ 36,793.50	1.47%	\$ 1,420.99	\$ 1,198,204.49		
			Sep-11	2011	Q3	\$ 1,196,783.50	\$ 35,097.01	1.47%	\$ 1,466.06	\$ 1,233,346.57		



Ontario Energy Board

Smart Meter Model

Peterborough Distribution Incorporated

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)
			Oct-11	2011	Q4	\$ 1,231,880.51	\$ 33,410.98	1.47%	\$ 1,509.05	\$ 1,266,800.54		
			Nov-11	2011	Q4	\$ 1,265,291.49	\$ 35,058.00	1.47%	\$ 1,549.98	\$ 1,301,899.47		
			Dec-11	2011	Q4	\$ 1,300,349.49	\$ 33,975.79	1.47%	\$ 1,592.93	\$ 1,335,918.21	\$ 435,908.58	
			Jan-12	2012	Q1	\$ 1,334,325.28	\$ 36,668.99	1.47%	\$ 1,634.55	\$ 1,372,628.82		
			Feb-12	2012	Q1	\$ 1,370,994.27	\$ 35,309.70	1.47%	\$ 1,679.47	\$ 1,407,983.44		
			Mar-12	2012	Q1	\$ 1,406,303.97	\$ 35,058.00	1.47%	\$ 1,722.72	\$ 1,443,084.69		
			Apr-12	2012	Q2	\$ 1,441,361.97	\$ 35,058.00	1.47%	\$ 1,765.67	\$ 1,478,185.64		
			May-12	2012	Q2	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Jun-12	2012	Q2	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Jul-12	2012	Q3	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Aug-12	2012	Q3	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Sep-12	2012	Q3	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Oct-12	2012	Q4	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Nov-12	2012	Q4	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Dec-12	2012	Q4	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58	\$ 163,365.98	
Total Funding Adder Revenues Collected						\$ 1,476,419.97			\$ 61,141.47	\$ 1,537,561.44	\$ 1,537,561.44	



Ontario Energy Board

Smart Meter Model

Peterborough Distribution Incorporated

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	-		-	2.45%	-	-
Feb-09	2009	Q1	-		-	2.45%	-	-
Mar-09	2009	Q1	-		-	2.45%	-	-
Apr-09	2009	Q2	-		-	1.00%	-	-
May-09	2009	Q2	-		-	1.00%	-	-
Jun-09	2009	Q2	-	\$ 3,507.48	3,507.48	1.00%	-	-
Jul-09	2009	Q3	3,507.48	\$ 8,868.78	12,376.26	0.55%	1.61	1.61
Aug-09	2009	Q3	12,376.26	\$ -	12,376.26	0.55%	5.67	7.28
Sep-09	2009	Q3	12,376.26	\$ 10,463.28	22,839.54	0.55%	5.67	12.95
Oct-09	2009	Q4	22,839.54	\$ 5,310.36	28,149.90	0.55%	10.47	23.42
Nov-09	2009	Q4	28,149.90	\$ 5,345.85	33,495.75	0.55%	12.90	36.32
Dec-09	2009	Q4	33,495.75	\$ 48,153.89	81,649.64	0.55%	15.35	51.67
Jan-10	2010	Q1	81,649.64	\$ -	81,649.64	0.55%	37.42	89.10
Feb-10	2010	Q1	81,649.64	\$ 23,427.87	105,077.51	0.55%	37.42	126.52
Mar-10	2010	Q1	105,077.51	\$ 10,897.42	115,974.93	0.55%	48.16	174.68
Apr-10	2010	Q2	115,974.93	\$ 5,514.16	121,489.09	0.55%	53.16	227.84
May-10	2010	Q2	121,489.09	\$ 5,553.68	127,042.77	0.55%	55.68	283.52
Jun-10	2010	Q2	127,042.77	\$ 5,566.65	132,609.42	0.55%	58.23	341.75
Jul-10	2010	Q3	132,609.42	\$ 5,583.17	138,192.59	0.89%	98.35	440.10
Aug-10	2010	Q3	138,192.59	\$ 5,113.36	143,305.95	0.89%	102.49	542.59
Sep-10	2010	Q3	143,305.95	\$ 5,210.85	148,516.80	0.89%	106.29	648.88
Oct-10	2010	Q4	148,516.80	\$ 5,230.80	153,747.60	1.20%	148.52	797.39
Nov-10	2010	Q4	153,747.60	\$ 5,248.05	158,995.65	1.20%	153.75	951.14
Dec-10	2010	Q4	158,995.65	\$ 13,351.76	172,347.41	1.20%	159.00	1,110.14
Jan-11	2011	Q1	172,347.41		172,347.41	1.47%	211.13	1,321.26
Feb-11	2011	Q1	172,347.41		172,347.41	1.47%	211.13	1,532.39
Mar-11	2011	Q1	172,347.41		172,347.41	1.47%	211.13	1,743.51
Apr-11	2011	Q2	172,347.41		172,347.41	1.47%	211.13	1,954.64
May-11	2011	Q2	172,347.41		172,347.41	1.47%	211.13	2,165.76
Jun-11	2011	Q2	172,347.41		172,347.41	1.47%	211.13	2,376.89
Jul-11	2011	Q3	172,347.41		172,347.41	1.47%	211.13	2,588.02
Aug-11	2011	Q3	172,347.41		172,347.41	1.47%	211.13	2,799.14
Sep-11	2011	Q3	172,347.41		172,347.41	1.47%	211.13	3,010.27
Oct-11	2011	Q4	172,347.41		172,347.41	1.47%	211.13	3,221.39
Nov-11	2011	Q4	172,347.41		172,347.41	1.47%	211.13	3,432.52
Dec-11	2011	Q4	172,347.41		172,347.41	1.47%	211.13	3,643.64
Jan-12	2012	Q1	172,347.41		172,347.41	1.47%	211.13	3,854.77
Feb-12	2012	Q1	172,347.41		172,347.41	1.47%	211.13	4,065.89
Mar-12	2012	Q1	172,347.41		172,347.41	1.47%	211.13	4,277.02
Apr-12	2012	Q2	172,347.41		172,347.41	1.47%	211.13	4,488.15
May-12	2012	Q2	172,347.41		172,347.41	1.47%	211.13	4,699.27
Jun-12	2012	Q2	172,347.41		172,347.41	1.47%	211.13	4,910.40
Jul-12	2012	Q3	172,347.41		172,347.41	1.47%	211.13	5,121.52
Aug-12	2012	Q3	172,347.41		172,347.41	1.47%	211.13	5,332.65

	Sep-12	2012	Q3	172,347.41		172,347.41	1.47%	211.13	5,543.77
	Oct-12	2012	Q4	172,347.41		172,347.41	1.47%	211.13	5,754.90
	Nov-12	2012	Q4	172,347.41		172,347.41	1.47%	211.13	5,966.02
	Dec-12	2012	Q4	172,347.41		172,347.41	1.47%	211.13	6,177.15
				\$ 172,347.41	\$ -	\$ 172,347.41			







Ontario Energy Board

## Smart Meter Model

### Peterborough Distribution Incorporated

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)	\$ 1,302.85	\$ 3,087.10	\$ 81,814.83	\$ 517,871.92	\$ 831,116.48	\$ 778,052.99	\$ 769,424.43	\$ 2,982,670.59
Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check one of the boxes below)	\$ -	\$ -	\$ -	\$ 51.67	\$ 1,058.46	\$ 2,533.51		\$ 3,643.64
<input checked="" type="checkbox"/> Sheet 8A (Interest calculated on monthly balances)	\$ -	\$ -	\$ -	\$ 51.67	\$ 1,058.46	\$ 2,533.51		\$ 3,643.64
<input type="checkbox"/> Sheet 8B (Interest calculated on average annual balances)								\$ -
SMFA Revenues (from Sheet 8)	\$ 60,387.00	\$ 104,802.00	\$ 106,177.00	\$ 231,593.00	\$ 411,749.00	\$ 419,617.28	\$ 142,094.69	\$ 1,476,419.97
SMFA Interest (from Sheet 8)	\$ 700.92	\$ 5,200.46	\$ 8,319.24	\$ 3,554.71	\$ 5,803.55	\$ 16,291.30	\$ 21,271.29	\$ 61,141.47
Net Deferred Revenue Requirement	-\$ 59,785.07	-\$ 106,915.36	-\$ 32,681.41	\$ 282,775.88	\$ 414,622.39	\$ 344,677.92	\$ 606,058.45	\$ 1,448,752.80
Number of Metered Customers (average for 2012 test year)							34967	

