



# Ontario Energy Board

## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

### Sheet 1 Utility Information Sheet

Legend:	Input Cell	Pull-Down Menu Option	Output Cell
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Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.

<b>Name of LDC:</b>	Peterborough Distribution Incorporated		
<b>Licence Number:</b>	ED-2002-0504		
<b>IRM 2008 EB Number:</b> (if known)	EB-2007-XXXX		
<b>IRM 2007 EB Number:</b>	EB-2007-0571		
<b>EDR 2006 RP Number:</b>	RP-2005-0020	<b>EDR 2006 EB Number:</b>	EB-2005-0406
<b>Date of Submission:</b>	11/01/07	<b>Last Saved Date:</b>	11/01/07 9:14 AM
<b>Model Version:</b>	2.0		
<b>Contact Information</b>			
<b>Name:</b>	Robert Kent		
<b>Title:</b>	Finance Manager		
<b>Phone Number:</b>	705-748-9301 x 1272		
<b>E-Mail Address:</b>	rkent@puc.org		

Please Note: In the event of an inconsistency between this model and any element of the December 20, 2006 "Report of the Board on Cost of Capital and 2<sup>nd</sup> Generation Incentive Regulation of Ontario's Electricity Distributors", the Report governs.

#### Comments

Tab 3. 2007 Tariff Sheet, Transmission rates have been reduced by 12%. Tab 3 does not allow for the service charge storm recovery rate ride to be identified as a \$ amount.

Tab 10. 2008 Tariff Schedule is including the storm recovery rate rider twice, once from sheet 3 and again from sheet 9.

Sheet 12, Annualized Bill Impact, DRC rate has been changed from \$0.007 to \$0.0067.

Sheets 12, Annualized Bill Impact and sheet 13, Bill Impacts by Consumption are overstated as they are calculating the storm recovery twice. The amount being calculated via sheet 3 assumes the service charge is a kWh or KW charge and not a fixed amount.

Revised Customer Bill Impact spreadsheets have been provided with the applications.

#### Copyright

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## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

### **Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

**Thursday, November 01, 2007**

### Sheet 2 - 2007 Rate Classes

Are you changing the descriptions of any of your Service Classifications?

YES  NO

Service Classifications, including descriptions, can be found on your Board Approved 2007 Tariff of Rates and Charges.

**Instructions:**

(In some instances, rate classifications may differ from service classifications. The following table accounts for those differences.)

Using the pull-down list in column B, choose the classes that match those on your Board-Approved 2007 Tariff of Rates and Charges, are found under sub-heading "Monthly Rates and Charges". (If a Rate Classification needs to be added to the pull-down list, please contact the Board.)

Indicate which Rate Classifications exist using the pull-down menu in column C.

Changes made to the Class names will affect the rest of the model.

**Upon completion, press the update button.**

**LEGEND**

INPUT CELLS

PULL-DOWN MENU

OUTPUT CELLS

	Rate Classifications	Currently in Place
1	Residential	Yes
2	General Service Less Than 50 kW	Yes
3	General Service 50 to 4,999 kW	Yes
4	Large Use	Yes
5	Unmetered Scattered Load	Yes
6	Sentinel Lighting	Yes
7	Street Lighting	Yes
8	Rate Class 8	No
9	Rate Class 9	No
10	Rate Class 10	No
11	Rate Class 11	No
12	Rate Class 12	No
13	Rate Class 13	No
14	Rate Class 14	No
15	Rate Class 15	No
16	Rate Class 16	No





**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

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**Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges**

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**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

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**Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges**

**MONTHLY RATES AND CHARGES**

Using the pull-down menu in column H below, indicate whether (Yes) or not (No) the rate riders will be continuing into the 2008-09 rate year

**Residential**

Service Charge	\$	11.79	
Distribution Volumetric Rate	\$/kWh	0.0122	
Service Charge Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008		0.3800	Yes
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kWh	0.0004	Yes
Regulatory Asset Recovery	\$/kWh	0.0022	No
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0050	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0031	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	



## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

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### Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges

#### General Service Less Than 50 kW

Service Charge	\$	25.37	
Distribution Volumetric Rate	\$/kWh	0.0084	
Service Charge Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008		0.8200	Yes
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kWh	0.0003	Yes
Regulatory Asset Recovery	\$/kWh	0.0005	No
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0046	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0028	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	

#### General Service 50 to 4,999 kW

Service Charge	\$	217.77	
Distribution Volumetric Rate	\$/kW	2.2992	
Service Charge Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008		7.0800	Yes
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kW	0.0769	Yes
Regulatory Asset Recovery	\$/kW	(0.0385)	No
Retail Transmission Rate – Network Service Rate	\$/kW	1.8672	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1063	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	

#### Large Use

Service Charge	\$	4,357.42	
Distribution Volumetric Rate	\$/kW	0.9365	
Service Charge Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008		141.7300	Yes
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kW	0.0165	Yes
Regulatory Asset Recovery	\$/kW	(0.6211)	No
Retail Transmission Rate – Network Service Rate	\$/kW	2.1958	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3869	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	

#### Unmetered Scattered Load

Service Charge (per customer)	\$	25.37	
Distribution Volumetric Rate	\$/kWh	0.0084	
Service Charge (per customer) Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008		0.8200	Yes
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kWh	0.0003	Yes
Regulatory Asset Recovery	\$/kWh	0.0005	No
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0046	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0028	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	



## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

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### **Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges**

#### Sentinel Lighting

Service Charge (per connection)	\$	0.83	
Distribution Volumetric Rate	\$/kW	4.3198	
Service Charge (per customer) Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008		0.0800	Yes
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kW	0.1411	Yes
Regulatory Asset Recovery	\$/kW	0.9199	No
Retail Transmission Rate – Network Service Rate	\$/kW	1.4153	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8731	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	

#### Street Lighting

Service Charge (per connection)	\$	0.74	
Distribution Volumetric Rate	\$/kW	3.2709	
Service Charge (per customer) Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008		179.3200	Yes
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kW	0.1029	Yes
Regulatory Asset Recovery	\$/kW	(0.4220)	No
Retail Transmission Rate – Network Service Rate	\$/kW	1.4082	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8553	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

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**Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges**

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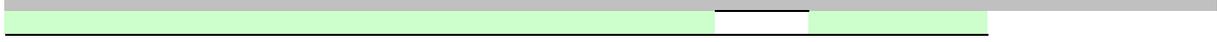
**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

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**Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges**





# 2008 INCENTIVE RATE MECHANISM ADJUSTMENT

## Peterborough Distribution Incorporated

EB-2007-XXXX, EB-2007-0571, EB-2005-0406

#####

### Sheet 4 - Smart Meter Information

The smart meter plan rate adder is a monthly service charge for metered customers equivalent to an amount of \$0.30 per month per residential customer for utilities that do not have a plan. A different amount applied to utilities who had a smart meter plan that was modified in accordance with the Decision with Reasons RP-2005-0020 / EB-2005-0529

Please identify the customer classes and sub-classes that the smart meter funding incremental adjustment applies to by inserting the smart meter rate adder into column D. For most utilities, the rate adder can be located in the Board-approved 2007 IRM model. Clicking the cursor on the Residential cell should show the formula for the monthly service charge including the smart meter adder. The adder is the same for all metered classes and sub-classes of a distributor.

