



**CANADIAN NIAGARA POWER INC.**

A **FORTIS** ONTARIO  
Company

**BY COURIER**

October 29, 2007

Ms. Kirsten Walli  
Board Secretary  
Ontario Energy Board  
2300 Yonge Street  
Suite 2700  
P.O. Box 2319  
Toronto, ON M4P 1E4

Dear Ms. Walli:

**RE: CANADIAN NIAGARA POWER INC. – PORT COLBORNE 2008 IRM  
EB-2006-0088, EB-2006-0089**

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Please find attached two paper copies of Canadian Niagara Power Inc. – Port Colborne's 2008 Incentive Rate Mechanism Application. Along with the paper copies of the Application is a CD containing a copy of the Application in PDF format, the 2008 IRM Model in Excel format and an Excel spreadsheet calculating the September 1, 2007 to May 1, 2008 total bill impacts.

Yours truly,

Douglas R. Bradbury  
Director, Regulatory Affairs

Enclosures



**CANADIAN  
NIAGARA POWER INC.**

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**EB-2007-**

**CANADIAN NIAGARA POWER INC.  
PORT COLBORNE  
2008 IRM APPLICATION**

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**SUBMITTED: OCTOBER 29, 2007**



1

2 CNPI – Port Colborne is applying for electricity distribution rates on the basis of the  
3 Report and the 2008 IRM instructions.

4

5 CNPI – Port Colborne is seeking approval of adjusted electricity distribution rates to  
6 be implemented on May 1, 2008.

7

8 The evidence to be filed with the Board will include; the 2008 IRM related to CNPI –  
9 Port Colborne, completed in compliance with Board instructions, and the findings in  
10 the Board's Decision and Order related to CNPI – Port Colborne's 2007 IRM, EB-  
11 2007-0595.

12

13 The written evidence filed with the Board may be amended prior to the Board's final  
14 decision. Further, CNPI – Port Colborne may seek meetings with Board staff and  
15 intervenors in an attempt to identify and reach agreements to settle issues arising  
16 out of this application.

17

18 The persons affected by this application are the rate payers of CNPI – Port  
19 Colborne's distribution business.

1 CNPI – Port Colborne contact information for matters related to this application is as  
2 follows:

3 (a) Representing The Applicant:

4 Mr. Douglas R. Bradbury  
5 Director Regulatory Affairs  
6 Canadian Niagara Power Inc.

7 Mailing Address: 1130 Bertie Street  
8 P. O. Box 1218  
9 Fort Erie, Ontario L2A 5Y2  
10 Telephone: (905) 994-3634  
11 Fax: (905) 994 2207  
12 Email: doug.bradbury@cnpower.com

13 (b) The Applicant's counsel:

14 Mr. R. Scott Hawkes  
15 Vice President, Corporate Services and General Counsel  
16 Canadian Niagara Power Inc.

17  
18 Mailing Address: 1130 Bertie Street  
19 P. O. Box 1218  
20 Fort Erie, Ontario L2A 5Y2  
21 Telephone: (905) 994-3642  
22 Fax: (905) 871-8676  
23 Email: scott.hawkes@fortisontario.com

24 DATED at Fort Erie, Ontario this 29th day of October, 2007.

25  
26 CANADIAN NIAGARA POWER INC.

27  
28   
29

30 Douglas Bradbury  
31 Director Regulatory Affairs  
32

1 **MANAGER'S SUMMARY**

2

3 **PREAMBLE**

4

5 CNPI – Port Colborne has used the Board approved 2006 EDR, the Board approved  
6 2006 PILS / Corporate Tax Filing, RP-2005-0020/EB-2005-0345, and the Board  
7 approved 2007 IRM with Z-Factor Recovery, EB-2007-0595, as the basis for inputs  
8 to the 2008 IRM.

9

10 CNPI – Port Colborne has used the Board's Decision and Order related to EB-2007-  
11 0595 as the basis for 2007 electricity distribution rates, service classifications and  
12 rate classifications for inputs to the 2008 IRM Model.

13

14 CNPI – Port Colborne had a deemed capital structure of 50 % debt and 50% equity  
15 in the 2006 EDR. CNPI – Port Colborne has complied with Board instructions and in  
16 the 2008 IRM Model has completed the required adjustment to reflect a capital  
17 structure of 53.3 % debt and 46.7% equity.

18

19 CNPI – Port Colborne has not modified the 2008 IRM Model. CNPI – Port Colborne  
20 received its Final Order related to EB-2007-0595 on August 10, 2007. To show the  
21 bill impacts to customers reflecting the rate changes from September 1, 2007 to May  
22 1, 2008, CNPI – Port Colborne has provided a supplementary excel spreadsheet  
23 detailing these calculations.