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

Years for collection or refunding	2
Deferred Incremental Revenue Requirement from 2006 to December 31, 2011 plus Interest on OM&A and Amortization	\$ 2,216,889.80
SMFA Revenues collected from 2006 to 2012 test year (inclusive) Plus Simple Interest on SMFA Revenues	\$ 1,537,561.44
Net Deferred Revenue Requirement	\$ 679,328.36
SMDR May 1, 2012 to April 30, 2014	\$ 0.81
Check: Forecasted SMDR Revenues	\$ 679,758.48

Match

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

Incremental Revenue Requirement for 2012	\$ 769,424.43
SMIRR	\$ 1.83
Check: Forecasted SMIRR Revenues	\$ 767,875.32

Match

**APPENDIX C**

Peterborough Distribution Inc.  
EB-2012-0008

**SMART METER MODEL**

Rev = 20120329

- Model previously provided during interrogatories.



Ontario Energy Board

Smart Meter Model

Choose Your Utility:

Parry Sound Power Corporation  
Peterborough Distribution Incorporated

Application Contact Information

Name: Byron Thompson

Title: Chief Financial Officer

Phone Number: 705-748-9301 ext 1283

Email Address: bthompson@peterboroughutilities.ca

We are applying for rates effective: July 1, 2012

Last COS Re-based Year 2009

Legend

DROP-DOWN MENU

INPUT FIELD

CALCULATION FIELD

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



## Ontario Energy Board Smart Meter Model

### Appendix C - March Model

#### Peterborough Distribution Incorporated

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

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

#### Smart Meter Capital Cost and Operational Expense Data

##### Smart Meter Installation Plan

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

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Forecast	2012 and later Forecast	Total
Residential	1,088	1,538	1,089	26,811	545	295	9	31375
General Service < 50 kW	55	86	69	2,001	1,120	203	58	3592
Actual/Planned number of Smart Meters installed (Residential and GS < 50 kW only)	1143	1624	1158	28812	1665	498	67	34967
Percentage of Residential and GS < 50 kW Smart Meter Installations Completed	3.27%	7.91%	11.22%	93.62%	98.38%	99.81%	100.00%	100.00%
Actual/Planned number of GS > 50 kW meters installed	0	0	3	14	108	28	243	396
Other (please identify)								0
Total Number of Smart Meters installed or planned to be installed	1143	1624	1161	28826	1773	526	310	35363

#### 1 Capital Costs

##### 1.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

1.1.1 Smart Meters (may include new meters and modules, etc.)

Asset Type  
Asset type must be  
selected to enable  
calculations

	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
Smart Meter	191,808	168,734	395,901	2,808,802	408,303	50,738		\$ 4,024,286
1.1.2 Installation Costs (may include socket kits, labour, vehicle, benefits, etc.)	12,070	39,888	192,736	468,104	23,594	4,590		\$ 740,982
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)	\$ 203,878	\$ 208,622	\$ 588,637	\$ 3,276,906	\$ 431,897	\$ 55,328	\$ -	\$ 4,765,268

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

1.2.1 Collectors

1.2.2 Repeaters (may include radio licence, etc.)

1.2.3 Installation (may include meter seals and rings, collector computer hardware, etc.)

Asset Type

	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
Smart Meter		20,656		160,303				\$ 180,959
								\$ -
Smart Meter				59,505				\$ 59,505
Total Advanced Metering Regional Collector (AMRC) (Includes LAN)	\$ -	\$ 20,656	\$ -	\$ 219,808	\$ -	\$ -	\$ -	\$ 240,464

**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	Forecast	Forecast	
Computer Hardware			11,200	17,767	15,910			\$ 44,877
Computer Software				195,498	19,125			\$ 214,623
								\$ -
	\$ -	\$ -	\$ 11,200	\$ 213,265	\$ 35,035	\$ -	\$ -	\$ 259,500

**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	Forecast	Forecast	
Computer Software				43,560				\$ 43,560
	\$ -	\$ -	\$ -	\$ 43,560	\$ -	\$ -	\$ -	\$ 43,560

**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	Forecast	Forecast	
Smart Meter				15,998	928	375		\$ 17,301
Computer Software				9,703				\$ 9,703
Smart Meter			20,452	72,661	726	11,307		\$ 105,146
								\$ -
Smart Meter				68,301		26,693		\$ 94,994
								\$ -
	\$ -	\$ -	\$ 20,452	\$ 166,663	\$ 1,654	\$ 38,375	\$ -	\$ 227,144
	\$ 203,878	\$ 229,278	\$ 620,289	\$ 3,920,202	\$ 468,586	\$ 93,703	\$ -	\$ 5,535,936

**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	Forecast	Forecast	
								\$ -
								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 203,878	\$ 229,278	\$ 620,289	\$ 3,920,202	\$ 468,586	\$ 93,703	\$ -	\$ 5,535,936

## 2 OM&A Expenses

### 2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

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

2.1.2 Other (please specify)

#### Total Incremental AMCD OM&A Costs

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

2.2.1 Maintenance

2.2.2 Other (please specify)

#### Total Incremental AMRC OM&A Costs

### 2.3 ADVANCED METERING CONTROL COMPUTER (AMCC)

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

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

2.3.2 Other (please specify)

#### Total Incremental AMCC OM&A Costs

### 2.4 WIDE AREA NETWORK (WAN)

2.4.1 WAN Maintenance

2.4.2 Other (please specify)

#### Total Incremental AMRC OM&A Costs

### 2.5 OTHER AMI OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY

2.5.1 Business Process Redesign

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

2.5.3 Program Management

2.5.4 Change Management (may include training, etc.)

2.5.5 Administration Costs

2.5.6 Other AMI Expenses

(please specify)

#### Total Other AMI OM&A Costs Related to Minimum Functionality

### TOTAL OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY

### 2.6 OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY

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

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

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

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

#### Total OM&A Costs Beyond Minimum Functionality

#### Total Smart Meter OM&A Costs

	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
				31,093				\$ 31,093
								\$ -
	\$ -	\$ -	\$ -	\$ 31,093	\$ -	\$ -	\$ -	\$ 31,093
				10,177				\$ 10,177
								\$ -
	\$ -	\$ -	\$ -	\$ 10,177	\$ -	\$ -	\$ -	\$ 10,177
								\$ -
				1,502	20,845			\$ 22,347
								\$ -
	\$ -	\$ -	\$ -	\$ 1,502	\$ 20,845	\$ -	\$ -	\$ 22,347
								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								\$ -
								\$ -
								\$ -
								\$ -
				38,877	69,853			\$ 108,730
								\$ -
	\$ -	\$ -	\$ -	\$ 38,877	\$ 69,853	\$ -	\$ -	\$ 108,730
	\$ -	\$ -	\$ -	\$ 81,649	\$ 90,698	\$ -	\$ -	\$ 172,347
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast		
								\$ -
								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ 81,649	\$ 90,698	\$ -	\$ -	\$ 172,347

### 3 Aggregate Smart Meter Costs by Category

3.1	Capital																
3.1.1	Smart Meter	\$	203,878	\$	229,278	\$	609,089	\$	3,653,674	\$	433,551	\$	93,703	\$	-	\$	5,223,173
3.1.2	Computer Hardware	\$	-	\$	-	\$	11,200	\$	17,767	\$	15,910	\$	-	\$	-	\$	44,877
3.1.3	Computer Software	\$	-	\$	-	\$	-	\$	248,761	\$	19,125	\$	-	\$	-	\$	267,886
3.1.4	Tools & Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3.1.5	Other Equipment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3.1.6	Applications Software	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3.1.7	Total Capital Costs	\$	203,878	\$	229,278	\$	620,289	\$	3,920,202	\$	468,586	\$	93,703	\$	-	\$	5,535,936
3.2	OM&A Costs																
3.2.1	Total OM&A Costs	\$	-	\$	-	\$	-	\$	81,649	\$	90,698	\$	-	\$	-	\$	172,347