Leave column F blank, and the model will by default use the existing rate adder in the following calculations. If a new value of the rate rider is required by a subsequent decision, Board staff will enter the appropriate values in column F.

#### Smart Meter Rate Adder

Residential  
General Service Less Than 50 kW  
General Service 50 to 4,999 kW  
Large Use

	2007 IRM	2008 IRM
\$	0.26	
\$	0.26	
\$	0.26	
\$	0.26	



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

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**Sheet 5 - Removal of Smart Meter and CDM**

Did the applicant receive Board approval for incremental CDM spending (over and above the 3rd tranche) in 2007?

YES  NO

Class	2007 Monthly Service Charge	2007 Volumetric Rate Charge	Less: 2007 Smart Meter Adder from Monthly Service Charge		Adjusted Monthly Service Charge	Adjusted Volumetric Charge	
	\$	kW / kWh	\$	\$	\$	kW / kWh	
<i>Residential</i>	\$ 11.79	\$ 0.0122	\$ 0.26	\$ 0.26	\$ 11.53	\$ 0.0122	\$/kWh
<i>General Service Less Than 50 kW</i>	\$ 25.37	\$ 0.0084	\$ 0.26	\$ 0.26	\$ 25.11	\$ 0.0084	\$/kWh
<i>General Service 50 to 4,999 kW</i>	\$ 217.77	\$ 2.2992	\$ 0.26	\$ 0.26	\$ 217.51	\$ 2.2992	\$/kW
<i>Large Use</i>	\$ 4,357.42	\$ 0.9365	\$ 0.26	\$ 0.26	\$ 4,357.16	\$ 0.9365	\$/kW
<i>Unmetered Scattered Load</i>	\$ 25.37	\$ 0.0084	\$ -	\$ -	\$ 25.37	\$ 0.0084	\$/kWh
<i>Sentinel Lighting</i>	\$ 0.83	\$ 4.3198	\$ -	\$ -	\$ 0.83	\$ 4.3198	\$/kW
<i>Street Lighting</i>	\$ 0.74	\$ 3.2709	\$ -	\$ -	\$ 0.74	\$ 3.2709	\$/kW



## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

### Peterborough Distribution Incorporated

EB-2007-XXXX, EB-2007-0571, EB-2005-0406

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### Sheet 6 - K-Factor Derivation

#### Capital Structure Transition

##### Size of Utility (Rate Base)

Year	Small [\$0, \$100M)		Med-Small [\$100M, \$250M)		Med-Large [\$250M, \$1B)		Large >=\$1B	
	Debt	Equity	Debt	Equity	Debt	Equity	Debt	Equity
2007	50.0%	50.0%	55.0%	45.0%	60.0%	40.0%	65.0%	35.0%
2008	53.3%	46.7%	57.5%	42.5%	60.0%	40.0%	62.5%	37.5%
2009	56.7%	43.3%	60.0%	40.0%	60.0%	40.0%	60.0%	40.0%
2010	60.0%	40.0%	60.0%	40.0%	60.0%	40.0%	60.0%	40.0%

#### Cost of Capital parameters

ROE	A	9.00%	(Board Approved 2006 EDR Model, Sheet 3-2, Cell E32)
Debt Rate	B	6.04%	(Board Approved 2006 EDR Model, Sheet 3-2, Cell C25)
Rate Base	C	\$ 47,471,343	(Board Approved 2006 EDR Model, Sheet 3-1, Cell F21)
Size of Utility	D	Small	

#### Deemed Capital Structure

	Debt	Equity	
Current	E1 50.0%	50.0%	E2 Based on C, copies the deemed D/E from row "2007" of the table
2008	F1 53.3%	46.7%	F2 Based on C, copies the deemed D/E from row "2008" of the table

#### Cost of Capital

Current	G	7.52%	= (E1 X B) + (E2 X A)	<b>Weighted Average Cost of capital</b>
2008	H	7.42%	= (F1 X B) + (F2 X A)	

#### Return on Rate Base

Current	I	\$ 3,569,844.99	= C X G / 100
2008	J	\$ 3,523,474.99	= C X H / 100

#### Distribution Expenses and Revenue Requirement (before PILs)

Distribution Expenses (other than PILs)	K	\$ 8,261,171	(Board Approved 2006 EDR Model, Sheet 4-1, Cell F15)
Base Revenue Requirement	L	\$ 12,340,465	(Board Approved 2006 EDR Model, Sheet 5-5, Cell F27)
Transformer Allowance Credit	M	\$ 226,077	(Board Approved 2006 EDR Model, Sheet 6-3, Cell "Total" in Row R120)

#### Revenue Requirement (before PILs)

Current	N	\$ 11,831,015.99	= I + K
2008	O	\$ 11,784,645.99	= J + K

#### Target Net Income (EBIT)

Current	\$ 2,136,210.44	P1 = I - P2
2008	\$ 1,995,220.55	Q1 = J - Q2

#### Interest Expense

Current	\$ 1,433,634.56	P2 = C X (B X E1 / 100)
2008	\$ 1,528,254.44	Q2 = C X (B X F1 / 100)

#### PILs

Tax Rate R 36.12% (Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D14)

Large Corporation Tax Allowance (if applicable) - grossed up	\$ -	S	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D31)
OCT (Rate Base less \$10,000,000 X 0.30%)	\$ 113,826	T	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D30)
PILs Allowance	\$ 1,625,632	U	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D33)
Taxable Income	Current \$ 2,673,703	AC	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D11)
	2008 \$ 2,622,777	AD	= AC + (Q1 - P1) * (R / 100)
Federal Tax (grossed up)	Current \$ 1,511,806	V	= AC * (R / 100) / (1 - R / 100) 1,625,632
	2008 \$ 1,483,011	W	= AD * (R / 100) / (1 - R / 100)

#### Base Revenue Requirement Adjustment (including PILs)

##### Revenue Requirement (less LCT) (LCT is removed as it was removed in from rates in 2007 EDR,

Current	\$ 13,456,647.76	X	= N + V + T
2008	\$ 13,381,482.66	Y	= O + W + T

#### Base Revenue Requirement (plus transformer allowance credit)

(Transformer allowance credit needs to be added onto revenue requirement for full rate recovery - similar to LCT calculation in 2007 EDR)

Current	\$ 12,566,541.53	Z	= L + M
2008	\$ 12,491,376.43	AA1	= Z + (Y - X)
Difference	\$ - 75,165.10	AA2	= AA1 - Z
K-factor	-0.6%	AB	= AA2 / Z



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT**  
**Peterborough Distribution Incorporated**  
**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**  
**Thursday, November 01, 2007**  
**Sheet 7 - Price Cap Adjustment**

Note: No inputs are required for this worksheet.

Price Escalator (GDP-IPI)	Average annual expected Productivity Gain (X)	(GDP-IPI) - X	K-Factor	Total Price Cap Adjustment
1.9%	1.0%	0.9%	-0.6%	0.3%
	Adjusted Monthly Service Charge	Monthly Service Charge with Price Cap Adjustment	Adjusted Volumetric Rate (kW / kWh)	Volumetric Rate with Price Cap Adjustment
<i>Residential</i>	\$ 11.53	\$ 11.56	\$ 0.0122	\$ 0.0122
<i>General Service Less Than 50 kW</i>	\$ 25.11	\$ 25.19	\$ 0.0084	\$ 0.0084
<i>General Service 50 to 4,999 kW</i>	\$ 217.51	\$ 218.16	\$ 2.2992	\$ 2.3061
<i>Large Use</i>	\$ 4,357.16	\$ 4,370.23	\$ 0.9365	\$ 0.9393
<i>Unmetered Scattered Load</i>	\$ 25.37	\$ 25.45	\$ 0.0084	\$ 0.0084
<i>Sentinel Lighting</i>	\$ 0.83	\$ 0.83	\$ 4.3198	\$ 4.3328
<i>Street Lighting</i>	\$ 0.74	\$ 0.74	\$ 3.2709	\$ 3.2807



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**  
**Peterborough Distribution Incorporated**  
**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**  
**Thursday, November 01, 2007**  
**Sheet 8 - Addback of Smart Meter Rate Adder**

Note: No inputs are required for this worksheet.

Class	Monthly Service Charge \$	Add: Smart Meter Rate Adder \$	Adjusted Monthly Service Charge \$	Adjusted Volumetric Charge kW / kWh
<i>Residential</i>	\$ 11.56	\$ 0.26	\$ 11.82	0.0122
<i>General Service Less Than 50 kW</i>	\$ 25.19	\$ 0.26	\$ 25.45	0.0084
<i>General Service 50 to 4,999 kW</i>	\$ 218.16	\$ 0.26	\$ 218.42	2.3061
<i>Large Use</i>	\$ 4,370.23	\$ 0.26	\$ 4,370.49	0.9393
<i>Unmetered Scattered Load</i>	\$ 25.45	-	\$ 25.45	0.0084
<i>Sentinel Lighting</i>	\$ 0.83	-	\$ 0.83	4.3328
<i>Street Lighting</i>	\$ 0.74	-	\$ 0.74	3.2807



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT**  
**Peterborough Distribution Incorporated**  
**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**  
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**Sheet 9. - Z-Factor Rate Rider Adjustment**

Is the Applicant seeking Board approval for other rate adjustments?  YES  NO

Z-Factor rate riders being applied for as part of the 2008 IRM rate adjustments should comply with Section 3.5 and Appendix C of the *Report of the Board on Cost of Capital and 2nd Generation Regulation Mechanism for Ontario's Electricity Distributors*, issued December 20, 2006 (link [http://www.oeb.gov.on.ca/documents/cases/EB-2006-0088/report\\_of\\_the\\_board\\_201206.pdf](http://www.oeb.gov.on.ca/documents/cases/EB-2006-0088/report_of_the_board_201206.pdf) ). Rate riders applied for should comply with the eligibility requirements. A distributor should also file adequate support for its proposal.

In columns C and D below, insert the Z-Factor rate riders associated with the rate adjustment. Provide a brief explanation about the nature of the rate adjustment.

Class	<i>Monthly Service Charge Rate Rider</i>	<i>Volumetric Charge Rate Rider</i>
	\$	kW / kWh
<i>Residential</i>	\$ 0.3800	\$ 0.0004
<i>General Service Less Than 50 kW</i>	\$ 0.8200	\$ 0.0003
<i>General Service 50 to 4,999 kW</i>	\$ 7.0800	\$ 0.0769
<i>Large Use</i>	\$ 141.7300	\$ 0.0165
<i>Unmetered Scattered Load</i>	\$ 0.8200	\$ 0.0003
<i>Sentinel Lighting</i>	\$ 0.0800	\$ 0.1411
<i>Street Lighting</i>	\$ 179.3200	\$ 0.1029

# Peterborough Distribution Incorporated

## Tariff OF RATES AND CHARGES

Effective May 1, 2008\*

(\*Except as otherwise noted)

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

EB-2007-0571

FOR OEB STAFF USE ONLY

### MONTHLY RATES AND CHARGES

#### Residential

Service Charge	\$	11.82
Service Charge - Non-Routine Rate Rider	\$	0.38
Distribution Volumetric Rate	\$/kWh	0.0122
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0004
Service Charge Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	0	0.3800
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kWh	0.0004
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0050
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0031
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### General Service Less Than 50 kW

Service Charge	\$	25.45
Service Charge - Non-Routine Rate Rider	\$	0.82
Distribution Volumetric Rate	\$/kWh	0.0084
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0003
Service Charge Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	0	0.8200
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0046
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0028
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### General Service 50 to 4,999 kW

Service Charge	\$	218.42
Service Charge - Non-Routine Rate Rider	\$	7.08
Distribution Volumetric Rate	\$/kW	2.3061
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.0769
Service Charge Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	0	7.0800
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kW	0.0769
Retail Transmission Rate – Network Service Rate	\$/kW	1.8672
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1063
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Large Use

Service Charge	\$	4,370.49
Service Charge - Non-Routine Rate Rider	\$	141.73
Distribution Volumetric Rate	\$/kW	0.9393
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.0165
Service Charge Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	0	141.7300
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kW	0.0165
Retail Transmission Rate – Network Service Rate	\$/kW	2.1958
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3869
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Unmetered Scattered Load