	2006	2007	2008	2009	2010	2011	2012 and later
<b>Cost of Capital</b>							
<b>Capital Structure<sup>1</sup></b>							
Deemed Short-term Debt Capitalization			0.0%	4.0%	4.0%	4.0%	4.0%
Deemed Long-term Debt Capitalization	50.0%	50.0%	53.3%	52.7%	56.0%	56.0%	56.0%
Deemed Equity Capitalization	50.0%	50.0%	46.7%	43.3%	40.0%	40.0%	40.0%
Preferred Shares	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Total</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<b>Cost of Capital Parameters</b>							
Deemed Short-term Debt Rate			4.50%	1.33%	1.33%	1.33%	1.33%
Long-term Debt Rate (actual/embedded/deemed) <sup>2</sup>	6.04%	6.04%	6.04%	6.59%	6.59%	6.59%	6.59%
Target Return on Equity (ROE)	9.0%	9.00%	9.00%	8.01%	8.01%	8.01%	8.01%
Return on Preferred Shares	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>WACC</b>	7.52%	7.52%	7.42%	6.99%	6.95%	6.95%	6.95%
<b>Working Capital Allowance</b>							
Working Capital Allowance Rate	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
(% of the sum of Cost of Power + controllable expenses)							

## Taxes/PILs

Aggregate Corporate Income Tax Rate  
Capital Tax (until July 1st, 2010)

36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
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  
- rate (%)  
Computer Hardware - years  
- rate (%)  
Computer Software - years  
- rate (%)  
Tools & Equipment - years  
- rate (%)  
Other Equipment - years  
- rate (%)

15	15	15	15	15	15	15
6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%
5	5	5	5	5	5	5
20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
5	5	5	5	5	5	5
20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

## CCA Rates

Smart Meters - CCA Class  
Smart Meters - CCA Rate

47	47	47	47	47	47	47
8%	8%	8%	8%	8%	8%	8%

Computer Equipment - CCA Class  
Computer Equipment - CCA Rate

45	50	50	50	50	50	50
45%	55%	55%	55%	55%	55%	55%

General Equipment - CCA Class  
General Equipment - CCA Rate


Applications Software - CCA Class  
Applications Software - CCA Rate

45	50	50	50	50	50	50
45%	55%	55%	55%	55%	55%	55%

## Assumptions

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

# Appendix C - March Model



Ontario Energy Board

Smart Meter Model

## Peterborough Distribution Incorporated

	2006	2007	2008	2009	2010	2011	2012 and later
<b>Net Fixed Assets - Smart Meters</b>							
<b>Gross Book Value</b>							
Opening Balance		\$ 203,878	\$ 433,156	\$ 1,042,245	\$ 4,695,919	\$ 5,129,470	\$ 5,223,173
Capital Additions during year (from Smart Meter Costs)	\$ 203,878	\$ 229,278	\$ 609,089	\$ 3,653,674	\$ 433,551	\$ 93,703	
Retirements/Removals (if applicable)							
Closing Balance	\$ 203,878	\$ 433,156	\$ 1,042,245	\$ 4,695,919	\$ 5,129,470	\$ 5,223,173	\$ 5,223,173
<b>Accumulated Depreciation</b>							
Opening Balance		-\$ 6,796	-\$ 28,030	-\$ 77,210	-\$ 268,483	-\$ 595,996	-\$ 941,084
Amortization expense during year	-\$ 6,796	-\$ 21,234	-\$ 49,180	-\$ 191,272	-\$ 327,513	-\$ 345,088	-\$ 348,212
Retirements/Removals (if applicable)							
Closing Balance	-\$ 6,796	-\$ 28,030	-\$ 77,210	-\$ 268,483	-\$ 595,996	-\$ 941,084	-\$ 1,289,295
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ 197,082	\$ 405,126	\$ 965,035	\$ 4,427,436	\$ 4,533,474	\$ 4,282,089
Closing Balance	\$ 197,082	\$ 405,126	\$ 965,035	\$ 4,427,436	\$ 4,533,474	\$ 4,282,089	\$ 3,933,878
Average Net Book Value	\$ 98,541	\$ 301,104	\$ 685,080	\$ 2,696,236	\$ 4,480,455	\$ 4,407,782	\$ 4,107,984
<b>Net Fixed Assets - Computer Hardware</b>							
<b>Gross Book Value</b>							
Opening Balance		\$ -	\$ -	\$ 11,200	\$ 28,967	\$ 44,877	\$ 44,877
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ 11,200	\$ 17,767	\$ 15,910	\$ -	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ 11,200	\$ 28,967	\$ 44,877	\$ 44,877	\$ 44,877
<b>Accumulated Depreciation</b>							
Opening Balance	\$ -	\$ -	\$ -	-\$ 1,120	-\$ 5,137	-\$ 12,521	-\$ 21,497
Amortization expense during year	\$ -	\$ -	-\$ 1,120	-\$ 4,017	-\$ 7,384	-\$ 8,975	-\$ 8,975
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	-\$ 1,120	-\$ 5,137	-\$ 12,521	-\$ 21,497	-\$ 30,472
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ 10,080	\$ 23,830	\$ 32,356	\$ 23,381
Closing Balance	\$ -	\$ -	\$ 10,080	\$ 23,830	\$ 32,356	\$ 23,381	\$ 14,405
Average Net Book Value	\$ -	\$ -	\$ 5,040	\$ 16,955	\$ 28,093	\$ 27,868	\$ 18,893
<b>Net Fixed Assets - Computer Software (including Applications Software)</b>							
<b>Gross Book Value</b>							
Opening Balance		\$ -	\$ -	\$ -	\$ 248,761	\$ 267,886	\$ 267,886
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 248,761	\$ 19,125	\$ -	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 248,761	\$ 267,886	\$ 267,886	\$ 267,886
<b>Accumulated Depreciation</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	-\$ 24,876	-\$ 76,541	-\$ 130,118
Amortization expense during year	\$ -	\$ -	\$ -	-\$ 24,876	-\$ 51,665	-\$ 53,577	-\$ 53,577
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	-\$ 24,876	-\$ 76,541	-\$ 130,118	-\$ 183,695
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 223,885	\$ 191,345	\$ 137,768
Closing Balance	\$ -	\$ -	\$ -	\$ 223,885	\$ 191,345	\$ 137,768	\$ 84,191
Average Net Book Value	\$ -	\$ -	\$ -	\$ 111,942	\$ 207,615	\$ 164,557	\$ 110,979