Service Charge (per customer)	\$	25.45
Service Charge - Non-Routine Rate Rider	\$	0.82
Distribution Volumetric Rate	\$/kWh	0.0084
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0003
Service Charge (per customer) Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	0	0.8200
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0046
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0028
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Sentinel Lighting

Service Charge (per connection)	\$	0.83
Service Charge - Non-Routine Rate Rider	\$	0.08
Distribution Volumetric Rate	\$/kW	4.3328
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.1411
Service Charge (per customer) Rate Rider for Storm Damage Cost Recovery - effective until August :	0	0.0800
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kW	0.1411
Retail Transmission Rate – Network Service Rate	\$/kW	1.4153
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8731
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Street Lighting

Service Charge (per connection)	\$	0.74
Service Charge - Non-Routine Rate Rider	\$	179.32
Distribution Volumetric Rate	\$/kW	3.2807
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.1029
Service Charge (per customer) Rate Rider for Storm Damage Cost Recovery - effective until August	0	179.3200
Distribution Volumetric Rate Rider for Storm Damage Cost Recovery - effective until August 31, 2008	\$/kW	0.1029
Retail Transmission Rate – Network Service Rate	\$/kW	1.4082
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8553
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25





## Specific Service Charges

### 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



## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

### Peterborough Distribution Incorporated

EB-2007-XXXX, EB-2007-0571, EB-2005-0406

Thursday, November 01, 2007

## Sheet 11 - Distribution Rate Change Summary

Note: No inputs are required for this worksheet.

### Residential

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 11.79	\$ 0.0122
Less: Smart meters	-\$ 0.26	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.10	\$ 0.0001
Add: K-Factor	\$ (0.07)	-\$ 0.0001
Add: Smart Meters	\$ 0.26	\$ -
<b>Final 2008 Rates</b>	<b>\$ 11.82</b>	<b>\$ 0.0122</b>

### General Service Less Than 50 kW

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 25.37	\$ 0.0084
Less: Smart meters	-\$ 0.26	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.23	\$ 0.0001
Add: K-Factor	\$ (0.15)	-\$ 0.0001
Add: Smart Meters	\$ 0.26	\$ -
<b>Final 2008 Rates</b>	<b>\$ 25.45</b>	<b>\$ 0.0084</b>

### General Service 50 to 4,999 kW

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 217.77	\$ 2.2992
Less: Smart meters	-\$ 0.26	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 1.96	\$ 0.0207
Add: K-Factor	\$ (1.31)	-\$ 0.0138
Add: Smart Meters	\$ 0.26	\$ -
<b>Final 2008 Rates</b>	<b>\$ 218.42</b>	<b>\$ 2.3061</b>

### Large Use

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 4,357.42	\$ 0.9365
Less: Smart meters	-\$ 0.26	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 39.21	\$ 0.0084
Add: K-Factor	\$ (26.14)	-\$ 0.0056
Add: Smart Meters	\$ 0.26	\$ -
<b>Final 2008 Rates</b>	<b>\$ 4,370.49</b>	<b>\$ 0.9393</b>



## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

**Thursday, November 01, 2007**

### **Sheet 11 - Distribution Rate Change Summary**

#### Unmetered Scattered Load

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 25.37	\$ 0.0084
Less: Smart meters	\$ -	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.23	\$ 0.0001
Add: K-Factor	\$ (0.15)	\$ 0.0001
Add: Smart Meters	\$ -	\$ -
<b>Final 2008 Rates</b>	<b>\$ 25.45</b>	<b>\$ 0.0084</b>

#### Sentinel Lighting

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 0.83	\$ 4.3198
Less: Smart meters	\$ -	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.01	\$ 0.0389
Add: K-Factor	\$ (0.00)	\$ 0.0259
Add: Smart Meters	\$ -	\$ -
<b>Final 2008 Rates</b>	<b>\$ 0.83</b>	<b>\$ 4.3328</b>

#### Street Lighting

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 0.74	\$ 3.2709
Less: Smart meters	\$ -	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.01	\$ 0.0294
Add: K-Factor	\$ (0.00)	\$ 0.0196
Add: Smart Meters	\$ -	\$ -
<b>Final 2008 Rates</b>	<b>\$ 0.74</b>	<b>\$ 3.2807</b>



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

**Thursday, November 01, 2007**

**Sheet 11 - Distribution Rate Change Summary**



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

**Thursday, November 01, 2007**

**Sheet 11 - Distribution Rate Change Summary**



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

**Thursday, November 01, 2007**

**Sheet 12 - Annualized Bill Impact**

**Instructions**

(Remember, **green cells** are input cells)

1. Enter your desired consumption in both kWh and kW (if needed) into the green cells beneath the class name.
2. The Debt Retirement Charge (DRC) has been set at \$0.07. The figure can be overwritten if your LDC bills a different amount for the DRC.

Regulated Price Plan	Residential	May-07 Threshold	May-07 \$/ kWh	May-08 Threshold	May-08 \$/ kWh
less than or equal to		600 \$	0.053	600 \$	0.053
greater than		> 600 \$	0.062	> 600 \$	0.062

Regulated Price Plan	Non-Residential	May-07 Threshold	May-07 \$/ kWh	May-08 Threshold	May-08 \$/ kWh
less than or equal to		750 \$	0.053	750 \$	0.053
greater than		> 750 \$	0.062	> 750 \$	0.062

**Residential**

<b>Consumption</b>	<b>2,000 kWh</b>	<b>0 kW</b>	<b>Loss Factor 1.035</b>
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	2007 BILL			2008 BILL			IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%
Energy First Tier (kWh)	600	\$ 0.0530	\$ 31.80	600	\$ 0.0530	\$ 31.80	\$0.00	0.0%
Energy Second Tier (kWh)	1,470	\$ 0.0620	\$ 91.14	1,470	\$ 0.0620	\$ 91.14	\$0.00	0.0%
<b>Sub-Total: Energy</b>			<b>\$ 122.94</b>			<b>\$ 122.94</b>	<b>\$0.00</b>	<b>0.0%</b>
Monthly Service Charge	1	\$ 11.79	\$ 11.79	1	\$ 11.82	\$ 11.82	\$0.03	0.3%
Distribution (kWh)	2,000	\$ 0.0122	\$ 24.40	2,000	\$ 0.0122	\$ 24.40	\$0.00	0.0%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%
Regulatory Assets (kWh)	2,000	\$ 0.0022	\$ 4.40	2,000	\$ -	\$ -	(\$4.40)	(100.0)%
Rate Riders	2,000	\$ 0.3804	\$ 760.80	2,000	\$ 0.3804	\$ 760.80	\$0.00	0.0%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 0.38	\$ 0.38	\$0.38	0.0%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	2,000	\$ 0.0004	\$ 0.80	\$0.80	0.0%
Retail Transmission Rate – Network Service Rate	2,070	\$ 0.0050	\$ 10.38	2,070	\$ 0.0050	\$ 10.38	\$0.00	0.0%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,070	\$ 0.0031	\$ 6.38	2,070	\$ 0.0031	\$ 6.38	\$0.00	0.0%
<b>Sub-Total: Delivery</b>			<b>\$ 818.15</b>			<b>\$ 814.96</b>	<b>(\$3.19)</b>	<b>(0.4)%</b>
Wholesale Market Service Rate	2070	\$ 0.0052	\$ 10.76	2070	\$ 0.0052	\$ 10.76	\$0.00	0.0%
Rural Rate Protection Charge	2070	\$ 0.0010	\$ 2.07	2070	\$ 0.0010	\$ 2.07	\$0.00	0.0%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%
<b>Sub-Total: Regulatory</b>			<b>\$ 13.08</b>			<b>\$ 13.08</b>	<b>\$0.00</b>	<b>0.0%</b>
Debt Retirement Charge (DRC)	2,000	\$ 0.0067	\$ 13.40	2,000	\$ 0.0067	\$ 13.40	\$0.00	0.0%
<b>Total Bill before Taxes</b>			<b>\$ 967.57</b>			<b>\$ 964.38</b>	<b>(\$3.19)</b>	<b>(0.3)%</b>
GST	\$ 967.57	6.00%	\$ 58.05	\$ 964.38	6.00%	\$ 57.86	(\$0.19)	(0.3)%
<b>Total Bill after Taxes</b>			<b>\$ 1,025.63</b>			<b>\$ 1,022.25</b>	<b>(\$3.38)</b>	<b>(0.3)%</b>

**General Service Less Than 50 kW**

<b>Consumption</b>	<b>2,000 kWh</b>	<b>0 kW</b>	<b>Loss Factor 1.035</b>
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	2007 BILL			2008 BILL			IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%
Energy Second Tier (kWh)	1,320	\$ 0.0620	\$ 81.84	1,320	\$ 0.0620	\$ 81.84	\$0.00	0.0%
<b>Sub-Total: Energy</b>			<b>\$ 121.59</b>			<b>\$ 121.59</b>	<b>\$0.00</b>	<b>0.0%</b>
Monthly Service Charge	1	\$ 25.37	\$ 25.37	1	\$ 25.45	\$ 25.45	\$0.08	0.3%
Distribution (kWh)	2,000	\$ 0.0084	\$ 16.80	2,000	\$ 0.0084	\$ 16.80	\$0.00	0.0%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%
Regulatory Assets (kWh)	2,000	\$ 0.0005	\$ 1.00	2,000	\$ -	\$ -	(\$1.00)	(100.0)%
Rate Riders	2,000	\$ 0.8203	\$ 1,640.60	2,000	\$ 0.8203	\$ 1,640.60	\$0.00	0.0%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 0.82	\$ 0.82	\$0.82	0.0%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	2,000	\$ 0.0003	\$ 0.60	\$0.60	0.0%
Retail Transmission Rate – Network Service Rate	2,070	\$ 0.0046	\$ 9.47	2,070	\$ 0.0046	\$ 9.47	\$0.00	0.0%



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

**Thursday, November 01, 2007**

**Sheet 12 - Annualized Bill Impact**

**Instructions**

(Remember, **green cells** are input cells)

1. Enter your desired consumption in both kWh and kW (if needed) into the green cells beneath the class name.
2. The Debt Retirement Charge (DRC) has been set at \$0.07. The figure can be overwritten if your LDC bills a different amount for the DRC.

Retail Transmission Rate – Line and Transformation Connection Service Rate	2,070	\$ 0.0028	\$ 5.83	2,070	\$ 0.0028	\$ 5.83	\$0.00	0.0%
<b>Sub-Total: Delivery</b>			<b>\$ 1,699.07</b>			<b>\$ 1,699.57</b>	<b>\$0.50</b>	<b>0.0%</b>
Wholesale Market Service Rate	2070	\$ 0.0052	\$ 10.76	2070	\$ 0.0052	\$ 10.76	\$0.00	0.0%
Rural Rate Protection Charge	2070	\$ 0.0010	\$ 2.07	2070	\$ 0.0010	\$ 2.07	\$0.00	0.0%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%
<b>Sub-Total: Regulatory</b>			<b>\$ 13.08</b>			<b>\$ 13.08</b>	<b>\$0.00</b>	<b>0.0%</b>
<b>Debt Retirement Charge (DRC)</b>	2,000	\$ 0.0067	<b>\$ 13.40</b>	2,000	\$ 0.0067	<b>\$ 13.40</b>	<b>\$0.00</b>	<b>0.0%</b>
<b>Total Bill before Taxes</b>			<b>\$ 1,847.15</b>			<b>\$ 1,847.65</b>	<b>\$0.50</b>	<b>0.0%</b>
GST	\$ 1,847.15	6.00%	\$ 110.83	\$ 1,847.65	6.00%	\$ 110.86	\$0.03	0.0%
<b>Total Bill after Taxes</b>			<b>\$ 1,957.97</b>			<b>\$ 1,958.50</b>	<b>\$0.53</b>	<b>0.0%</b>