Net Fixed Assets - Tools and Equipment

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

Net Fixed Assets - Other Equipment

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

Appendix C -  
March Model



Ontario Energy Board

Smart Meter Model

Peterborough Distribution Incorporated

	2006	2007	2008	2009	2010	2011	2012 and Later
<b>Average Net Fixed Asset Values (from Sheet 4)</b>							
Smart Meters	\$ 98,541	\$ 301,104	\$ 685,080	\$ 2,696,236	\$ 4,480,455	\$ 4,407,782	\$ 4,107,984
Computer Hardware	\$ -	\$ -	\$ 5,040	\$ 16,955	\$ 28,093	\$ 27,868	\$ 18,893
Computer Software	\$ -	\$ -	\$ -	\$ 111,942	\$ 207,615	\$ 164,557	\$ 110,979
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Net Fixed Assets</b>	<b>\$ 98,541</b>	<b>\$ 301,104</b>	<b>\$ 690,120</b>	<b>\$ 2,825,133</b>	<b>\$ 4,716,164</b>	<b>\$ 4,600,207</b>	<b>\$ 4,237,856</b>
<b>Working Capital</b>							
Operating Expenses (from Sheet 2)	\$ -	\$ -	\$ -	\$ 81,649	\$ 90,698	\$ -	\$ -
Working Capital Factor (from Sheet 3)	15%	15%	15%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ -	\$ -	\$ 12,247	\$ 13,605	\$ -	\$ -
<b>Incremental Smart Meter Rate Base</b>	<b>\$ 98,541</b>	<b>\$ 301,104</b>	<b>\$ 690,120</b>	<b>\$ 2,837,380</b>	<b>\$ 4,729,768</b>	<b>\$ 4,600,207</b>	<b>\$ 4,237,856</b>
<b>Return on Rate Base</b>							
<b>Capital Structure</b>							
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ 113,495	\$ 189,191	\$ 184,008	\$ 169,514
Deemed Long Term Debt	\$ 49,271	\$ 150,552	\$ 367,834	\$ 1,495,299	\$ 2,648,670	\$ 2,576,116	\$ 2,373,199
Equity	\$ 49,271	\$ 150,552	\$ 322,286	\$ 1,228,586	\$ 1,891,907	\$ 1,840,083	\$ 1,695,142
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Capitalization</b>	<b>\$ 98,541</b>	<b>\$ 301,104</b>	<b>\$ 690,120</b>	<b>\$ 2,837,380</b>	<b>\$ 4,729,768</b>	<b>\$ 4,600,207</b>	<b>\$ 4,237,856</b>
<b>Return on</b>							
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ 1,509	\$ 2,516	\$ 2,447	\$ 2,255
Deemed Long Term Debt	\$ 2,976	\$ 9,093	\$ 22,217	\$ 98,540	\$ 174,547	\$ 169,766	\$ 156,394
Equity	\$ 4,434	\$ 13,550	\$ 29,006	\$ 98,410	\$ 151,542	\$ 147,391	\$ 135,781
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Return on Capital</b>	<b>\$ 7,410</b>	<b>\$ 22,643</b>	<b>\$ 51,223</b>	<b>\$ 198,459</b>	<b>\$ 328,605</b>	<b>\$ 319,604</b>	<b>\$ 294,429</b>
<b>Operating Expenses</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 81,649</b>	<b>\$ 90,698</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Amortization Expenses (from Sheet 4)</b>							
Smart Meters	\$ 6,796	\$ 21,234	\$ 49,180	\$ 191,272	\$ 327,513	\$ 345,088	\$ 348,212
Computer Hardware	\$ -	\$ -	\$ 1,120	\$ 4,017	\$ 7,384	\$ 8,975	\$ 8,975
Computer Software	\$ -	\$ -	\$ -	\$ 24,876	\$ 51,665	\$ 53,577	\$ 53,577
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Amortization Expense in Year</b>	<b>\$ 6,796</b>	<b>\$ 21,234</b>	<b>\$ 50,300</b>	<b>\$ 220,165</b>	<b>\$ 386,562</b>	<b>\$ 407,641</b>	<b>\$ 410,764</b>
<b>Incremental Revenue Requirement before Taxes/PILs</b>	<b>\$ 14,206</b>	<b>\$ 43,877</b>	<b>\$ 101,523</b>	<b>\$ 500,273</b>	<b>\$ 805,865</b>	<b>\$ 727,245</b>	<b>\$ 705,193</b>
<b>Calculation of Taxable Income</b>							
Incremental Operating Expenses	\$ -	\$ -	\$ -	\$ 81,649	\$ 90,698	\$ -	\$ -
Amortization Expense	\$ 6,796	\$ 21,234	\$ 50,300	\$ 220,165	\$ 386,562	\$ 407,641	\$ 410,764
Interest Expense	\$ 2,976	\$ 9,093	\$ 22,217	\$ 100,050	\$ 177,064	\$ 172,213	\$ 158,648
<b>Net Income for Taxes/PILs</b>	<b>\$ 4,434</b>	<b>\$ 13,550</b>	<b>\$ 29,006</b>	<b>\$ 98,410</b>	<b>\$ 151,542</b>	<b>\$ 147,391</b>	<b>\$ 135,781</b>
<b>Grossed-up Taxes/PILs (from Sheet 7)</b>	<b>\$ 2,330.05</b>	<b>\$ 6,540.55</b>	<b>\$ 12,192.86</b>	<b>\$ 19,599.41</b>	<b>\$ 26,977.39</b>	<b>\$ 52,212.75</b>	<b>\$ 65,363.11</b>
<b>Revenue Requirement, including Grossed-up Taxes/PILs</b>	<b>\$ 16,536</b>	<b>\$ 50,418</b>	<b>\$ 113,716</b>	<b>\$ 519,873</b>	<b>\$ 832,843</b>	<b>\$ 779,457</b>	<b>\$ 770,557</b>



Ontario Energy Board

Smart Meter Model

Peterborough Distribution Incorporated

## For PILs Calculation

### UCC - Smart Meters

	2006 Audited Actua	2007 Audited Actua	2008 Audited Actua	2009 Audited Actua	2010 Audited Actua	2011 Forecast	2012 and later Forecast
Opening UCC	\$ -	\$ 195,722.88	\$ 400,171.93	\$ 952,883.62	\$ 4,384,179.97	\$ 4,449,654.53	\$ 4,183,637.05
Capital Additions	\$ 203,878.00	\$ 229,278.00	\$ 609,089.00	\$ 3,653,674.00	\$ 433,551.00	\$ 93,703.00	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ 203,878.00	\$ 425,000.88	\$ 1,009,260.93	\$ 4,606,557.62	\$ 4,817,730.97	\$ 4,543,357.53	\$ 4,183,637.05
Half Year Rule (1/2 Additions - Disposals)	\$ 101,939.00	\$ 114,639.00	\$ 304,544.50	\$ 1,826,837.00	\$ 216,775.50	\$ 46,851.50	\$ -
Reduced UCC	\$ 101,939.00	\$ 310,361.88	\$ 704,716.43	\$ 2,779,720.62	\$ 4,600,955.47	\$ 4,496,506.03	\$ 4,183,637.05
CCA Rate Class	47	47	47	47	47	47	47
CCA Rate	8%	8%	8%	8%	8%	8%	8%
CCA	\$ 8,155.12	\$ 24,828.95	\$ 56,377.31	\$ 222,377.65	\$ 368,076.44	\$ 359,720.48	\$ 334,690.96
Closing UCC	\$ 195,722.88	\$ 400,171.93	\$ 952,883.62	\$ 4,384,179.97	\$ 4,449,654.53	\$ 4,183,637.05	\$ 3,848,946.08

### UCC - Computer Equipment

	2006 Audited Actua	2007 Audited Actua	2008 Audited Actua	2009 Audited Actua	2010 Audited Actua	2011 Forecast	2012 and later Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ 8,120.00	\$ 196,886.80	\$ 113,999.44	\$ 51,299.75
Capital Additions Computer Hardware	\$ -	\$ -	\$ 11,200.00	\$ 17,767.00	\$ 15,910.00	\$ -	\$ -
Capital Additions Computer Software	\$ -	\$ -	\$ -	\$ 248,761.00	\$ 19,125.00	\$ -	\$ -
Retirements/Removals (if applicable)							
UCC Before Half Year Rule	\$ -	\$ -	\$ 11,200.00	\$ 274,648.00	\$ 231,921.80	\$ 113,999.44	\$ 51,299.75
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ 5,600.00	\$ 133,264.00	\$ 17,517.50	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ 5,600.00	\$ 141,384.00	\$ 214,404.30	\$ 113,999.44	\$ 51,299.75
CCA Rate Class	45	50	50	50	50	50	50
CCA Rate	45%	55%	55%	55%	55%	55%	55%
CCA	\$ -	\$ -	\$ 3,080.00	\$ 77,761.20	\$ 117,922.37	\$ 62,699.69	\$ 28,214.86
Closing UCC	\$ -	\$ -	\$ 8,120.00	\$ 196,886.80	\$ 113,999.44	\$ 51,299.75	\$ 23,084.89