**General Service 50 to 4,999 kW**

<b>Consumption</b>	<b>100,000 kWh</b>	<b>500 kW</b>	<b>Loss Factor 1.035</b>
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	2007 BILL			2008 BILL			IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%
Energy Second Tier (kWh)	102,750	\$ 0.0620	\$ 6,370.50	102,750	\$ 0.0620	\$ 6,370.50	\$0.00	0.0%
<b>Sub-Total: Energy</b>			<b>\$ 6,410.25</b>			<b>\$ 6,410.25</b>	<b>\$0.00</b>	<b>0.0%</b>
Monthly Service Charge	1	\$ 217.77	\$ 217.77	1	\$ 218.42	\$ 218.42	\$0.65	0.3%
Distribution (kWh)	100,000	\$ -	\$ -	100,000	\$ -	\$ -	\$0.00	0.0%
Distribution (kW)	500	\$ 2.2992	\$ 1,149.60	500	\$ 2.3061	\$ 1,153.05	\$3.45	0.3%
Regulatory Assets (kWh)	500	\$ 0.0385	\$ 19.25	500	\$ -	\$ -	\$19.25	(100.0)%
Rate Riders	500	\$ 7.1569	\$ 3,578.45	500	\$ 7.1569	\$ 3,578.45	\$0.00	0.0%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 7.08	\$ 7.08	\$7.08	0.0%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	500	\$ 0.0769	\$ 38.45	\$38.45	0.0%
Retail Transmission Rate – Network Service Rate	518	\$ 1.8672	\$ 966.27	518	\$ 1.8672	\$ 966.27	\$0.00	0.0%
Retail Transmission Rate – Line and Transformation Connection Service Rate	518	\$ 1.1063	\$ 572.53	518	\$ 1.1063	\$ 572.53	\$0.00	0.0%
<b>Sub-Total: Delivery</b>			<b>\$ 6,465.37</b>			<b>\$ 6,534.25</b>	<b>\$68.88</b>	<b>1.1%</b>
Wholesale Market Service Rate	103500	\$ 0.0052	\$ 538.20	103500	\$ 0.0052	\$ 538.20	\$0.00	0.0%
Rural Rate Protection Charge	103500	\$ 0.0010	\$ 103.50	103500	\$ 0.0010	\$ 103.50	\$0.00	0.0%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%
<b>Sub-Total: Regulatory</b>			<b>\$ 641.95</b>			<b>\$ 641.95</b>	<b>\$0.00</b>	<b>0.0%</b>
<b>Debt Retirement Charge (DRC)</b>	100,000	\$ 0.0067	<b>\$ 670.00</b>	100,000	\$ 0.0067	<b>\$ 670.00</b>	<b>\$0.00</b>	<b>0.0%</b>
<b>Total Bill before Taxes</b>			<b>\$ 14,187.57</b>			<b>\$ 14,256.45</b>	<b>\$68.88</b>	<b>0.5%</b>
GST	\$ 14,187.57	6.00%	\$ 851.25	\$ 14,256.45	6.00%	\$ 855.39	\$4.13	0.5%
<b>Total Bill after Taxes</b>			<b>\$ 15,038.82</b>			<b>\$ 15,111.83</b>	<b>\$73.01</b>	<b>0.5%</b>



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

**Thursday, November 01, 2007**

**Sheet 12 - Annualized Bill Impact**

**Instructions**

(Remember, **green cells** are input cells)

1. Enter your desired consumption in both kWh and kW (if needed) into the green cells beneath the class name.
2. The Debt Retirement Charge (DRC) has been set at \$0.07. The figure can be overwritten if your LDC bills a different amount for the DRC.

**Large Use**

<i>Consumption</i>	<b>2,000,000 kWh</b>	<b>5,000 kW</b>	<i>Loss Factor 1.01045</i>					
	<b>2007 BILL</b>			<b>2008 BILL</b>			<b>IMPACT</b>	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%
Energy Second Tier (kWh)	2,020,150	\$ 0.0620	\$ 125,249.30	2,020,150	\$ 0.0620	\$ 125,249.30	\$0.00	0.0%
<b>Sub-Total: Energy</b>			<b>\$ 125,289.05</b>			<b>\$ 125,289.05</b>	<b>\$0.00</b>	<b>0.0%</b>
Monthly Service Charge	1	\$ 4,357.42	\$ 4,357.42	1	\$ 4,370.49	\$ 4,370.49	\$13.07	0.3%
Distribution (kWh)	2,000,000	\$ -	\$ -	2,000,000	\$ -	\$ -	\$0.00	0.0%
Distribution (kW)	5,000	\$ 0.9365	\$ 4,682.50	5,000	\$ 0.9393	\$ 4,696.50	\$14.00	0.3%
Regulatory Assets (kWh)	5,000	-\$ 0.6211	-\$ 3,105.50	5,000	\$ -	\$ -	\$3,105.50	(100.0)%
Rate Riders	5,000	\$ 141.7465	\$ 708,732.50	5,000	\$ 141.7465	\$ 708,732.50	\$0.00	0.0%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 141.73	\$ 141.73	\$141.73	0.0%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	5,000	\$ 0.0165	\$ 82.50	\$82.50	0.0%
Retail Transmission Rate – Network Service Rate	5,052	\$ 2.1958	\$ 11,093.61	5,052	\$ 2.1958	\$ 11,093.61	\$0.00	0.0%
Retail Transmission Rate – Line and Transformation Connection Service Rate	5,052	\$ 1.3869	\$ 7,006.86	5,052	\$ 1.3869	\$ 7,006.86	\$0.00	0.0%
<b>Sub-Total: Delivery</b>			<b>\$ 732,767.39</b>			<b>\$ 736,124.19</b>	<b>\$3,356.80</b>	<b>0.5%</b>
Wholesale Market Service Rate	2020900	\$ 0.0052	\$ 10,508.68	2020900	\$ 0.0052	\$ 10,508.68	\$0.00	0.0%
Rural Rate Protection Charge	2020900	\$ 0.0010	\$ 2,020.90	2020900	\$ 0.0010	\$ 2,020.90	\$0.00	0.0%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%
<b>Sub-Total: Regulatory</b>			<b>\$ 12,529.83</b>			<b>\$ 12,529.83</b>	<b>\$0.00</b>	<b>0.0%</b>
<b>Debt Retirement Charge (DRC)</b>	2,000,000	\$ 0.0067	\$ 13,400.00	2,000,000	\$ 0.0067	\$ 13,400.00	\$0.00	0.0%
<b>Total Bill before Taxes</b>			<b>\$ 883,986.27</b>			<b>\$ 887,343.07</b>	<b>\$3,356.80</b>	<b>0.4%</b>
<b>GST</b>	\$ 883,986.27	6.00%	\$ 53,039.18	\$ 887,343.07	6.00%	\$ 53,240.58	<b>\$201.41</b>	<b>0.4%</b>
<b>Total Bill after Taxes</b>			<b>\$ 937,025.45</b>			<b>\$ 940,583.66</b>	<b>\$3,558.21</b>	<b>0.4%</b>

**Unmetered Scattered Load**

<i>Consumption</i>	<b>2,000,000 kWh</b>	<b>5,000 kW</b>	<i>Loss Factor 1.035</i>					
	<b>2007 BILL</b>			<b>2008 BILL</b>			<b>IMPACT</b>	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%
Energy Second Tier (kWh)	2,069,250	\$ 0.0620	\$ 128,293.50	2,069,250	\$ 0.0620	\$ 128,293.50	\$0.00	0.0%
<b>Sub-Total: Energy</b>			<b>\$ 128,333.25</b>			<b>\$ 128,333.25</b>	<b>\$0.00</b>	<b>0.0%</b>
Monthly Service Charge	1	\$ 25.37	\$ 25.37	1	\$ 25.45	\$ 25.45	\$0.08	0.3%
Distribution (kWh)	2,000,000	\$ -	\$ -	2,000,000	\$ -	\$ -	\$0.00	0.0%
Distribution (kW)	5,000	\$ 0.0084	\$ 42.00	5,000	\$ 0.0084	\$ 42.00	\$0.00	0.0%
Regulatory Assets (kWh)	5,000	\$ 0.0005	\$ 2.50	5,000	\$ -	\$ -	(\$2.50)	(100.0)%
Rate Riders	5,000	\$ 0.8203	\$ 4,101.50	5,000	\$ 0.8203	\$ 4,101.50	\$0.00	0.0%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 0.82	\$ 0.82	\$0.82	0.0%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	5,000	\$ 0.0003	\$ 1.50	\$1.50	0.0%
Retail Transmission Rate – Network Service Rate	5,175	\$ 0.0046	\$ 23.68	5,175	\$ 0.0046	\$ 23.68	\$0.00	0.0%
Retail Transmission Rate – Line and Transformation Connection Service Rate	5,175	\$ 0.0028	\$ 14.57	5,175	\$ 0.0028	\$ 14.57	\$0.00	0.0%
<b>Sub-Total: Delivery</b>			<b>\$ 4,209.62</b>			<b>\$ 4,209.52</b>	<b>(\$0.10)</b>	<b>(0.0)%</b>
Wholesale Market Service Rate	2070000	\$ 0.0052	\$ 10,764.00	2070000	\$ 0.0052	\$ 10,764.00	\$0.00	0.0%
Rural Rate Protection Charge	2070000	\$ 0.0010	\$ 2,070.00	2070000	\$ 0.0010	\$ 2,070.00	\$0.00	0.0%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%
<b>Sub-Total: Regulatory</b>			<b>\$ 12,834.25</b>			<b>\$ 12,834.25</b>	<b>\$0.00</b>	<b>0.0%</b>
<b>Debt Retirement Charge (DRC)</b>	2,000,000	\$ 0.0067	\$ 13,400.00	2,000,000	\$ 0.0067	\$ 13,400.00	\$0.00	0.0%
<b>Total Bill before Taxes</b>			<b>\$ 158,777.12</b>			<b>\$ 158,777.02</b>	<b>(\$0.10)</b>	<b>(0.0)%</b>
<b>GST</b>	\$ 158,777.12	6.00%	\$ 9,526.63	\$ 158,777.02	6.00%	\$ 9,526.62	<b>(\$0.01)</b>	<b>(0.0)%</b>



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

**Thursday, November 01, 2007**

**Sheet 12 - Annualized Bill Impact**

**Instructions**

(Remember, green cells are input cells)

1. Enter your desired consumption in both kWh and kW (if needed) into the green cells beneath the class name.
2. The Debt Retirement Charge (DRC) has been set at \$0.07. The figure can be overwritten if your LDC bills a different amount for the DRC.

<b>Total Bill after Taxes</b>	\$	168,303.75		\$	168,303.65	(\$0.11)	(0.0)%
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**Sentinel Lighting**

<b>Consumption</b>	<b>2,000,000 kWh</b>	<b>5,000 kW</b>	<b>Loss Factor 1.035</b>
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	2007 BILL			2008 BILL			IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%
Energy Second Tier (kWh)	2,069,250	\$ 0.0620	\$ 128,293.50	2,069,250	\$ 0.0620	\$ 128,293.50	\$0.00	0.0%
<b>Sub-Total: Energy</b>			<b>\$ 128,333.25</b>			<b>\$ 128,333.25</b>	<b>\$0.00</b>	<b>0.0%</b>
Monthly Service Charge	1	\$ 0.83	\$ 0.83	1	\$ 0.83	\$ 0.83	\$0.00	0.0%
Distribution (kWh)	2,000,000	\$ -	\$ -	2,000,000	\$ -	\$ -	\$0.00	0.0%
Distribution (kW)	5,000	\$ 4.3198	\$ 21,599.00	5,000	\$ 4.3328	\$ 21,664.00	\$65.00	0.3%
Regulatory Assets (kWh)	5,000	\$ 0.9199	\$ 4,599.50	5,000	\$ -	\$ -	(\$4,599.50)	(100.0)%
Rate Riders	5,000	\$ 0.2211	\$ 1,105.50	5,000	\$ 0.2211	\$ 1,105.50	\$0.00	0.0%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 0.08	\$ 0.08	\$0.08	0.0%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	5,000	\$ 0.1411	\$ 705.50	\$705.50	0.0%
Retail Transmission Rate – Network Service Rate	5,175	\$ 1.4153	\$ 7,324.20	5,175	\$ 1.4153	\$ 7,324.20	\$0.00	0.0%
Retail Transmission Rate – Line and Transformation Connection Service Rate	5,175	\$ 0.8731	\$ 4,518.48	5,175	\$ 0.8731	\$ 4,518.48	\$0.00	0.0%
<b>Sub-Total: Delivery</b>			<b>\$ 39,147.51</b>			<b>\$ 35,318.59</b>	<b>(\$3,828.92)</b>	<b>(9.8)%</b>
Wholesale Market Service Rate	2070000	\$ 0.0052	\$ 10,764.00	2070000	\$ 0.0052	\$ 10,764.00	\$0.00	0.0%
Rural Rate Protection Charge	2070000	\$ 0.0010	\$ 2,070.00	2070000	\$ 0.0010	\$ 2,070.00	\$0.00	0.0%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%
<b>Sub-Total: Regulatory</b>			<b>\$ 12,834.25</b>			<b>\$ 12,834.25</b>	<b>\$0.00</b>	<b>0.0%</b>
Debt Retirement Charge (DRC)	2,000,000	\$ 0.0067	\$ 13,400.00	2,000,000	\$ 0.0067	\$ 13,400.00	\$0.00	0.0%
<b>Total Bill before Taxes</b>			<b>\$ 193,715.01</b>			<b>\$ 189,886.09</b>	<b>(\$3,828.92)</b>	<b>(2.0)%</b>
GST	\$ 193,715.01	6.00%	\$ 11,622.90	\$ 189,886.09	6.00%	\$ 11,393.17	(\$229.74)	(2.0)%
<b>Total Bill after Taxes</b>			<b>\$ 205,337.91</b>			<b>\$ 201,279.25</b>	<b>(\$4,058.66)</b>	<b>(2.0)%</b>