### UCC - General Equipment

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



## PILs Calculation

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Forecast	2012 and later Forecast
<b>INCOME TAX</b>							
Net Income	\$ 4,434.35	\$ 13,549.67	\$ 29,005.75	\$ 98,409.72	\$ 151,541.78	\$ 147,390.62	\$ 135,780.90
Amortization	\$ 6,795.93	\$ 21,234.47	\$ 50,300.03	\$ 220,164.93	\$ 386,562.07	\$ 407,640.70	\$ 410,764.13
CCA - Smart Meters	-\$ 8,155.12	-\$ 24,828.95	-\$ 56,377.31	-\$ 222,377.65	-\$ 368,076.44	-\$ 359,720.48	-\$ 334,690.96
CCA - Computers	\$ -	\$ -	-\$ 3,080.00	-\$ 77,761.20	-\$ 117,922.37	-\$ 62,699.69	-\$ 28,214.86
CCA - Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Change in taxable income	\$ 3,075.16	\$ 9,955.19	\$ 19,848.47	\$ 18,435.80	\$ 52,105.04	\$ 132,611.15	\$ 183,639.21
Tax Rate (from Sheet 3)	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
Income Taxes Payable	\$ 1,110.75	\$ 3,595.81	\$ 6,649.24	\$ 6,083.81	\$ 16,152.56	\$ 37,462.65	\$ 48,205.29
<b>ONTARIO CAPITAL TAX</b>							
Smart Meters	\$ 197,082.07	\$ 405,125.60	\$ 965,034.57	\$ 4,427,436.43	\$ 4,533,474.47	\$ 4,282,089.37	\$ 3,933,877.83
Computer Hardware	\$ -	\$ -	\$ 10,080.00	\$ 23,830.30	\$ 32,355.90	\$ 23,380.50	\$ 14,405.10
Computer Software (Including Application Software)	\$ -	\$ -	\$ -	\$ 223,884.90	\$ 191,345.20	\$ 137,768.00	\$ 84,190.80
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Base	\$ 197,082.07	\$ 405,125.60	\$ 975,114.57	\$ 4,675,151.63	\$ 4,757,175.57	\$ 4,443,237.87	\$ 4,032,473.73
Less: Exemption							
Deemed Taxable Capital	\$ 197,082.07	\$ 405,125.60	\$ 975,114.57	\$ 4,675,151.63	\$ 4,757,175.57	\$ 4,443,237.87	\$ 4,032,473.73
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)	\$ 591.25	\$ 911.53	\$ 2,194.01	\$ 10,519.09	\$ 3,567.88	\$ -	\$ -
Change in Income Taxes Payable	\$ 1,110.75	\$ 3,595.81	\$ 6,649.24	\$ 6,083.81	\$ 16,152.56	\$ 37,462.65	\$ 48,205.29
Change in OCT	\$ 591.25	\$ 911.53	\$ 2,194.01	\$ 10,519.09	\$ 3,567.88	\$ -	\$ -
PILs	\$ 1,701.99	\$ 4,507.35	\$ 8,843.24	\$ 16,602.91	\$ 19,720.44	\$ 37,462.65	\$ 48,205.29
<b>Gross Up PILs</b>							
Tax Rate	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
Change in Income Taxes Payable	\$ 1,738.80	\$ 5,629.01	\$ 9,998.85	\$ 9,080.32	\$ 23,409.51	\$ 52,212.75	\$ 65,363.11
Change in OCT	\$ 591.25	\$ 911.53	\$ 2,194.01	\$ 10,519.09	\$ 3,567.88	\$ -	\$ -
PILs	\$ 2,330.05	\$ 6,540.55	\$ 12,192.86	\$ 19,599.41	\$ 26,977.39	\$ 52,212.75	\$ 65,363.11