**Street Lighting**

<b>Consumption</b>	<b>2,000,000 kWh</b>	<b>5,000 kW</b>	<b>Loss Factor 1.035</b>
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	2007 BILL			2008 BILL			IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%
Energy Second Tier (kWh)	2,069,250	\$ 0.0620	\$ 128,293.50	2,069,250	\$ 0.0620	\$ 128,293.50	\$0.00	0.0%
<b>Sub-Total: Energy</b>			<b>\$ 128,333.25</b>			<b>\$ 128,333.25</b>	<b>\$0.00</b>	<b>0.0%</b>
Monthly Service Charge	1	\$ 0.74	\$ 0.74	1	\$ 0.74	\$ 0.74	\$0.00	0.0%
Distribution (kWh)	2,000,000	\$ -	\$ -	2,000,000	\$ -	\$ -	\$0.00	0.0%
Distribution (kW)	5,000	\$ 3.2709	\$ 16,354.50	5,000	\$ 3.2807	\$ 16,403.50	\$49.00	0.3%
Regulatory Assets (kWh)	5,000	\$ 0.4220	\$ 2,110.00	5,000	\$ -	\$ -	\$2,110.00	(100.0)%
Rate Riders	5,000	\$ 179.4229	\$ 897,114.50	5,000	\$ 179.4229	\$ 897,114.50	\$0.00	0.0%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 179.32	\$ 179.32	\$179.32	0.0%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	5,000	\$ 0.1029	\$ 514.50	\$514.50	0.0%
Retail Transmission Rate – Network Service Rate	5,175	\$ 1.4082	\$ 7,287.31	5,175	\$ 1.4082	\$ 7,287.31	\$0.00	0.0%
Retail Transmission Rate – Line and Transformation Connection Service Rate	5,175	\$ 0.8553	\$ 4,426.03	5,175	\$ 0.8553	\$ 4,426.03	\$0.00	0.0%
<b>Sub-Total: Delivery</b>			<b>\$ 923,073.08</b>			<b>\$ 925,925.90</b>	<b>\$2,852.82</b>	<b>0.3%</b>
Wholesale Market Service Rate	2070000	\$ 0.0052	\$ 10,764.00	2070000	\$ 0.0052	\$ 10,764.00	\$0.00	0.0%
Rural Rate Protection Charge	2070000	\$ 0.0010	\$ 2,070.00	2070000	\$ 0.0010	\$ 2,070.00	\$0.00	0.0%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%
<b>Sub-Total: Regulatory</b>			<b>\$ 12,834.25</b>			<b>\$ 12,834.25</b>	<b>\$0.00</b>	<b>0.0%</b>



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Peterborough Distribution Incorporated**

**EB-2007-XXXX, EB-2007-0571, EB-2005-0406**

**Thursday, November 01, 2007**

**Sheet 12 - Annualized Bill Impact**

**Instructions**

(Remember, green cells are input cells)

1. Enter your desired consumption in both kWh and kW (if needed) into the green cells beneath the class name.
2. The Debt Retirement Charge (DRC) has been set at \$0.07. The figure can be overwritten if your LDC bills a different amount for the DRC.

Debt Retirement Charge (DRC)	2,000,000	\$ 0.0067	\$ 13,400.00	2,000,000	\$ 0.0067	\$ 13,400.00	\$0.00	0.0%
Total Bill before Taxes			\$ 1,077,640.58			\$ 1,080,493.40	\$2,852.82	0.3%
GST	\$ 1,077,640.58	6.00%	\$ 64,658.44	\$ 1,080,493.40	6.00%	\$ 64,829.60	\$171.17	0.3%
<b>Total Bill after Taxes</b>			<b>\$ 1,142,299.02</b>			<b>\$ 1,145,323.01</b>	<b>\$3,023.99</b>	<b>0.3%</b>



<b>% of Total Bill</b>
3.11%
8.92%
<b>12.03%</b>
1.16%
2.39%
0.00%
0.00%
74.42%
0.04%
0.08%
1.02%
0.62%
<b>79.72%</b>
1.05%
0.20%
0.02%
<b>1.28%</b>
<b>1.31%</b>
<b>94.34%</b>
<b>5.66%</b>
<b>100.00%</b>

<b>% of Total Bill</b>
2.03%
4.18%
<b>6.21%</b>
1.30%
0.86%
0.00%
0.00%
83.77%
0.04%
0.03%
0.48%



0.30%
<b>86.78%</b>
0.55%
0.11%
0.01%
<b>0.67%</b>
<b>0.68%</b>
<b>94.34%</b>
<b>5.66%</b>
<b>100.00%</b>

<b>% of Total Bill</b>
0.26%
42.16%
<b>42.42%</b>
1.45%
0.00%
7.63%
0.00%
23.68%
0.05%
0.25%
6.39%
3.79%
<b>43.24%</b>
3.56%
0.68%
0.00%
<b>4.25%</b>
<b>4.43%</b>
<b>94.34%</b>
<b>5.66%</b>
<b>100.00%</b>

% of Total Bill
0.00%
13.32%
<b>13.32%</b>
0.46%
0.00%
0.50%
0.00%
75.35%
0.02%
0.01%
1.18%
0.74%
<b>78.26%</b>
1.12%
0.21%
0.00%
<b>1.33%</b>
<b>1.42%</b>
<b>94.34%</b>
<b>5.66%</b>
<b>100.00%</b>

% of Total Bill
0.02%
76.23%
<b>76.25%</b>
0.02%
0.00%
0.02%
0.00%
2.44%
0.00%
0.00%
0.01%
0.01%
<b>2.50%</b>
6.40%
1.23%
0.00%
<b>7.63%</b>
<b>7.96%</b>
<b>94.34%</b>
<b>5.66%</b>

██████████

**100.00%**

<b>% of Total Bill</b>
0.02%
63.74%
<b>63.76%</b>
0.00%
0.00%
10.76%
0.00%
0.55%
0.00%
0.35%
3.64%
2.24%
<b>17.55%</b>
5.35%
1.03%
0.00%
<b>6.38%</b>
<b>6.66%</b>
<b>94.34%</b>
<b>5.66%</b>
<b>100.00%</b>

<b>% of Total Bill</b>
0.00%
11.20%
<b>11.20%</b>
0.00%
0.00%
1.43%
0.00%
78.33%
0.02%
0.04%
0.64%
0.39%
<b>80.84%</b>
0.94%
0.18%
0.00%
<b>1.12%</b>



1.17%
94.34%
5.66%
100.00%