Ontario Energy Board

Smart Meter Model

Peterborough Distribution Incorporated

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	\$ -	\$ 960.00	4.14%	\$ -	\$ 960.00		
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	\$ 960.00	\$ 7,589.00	4.14%	\$ 3.31	\$ 8,552.31		
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	\$ 8,549.00	\$ 8,611.00	4.59%	\$ 32.70	\$ 17,192.70		
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	\$ 17,160.00	\$ 9,093.00	4.59%	\$ 65.64	\$ 26,318.64		
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	\$ 26,253.00	\$ 8,663.00	4.59%	\$ 100.42	\$ 35,016.42		
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	\$ 34,916.00	\$ 8,353.00	4.59%	\$ 133.55	\$ 43,402.55		
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	\$ 43,269.00	\$ 8,965.00	4.59%	\$ 165.50	\$ 52,399.50		
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	\$ 52,234.00	\$ 8,153.00	4.59%	\$ 199.80	\$ 60,586.80	\$ 61,087.92	
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	\$ 60,387.00	\$ 9,449.00	4.59%	\$ 230.98	\$ 70,066.98		
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	\$ 69,836.00	\$ 8,085.00	4.59%	\$ 267.12	\$ 78,188.12		
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	\$ 77,921.00	\$ 9,071.00	4.59%	\$ 298.05	\$ 87,290.05		
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	\$ 86,992.00	\$ 8,750.00	4.59%	\$ 332.74	\$ 96,074.74		
2010 Q1	0.55%	4.34%	May-07	2007	Q2	\$ 95,742.00	\$ 8,753.00	4.59%	\$ 366.21	\$ 104,861.21		
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	\$ 104,495.00	\$ 8,720.00	4.59%	\$ 399.69	\$ 113,614.69		
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	\$ 113,215.00	\$ 8,744.00	4.59%	\$ 433.05	\$ 122,392.05		
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	\$ 121,959.00	\$ 9,099.00	4.59%	\$ 466.49	\$ 131,524.49		
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	\$ 131,058.00	\$ 8,038.00	4.59%	\$ 501.30	\$ 139,597.30		
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	\$ 139,096.00	\$ 9,487.00	5.14%	\$ 595.79	\$ 149,178.79		
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	\$ 148,583.00	\$ 8,446.00	5.14%	\$ 636.43	\$ 157,665.43		
2011 Q4	1.47%	4.29%	Dec-07	2007	Q4	\$ 157,029.00	\$ 8,160.00	5.14%	\$ 672.61	\$ 165,861.61	\$ 110,002.46	
2012 Q1	1.47%	4.29%	Jan-08	2008	Q1	\$ 165,189.00	\$ 9,858.00	5.14%	\$ 707.56	\$ 175,754.56		
2012 Q2	1.47%	4.29%	Feb-08	2008	Q1	\$ 175,047.00	\$ 8,139.00	5.14%	\$ 749.78	\$ 183,935.78		
2012 Q3	1.47%	4.29%	Mar-08	2008	Q1	\$ 183,186.00	\$ 8,035.00	5.14%	\$ 784.65	\$ 192,005.65		
2012 Q4	1.47%	4.29%	Apr-08	2008	Q2	\$ 191,221.00	\$ 9,639.00	4.08%	\$ 650.15	\$ 201,510.15		
			May-08	2008	Q2	\$ 200,860.00	\$ 8,833.00	4.08%	\$ 682.92	\$ 210,375.92		
			Jun-08	2008	Q2	\$ 209,693.00	\$ 8,822.00	4.08%	\$ 712.96	\$ 219,227.96		
			Jul-08	2008	Q3	\$ 218,515.00	\$ 9,141.00	3.35%	\$ 610.02	\$ 228,266.02		
			Aug-08	2008	Q3	\$ 227,656.00	\$ 8,810.00	3.35%	\$ 635.54	\$ 237,101.54		
			Sep-08	2008	Q3	\$ 236,466.00	\$ 8,558.00	3.35%	\$ 660.13	\$ 245,684.13		
			Oct-08	2008	Q4	\$ 245,024.00	\$ 8,875.00	3.35%	\$ 684.03	\$ 254,583.03		
			Nov-08	2008	Q4	\$ 253,899.00	\$ 8,560.00	3.35%	\$ 708.80	\$ 263,167.80		
			Dec-08	2008	Q4	\$ 262,459.00	\$ 8,907.00	3.35%	\$ 732.70	\$ 272,098.70	\$ 114,496.24	
			Jan-09	2009	Q1	\$ 271,366.00	\$ 9,217.00	2.45%	\$ 554.04	\$ 281,137.04		
			Feb-09	2009	Q1	\$ 280,583.00	\$ 8,107.00	2.45%	\$ 572.86	\$ 289,262.86		
			Mar-09	2009	Q1	\$ 288,690.00	\$ 9,728.00	2.45%	\$ 589.41	\$ 299,007.41		
			Apr-09	2009	Q2	\$ 298,418.00	\$ 8,605.00	1.00%	\$ 248.68	\$ 307,271.68		
			May-09	2009	Q2	\$ 307,023.00	\$ 8,416.00	1.00%	\$ 255.85	\$ 315,694.85		
			Jun-09	2009	Q2	\$ 315,439.00	\$ 9,713.00	1.00%	\$ 262.87	\$ 325,414.87		
			Jul-09	2009	Q3	\$ 325,152.00	\$ 12,832.00	0.55%	\$ 149.03	\$ 338,133.03		
			Aug-09	2009	Q3	\$ 337,984.00	\$ 30,388.00	0.55%	\$ 154.91	\$ 368,526.91		
			Sep-09	2009	Q3	\$ 368,372.00	\$ 32,803.00	0.55%	\$ 168.84	\$ 401,343.84		
			Oct-09	2009	Q4	\$ 401,175.00	\$ 34,503.00	0.55%	\$ 183.87	\$ 435,861.87		
			Nov-09	2009	Q4	\$ 435,678.00	\$ 32,675.00	0.55%	\$ 199.69	\$ 468,552.69		
			Dec-09	2009	Q4	\$ 468,353.00	\$ 34,606.00	0.55%	\$ 214.66	\$ 503,173.66	\$ 235,147.71	
			Jan-10	2010	Q1	\$ 502,959.00	\$ 34,742.00	0.55%	\$ 230.52	\$ 537,931.52		
			Feb-10	2010	Q1	\$ 537,701.00	\$ 29,228.00	0.55%	\$ 246.45	\$ 567,175.45		
			Mar-10	2010	Q1	\$ 566,929.00	\$ 40,221.00	0.55%	\$ 259.84	\$ 607,409.84		
			Apr-10	2010	Q2	\$ 607,150.00	\$ 31,128.00	0.55%	\$ 278.28	\$ 638,556.28		
			May-10	2010	Q2	\$ 638,278.00	\$ 33,022.00	0.55%	\$ 292.54	\$ 671,592.54		
			Jun-10	2010	Q2	\$ 671,300.00	\$ 36,438.00	0.55%	\$ 307.68	\$ 708,045.68		
			Jul-10	2010	Q3	\$ 707,738.00	\$ 34,627.00	0.89%	\$ 524.91	\$ 742,889.91		
			Aug-10	2010	Q3	\$ 742,365.00	\$ 34,697.00	0.89%	\$ 550.59	\$ 777,612.59		
			Sep-10	2010	Q3	\$ 777,062.00	\$ 34,713.00	0.89%	\$ 576.32	\$ 812,351.32		
			Oct-10	2010	Q4	\$ 811,775.00	\$ 33,072.00	1.20%	\$ 811.78	\$ 845,658.78		
			Nov-10	2010	Q4	\$ 844,847.00	\$ 34,947.00	1.20%	\$ 844.85	\$ 880,638.85		
			Dec-10	2010	Q4	\$ 879,794.00	\$ 34,914.00	1.20%	\$ 879.79	\$ 915,587.79	\$ 417,552.55	
			Jan-11	2011	Q1	\$ 914,708.00	\$ 36,750.00	1.47%	\$ 1,120.52	\$ 952,578.52		
			Feb-11	2011	Q1	\$ 951,458.00	\$ 31,883.00	1.47%	\$ 1,165.54	\$ 984,506.54		
			Mar-11	2011	Q1	\$ 983,341.00	\$ 38,236.00	1.47%	\$ 1,204.59	\$ 1,022,781.59		
			Apr-11	2011	Q2	\$ 1,021,577.00	\$ 33,649.00	1.47%	\$ 1,251.43	\$ 1,056,477.43		
			May-11	2011	Q2	\$ 1,055,226.00	\$ 36,560.00	1.47%	\$ 1,292.65	\$ 1,093,078.65		
			Jun-11	2011	Q2	\$ 1,091,786.00	\$ 34,841.00	1.47%	\$ 1,337.44	\$ 1,127,964.44		
			Jul-11	2011	Q3	\$ 1,126,627.00	\$ 33,363.00	1.47%	\$ 1,380.12	\$ 1,161,370.12		
			Aug-11	2011	Q3	\$ 1,159,990.00	\$ 36,793.50	1.47%	\$ 1,420.99	\$ 1,198,204.49		
			Sep-11	2011	Q3	\$ 1,196,783.50	\$ 35,097.01	1.47%	\$ 1,466.06	\$ 1,233,346.57		





Ontario Energy Board

Smart Meter Model

Peterborough Distribution Incorporated

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)
			Oct-11	2011	Q4	\$ 1,231,880.51	\$ 33,410.98	1.47%	\$ 1,509.05	\$ 1,266,800.54		
			Nov-11	2011	Q4	\$ 1,265,291.49	\$ 35,058.00	1.47%	\$ 1,549.98	\$ 1,301,899.47		
			Dec-11	2011	Q4	\$ 1,300,349.49	\$ 33,975.79	1.47%	\$ 1,592.93	\$ 1,335,918.21	\$ 435,908.58	
			Jan-12	2012	Q1	\$ 1,334,325.28	\$ 36,668.99	1.47%	\$ 1,634.55	\$ 1,372,628.82		
			Feb-12	2012	Q1	\$ 1,370,994.27	\$ 35,309.70	1.47%	\$ 1,679.47	\$ 1,407,983.44		
			Mar-12	2012	Q1	\$ 1,406,303.97	\$ 35,058.00	1.47%	\$ 1,722.72	\$ 1,443,084.69		
			Apr-12	2012	Q2	\$ 1,441,361.97	\$ 35,058.00	1.47%	\$ 1,765.67	\$ 1,478,185.64		
			May-12	2012	Q2	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Jun-12	2012	Q2	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Jul-12	2012	Q3	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Aug-12	2012	Q3	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Sep-12	2012	Q3	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Oct-12	2012	Q4	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Nov-12	2012	Q4	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58		
			Dec-12	2012	Q4	\$ 1,476,419.97		1.47%	\$ 1,808.61	\$ 1,478,228.58	\$ 163,365.98	
Total Funding Adder Revenues Collected						\$ 1,476,419.97			\$ 61,141.47	\$ 1,537,561.44	\$ 1,537,561.44	



Ontario Energy Board

Smart Meter Model

Peterborough Distribution Incorporated

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	-		-	2.45%	-	-
Feb-09	2009	Q1	-		-	2.45%	-	-
Mar-09	2009	Q1	-		-	2.45%	-	-
Apr-09	2009	Q2	-		-	1.00%	-	-
May-09	2009	Q2	-		-	1.00%	-	-
Jun-09	2009	Q2	-	\$ 3,507.48	3,507.48	1.00%	-	-
Jul-09	2009	Q3	3,507.48	\$ 8,868.78	12,376.26	0.55%	1.61	1.61
Aug-09	2009	Q3	12,376.26	\$ -	12,376.26	0.55%	5.67	7.28
Sep-09	2009	Q3	12,376.26	\$ 10,463.28	22,839.54	0.55%	5.67	12.95
Oct-09	2009	Q4	22,839.54	\$ 5,310.36	28,149.90	0.55%	10.47	23.42
Nov-09	2009	Q4	28,149.90	\$ 5,345.85	33,495.75	0.55%	12.90	36.32
Dec-09	2009	Q4	33,495.75	\$ 48,153.89	81,649.64	0.55%	15.35	51.67
Jan-10	2010	Q1	81,649.64	\$ -	81,649.64	0.55%	37.42	89.10
Feb-10	2010	Q1	81,649.64	\$ 23,427.87	105,077.51	0.55%	37.42	126.52
Mar-10	2010	Q1	105,077.51	\$ 10,897.42	115,974.93	0.55%	48.16	174.68
Apr-10	2010	Q2	115,974.93	\$ 5,514.16	121,489.09	0.55%	53.16	227.84
May-10	2010	Q2	121,489.09	\$ 5,553.68	127,042.77	0.55%	55.68	283.52
Jun-10	2010	Q2	127,042.77	\$ 5,566.65	132,609.42	0.55%	58.23	341.75
Jul-10	2010	Q3	132,609.42	\$ 5,583.17	138,192.59	0.89%	98.35	440.10
Aug-10	2010	Q3	138,192.59	\$ 5,113.36	143,305.95	0.89%	102.49	542.59
Sep-10	2010	Q3	143,305.95	\$ 5,210.85	148,516.80	0.89%	106.29	648.88
Oct-10	2010	Q4	148,516.80	\$ 5,230.80	153,747.60	1.20%	148.52	797.39
Nov-10	2010	Q4	153,747.60	\$ 5,248.05	158,995.65	1.20%	153.75	951.14
Dec-10	2010	Q4	158,995.65	\$ 13,351.76	172,347.41	1.20%	159.00	1,110.14
Jan-11	2011	Q1	172,347.41		172,347.41	1.47%	211.13	1,321.26
Feb-11	2011	Q1	172,347.41		172,347.41	1.47%	211.13	1,532.39
Mar-11	2011	Q1	172,347.41		172,347.41	1.47%	211.13	1,743.51
Apr-11	2011	Q2	172,347.41		172,347.41	1.47%	211.13	1,954.64
May-11	2011	Q2	172,347.41		172,347.41	1.47%	211.13	2,165.76
Jun-11	2011	Q2	172,347.41		172,347.41	1.47%	211.13	2,376.89
Jul-11	2011	Q3	172,347.41		172,347.41	1.47%	211.13	2,588.02
Aug-11	2011	Q3	172,347.41		172,347.41	1.47%	211.13	2,799.14
Sep-11	2011	Q3	172,347.41		172,347.41	1.47%	211.13	3,010.27
Oct-11	2011	Q4	172,347.41		172,347.41	1.47%	211.13	3,221.39
Nov-11	2011	Q4	172,347.41		172,347.41	1.47%	211.13	3,432.52
Dec-11	2011	Q4	172,347.41		172,347.41	1.47%	211.13	3,643.64
Jan-12	2012	Q1	172,347.41		172,347.41	1.47%	211.13	3,854.77
Feb-12	2012	Q1	172,347.41		172,347.41	1.47%	211.13	4,065.89
Mar-12	2012	Q1	172,347.41		172,347.41	1.47%	211.13	4,277.02
Apr-12	2012	Q2	172,347.41		172,347.41	1.47%	211.13	4,488.15
May-12	2012	Q2	172,347.41		172,347.41	1.47%	211.13	4,699.27
Jun-12	2012	Q2	172,347.41		172,347.41	1.47%	211.13	4,910.40
Jul-12	2012	Q3	172,347.41		172,347.41	1.47%	211.13	5,121.52
Aug-12	2012	Q3	172,347.41		172,347.41	1.47%	211.13	5,332.65

	Sep-12	2012	Q3	172,347.41		172,347.41	1.47%	211.13	5,543.77
	Oct-12	2012	Q4	172,347.41		172,347.41	1.47%	211.13	5,754.90
	Nov-12	2012	Q4	172,347.41		172,347.41	1.47%	211.13	5,966.02
	Dec-12	2012	Q4	172,347.41		172,347.41	1.47%	211.13	6,177.15
				\$ 172,347.41	\$ -	\$ 172,347.41			





Ontario Energy Board

## Smart Meter Model

### Peterborough Distribution Incorporated

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)	\$ 16,536.27	\$ 50,418.02	\$ 113,715.81	\$ 519,872.79	\$ 832,842.84	\$ 779,457.41	\$ 770,556.51	\$ 3,083,399.66
Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check <b>one</b> of the boxes below)	\$ -	\$ -	\$ -	\$ 51.67	\$ 1,058.46	\$ 2,533.51		\$ 3,643.64
<input checked="" type="checkbox"/> Sheet 8A (Interest calculated on monthly balances)	\$ -	\$ -	\$ -	\$ 51.67	\$ 1,058.46	\$ 2,533.51		\$ 3,643.64
<input type="checkbox"/> Sheet 8B (Interest calculated on average annual balances)								\$ -
SMFA Revenues (from Sheet 8)	\$ 60,387.00	\$ 104,802.00	\$ 106,177.00	\$ 231,593.00	\$ 411,749.00	\$ 419,617.28	\$ 142,094.69	\$ 1,476,419.97
SMFA Interest (from Sheet 8)	\$ 700.92	\$ 5,200.46	\$ 8,319.24	\$ 3,554.71	\$ 5,803.55	\$ 16,291.30	\$ 21,271.29	\$ 61,141.47
Net Deferred Revenue Requirement	-\$ 44,551.65	-\$ 59,584.44	-\$ 780.43	\$ 284,776.75	\$ 416,348.75	\$ 346,082.34	\$ 607,190.53	\$ 1,549,481.86
Number of Metered Customers (average for 2012 test year)							34967	

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

Years for collection or refunding	2
Deferred Incremental Revenue Requirement from 2006 to December 31, 2011 plus Interest on OM&A and Amortization	\$ 2,316,486.79
SMFA Revenues collected from 2006 to 2012 test year (inclusive) Plus Simple Interest on SMFA Revenues	\$ 1,537,561.44
Net Deferred Revenue Requirement	\$ 778,925.35
SMDR May 1, 2012 to April 30, 2014	\$ 0.93
Check: Forecasted SMDR Revenues	\$ 780,463.44

Match

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

Incremental Revenue Requirement for 2012	\$ 770,556.51
SMIRR	\$ 1.84
Check: Forecasted SMIRR Revenues	\$ 772,071.36

Match

**APPENDIX D**

Peterborough Distribution Inc.

Dated June 21, 2012

**DRAFT TARRIF OF RATES AND CHARGES**

Decision and Order

EB-2012-0008

Dated June 14, 2012

Effective: July 1, 2012

**Peterborough Distribution Incorporated**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date May 1, 2012**

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

EB-2012-0008

## RESIDENTIAL SERVICE CLASSIFICATION

Residential class customers are defined as single-family dwelling units for domestic or household purposes. Semi-detached and row town-housing will be considered residential class if each individual unit is located on its own registered freehold lot fronting on the public road allowance. Each unit must have its own individual service connection from the road allowance and each main service disconnect is assessable from the unit which it supplies. All other developments are considered to be in the General Service class. 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	\$	11.91
Rate Rider for Disposition of Residual Historical Smart Meter Costs - effective until April 30, 2014	\$	0.36
Rate Rider for Smart Meter Incremental Revenue Requirement - in effect until the effective date of the next cost of service-based rate order	\$	1.75
Distribution Volumetric Rate	\$/kWh	0.0116
Low Voltage Service Rate	\$/kWh	0.0005
Rate Rider for Global Adjustment Sub-Account Disposition (2012) - effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	(0.0015)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2013	\$/kWh	(0.0015)
Rate Rider for Tax Change - effective until April 30, 2013	\$/kWh	(0.0005)
Rate Rider for Lost Revenue Adjustment Mechanism/Shared Savings Mechanism Recovery (2012) effective until April 30, 2013	\$/kWh	0.0016
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0047

### 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



**Peterborough Distribution Incorporated**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date May 1, 2012**

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

EB-2012-0008

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential 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. General Service class customers are defined as all buildings not classified as residential. A customer must remain in its customer class for a minimum of twelve (12) months before being reassigned to another class. 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	\$	29.90
Rate Rider for Disposition of Residual Historical Smart Meter Costs - effective until April 30, 2014	\$	5.49
Rate Rider for Smart Meter Incremental Revenue Requirement - in effect until the effective date of the next cost of service-based rate order	\$	6.13
Distribution Volumetric Rate	\$/kWh	0.0090
Low Voltage Service Rate	\$/kWh	0.0005
Rate Rider for Global Adjustment Sub-Account Disposition (2012) - effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	(0.0015)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2013	\$/kWh	(0.0015)
Rate Rider for Tax Change - effective until April 30, 2013	\$/kWh	(0.0004)
Rate Rider for Lost Revenue Adjustment Mechanism/Shared Savings Mechanism Recovery (2012) - effective until April 30, 2013	\$/kWh	0.0006
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0043

### 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

**Peterborough Distribution Incorporated**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date May 1, 2012**

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

EB-2012-0008

## **GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION**

This classification applies to all buildings not classified as residential and having a service connection capable of load delivery equal to or above 50 kW or having an average monthly peak demand equal to or greater than 50 kW over a twelve month period, but less than 5,000 kW. A customer must remain in its customer class for a minimum of twelve (12) months before being reassigned to another class. Customers who require service connections above 1,000 kVA must supply and own the primary conductors, switchgear and their own transformation above the maximum supplied by Peterborough Distribution Inc. (see Section 3.3 of Conditions of Service). The maximum allowable service connection on the 27.6 kV system is 5,000 kVA. Customers have the option of ownership of transformation at all sizes and are required to own the transformation above the maximum levels supplied by Peterborough Distribution Inc. If a customer decides or is required to own their transformation, the transformer specifications and its loss evaluation require approval from Peterborough Distribution Inc. The customer is required to compensate Peterborough Distribution Inc. for transformer losses that exceed the maximum acceptable losses. The customer will receive a transformer allowance as specified in the current rate schedule for privately owned transformation.

### **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	\$	247.49
Distribution Volumetric Rate	\$/kW	2.4354
Low Voltage Service Rate	\$/kW	0.1930
Rate Rider for Global Adjustment Sub-Account Disposition (2012) - effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kW	(0.6241)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2013	\$/kW	(0.6140)
Rate Rider for Tax Change - effective until April 30, 2013	\$/kW	(0.0734)
Rate Rider for Lost Revenue Adjustment Mechanism/Shared Savings Mechanism Recovery (2012) - effective until April 30, 2013	\$/kW	0.0611
Retail Transmission Rate - Network Service Rate	\$/kW	2.4345
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6613

### **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

**Peterborough Distribution Incorporated**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date May 1, 2012**

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

EB-2012-0008

## **LARGE USE - REGULAR SERVICE CLASSIFICATION**

This classification refers to the supply of electrical energy to General Service Customers requiring a connection with a connected load or 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, 5,000 kW. 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.

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### **MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	6,311.79
Distribution Volumetric Rate	\$/kW	0.7373
Low Voltage Service Rate	\$/kW	0.2364
Rate Rider for Global Adjustment Sub-Account Disposition (2012) - effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kW	(0.7152)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2013	\$/kW	(0.7037)
Rate Rider for Tax Change - effective until April 30, 2013	\$/kW	(0.0358)
Retail Transmission Rate - Network Service Rate	\$/kW	2.8683
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0352

### **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

**Peterborough Distribution Incorporated**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date May 1, 2012**

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

EB-2012-0008

## 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

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.

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	11.10
Distribution Volumetric Rate	\$/kWh	0.1464
Low Voltage Service Rate	\$/kWh	0.0005
Rate Rider for Global Adjustment Sub-Account Disposition (2012) - effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	(0.0015)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2013	\$/kWh	(0.0015)
Rate Rider for Tax Change - effective until April 30, 2013	\$/kWh	(0.0033)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0043

### 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

**Peterborough Distribution Incorporated**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date May 1, 2012**

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

EB-2012-0008

## SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification covers sentinel lights used for security or other commercial activities. All attempts must be made to connect these loads to a metered service where possible. The customer is required to provide details of the connected load and usage pattern prior to connecting to the distribution system. The customer owns all the equipment and facilities from the load side of the connection to the distribution system. The connection shall be made to the distribution system as approved by Peterborough Distribution Inc. Peterborough Distribution Inc. has operational control of the connection to the distribution system. The customer is responsible for any requirements under the Ontario Electrical Safety Code and is required to have all equipment inspected and approved by the Electrical Safety Authority. 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.

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	3.73
Distribution Volumetric Rate	\$/kW	17.83
Low Voltage Service Rate	\$/kW	0.1532
Rate Rider for Global Adjustment Sub-Account Disposition (2012) - effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kW	-0.5592
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2013	\$/kW	-0.5502
Rate Rider for Tax Change - effective until April 30, 2013	\$/kW	-0.5203
Retail Transmission Rate - Network Service Rate	\$/kW	1.8487
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.3191

### 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

# Peterborough Distribution Incorporated

## TARIFF OF RATES AND CHARGES

Effective Date May 1, 2012

Implementation Date May 1, 2012

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

EB-2012-0008

### STREET LIGHTING SERVICE CLASSIFICATION

This classification applies only to street lighting equipment owned by the City of Peterborough, other authorized municipalities or the Province of Ontario and operating within the licenced territory of Peterborough Distribution Inc. Included is decorative and seasonal lighting connected to street lighting facilities owned by the City of Peterborough, other authorized municipalities and the Province of Ontario. The customer owns all equipment and facilities from the load side of the connection to the distribution system. The customer is required to provide details of the connected load and usage pattern prior to connecting to the distribution system. Each streetlight is to be individually controlled by a photocell. Underground connections for street lighting require a main disconnect to be installed by the Customer. The customer is responsible for any requirements under the Ontario Electrical Safety Code and is required to have all equipment inspected and approved by the Electrical Safety Authority. The customer may retain operational control of any disconnects if authorized by Peterborough Distribution Inc. and operated by qualified personnel. Peterborough Distribution Inc. retains operational control of the connections to the 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.

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.

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#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	3.16
Distribution Volumetric Rate	\$/kW	13.188
Low Voltage Service Rate	\$/kW	0.1497
Rate Rider for Global Adjustment Sub-Account Disposition (2012) - effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kW	-0.5267
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2013	\$/kW	-0.5182
Rate Rider for Tax Change - effective until April 30, 2013	\$/kW	-0.5916
Retail Transmission Rate - Network Service Rate	\$/kW	1.835
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2884

#### 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

# Peterborough Distribution Incorporated

## TARIFF OF RATES AND CHARGES

Effective Date May 1, 2012

Implementation Date May 1, 2012

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EB-2012-0008

### 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 Condition 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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### 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)

# Peterborough Distribution Incorporated

## TARIFF OF RATES AND CHARGES

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EB-2012-0008

### SPECIFIC SERVICE CHARGES

#### APPLICATION

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No 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.

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, charges for the Ministry of Energy Conservation and Renewable Energy Program, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

#### Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00
Income tax letter	\$	15.00
Notification charge	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	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	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	185.00
Disconnect/Reconnect at pole - during regular hours	\$	185.00
Disconnect/Reconnect at pole - after regular hours	\$	415.00
Install/Remove load control device - during regular hours	\$	65.00
Install/Remove load control device - after regular hours	\$	185.00
Service call - customer-owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service install & remove - overhead - no transformer	\$	500.00
Temporary service install & remove - underground - no transformer	\$	300.00
Temporary service install & remove - overhead - with transformer	\$	1000.00
Service Charge for Access to the Power Poles \$/pole/year	\$	22.35

**Peterborough Distribution Incorporated**



## TARIFF OF RATES AND CHARGES

Effective Date May 1, 2012

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EB-2012-0008

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### RETAIL SERVICE CHARGES (if applicable)

#### 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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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, charges for the Ministry of Energy Conservation and Renewable Energy Program, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

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 retail	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing 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 factor will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0487
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0171
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0382
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0071