24

25 **THE 2008 IRM MODEL**

26

27 CNPI – Port Colborne has completed the 2008 IRM Model in compliance with the  
28 instructions provided by the Board. The service and rate classifications together  
29 with the associated electricity distribution rates included in the 2008 IRM Model are

1 those approved by the Board in its Decision and Order in the matter of EB-2007-  
2 0595. Additional information associated with the determination of the cost of capital  
3 has been sourced from the Board approved 2006 EDR and the Board approved  
4 2006 PILS / Corporate Tax Filing, RP-2005-0020/EB-2005-0345. CNPI – Port  
5 Colborne's 2008 IRM Model is attached as Appendix A. A live version the 2008 IRM  
6 Model Excel spreadsheet is also being provided to the Board.

7  
8 **REGULATORY ASSETS**

9  
10 CNPI – Port Colborne currently has an approved regulatory asset recovery in its  
11 2007 electricity distribution rates as pursuant to the Board's Decision and Order in  
12 the matter of RP-2005-0020/EB-2005-0345 and in the matter of EB-2007-0595.  
13 There is no provision to continue the recovery of regulatory assets beyond April 30,  
14 2008 and consequently the rate riders associated with this recovery have been  
15 removed from rates to reflect the end of the regulatory asset recovery period.

16  
17 **SMART METER RATE ADDER**

18  
19 The smart metering plan rate adder approved by the Board in its Decision and Order  
20 in the matter of RP-2005-0020/EB-2005-0345 has been removed from the 2007  
21 rates for the purpose of applying the incentive rate mechanism adjustment and then  
22 re-incorporated into the 2008 rates.

23  
24 **INCREMENTAL APPROVED CDM FUNDING**

25  
26 CNPI – Port Colborne did not receive Board approved incremental CDM spending in  
27 the 2006 EDR and therefore no action has been taken in the 2008 IRM model.

1 **ADJUSTMENT FOR THE TRANSITION TO A COMMON DEEMED CAPITAL STRUCTURE**

2

3 CNPI – Port Colborne has completed the adjustment for the transition to a common  
4 deemed capital structure, specifically:

- 5 • Deemed debt 53.3%
- 6 • Deemed equity 46.7%
- 7 • Resultant K-factor -0.2%

8

9 **PRICE CAP ADJUSTMENT**

10

11 CNPI – Port Colborne has complied with the Board's direction and has used an X-  
12 factor of 1% and the current value of 1.9% as the price escalator. CNPI – Port  
13 Colborne acknowledges that the Board will adjust the inflation index in the  
14 application model when the final 2007 data is published by Statistics Canada.

15

16 **RATE RIDERS**

17

18 In its Decision and Order in the matter of an application by CNPI – Port Colborne for  
19 an order or orders approving or fixing just and reasonable electricity distribution  
20 rates and other charges for 2007, EB-2007-0595, the Board approved a final 2007  
21 rate order effective September 1, 2007. That rate order included approval of Rate  
22 Riders for recovery of costs incurred due to extraordinary events and is effective  
23 until August 31, 2008.

24

25 CNPI – Port Colborne has identified these Rate Riders in the 2008 IRM model.

26 These Rate Riders are not subject to rate adjustment.



1 **2008 ELECTRICITY DISTRIBUTION RATES REQUESTED**

2

3 The 2008 IRM Model has produced an estimated 2008 Tariff of Rates and Charges  
4 on Sheet 10 of the application model. Following receipt of the Board's Decision,  
5 CNPI – Port Colborne will file a draft rate order in accordance with Board  
6 instructions.

7

8 **RATE IMPACTS**

9

10 Customer impacts for total bill and electricity distribution charges for the period of  
11 May 1, 2007 versus May 1, 2008 are summarized in the 2008 IRM Model. However,  
12 CNPI – Port Colborne received final Board approval for its rates effective September  
13 1, 2007 and included rate riders for recovery of extraordinary event costs relating to  
14 a natural disaster which occurred on October 12, 2006. These rate riders are  
15 effective until August 31, 2008 and are not eligible for price cap adjustment. In order  
16 to illustrate the May 1, 2008 versus September 1, 2007 total bill impact for  
17 customers, CNPI – Port Colborne has included, in Appendix B (attached hereto), bill  
18 impact sheets in the same format as sheets 12 and 13 of the 2008 IRM Model. A  
19 live version of the Excel spreadsheet detailing the calculations is also being provided  
20 to the Board.

21

22 Customer impacts for the total bill calculated from the period September 1, 2007 to  
23 May 1, 2008 for common customer profiles are summarized below:

24

Customer Class	Typical Customer	Impact on Total Bill	
Residential	1,000 kWh	-2.4%	-\$2.96
GS Less Than 50 kW	2,000 kWh	2.4%	\$5.32

25

26

27

1 **RATE MITIGATION**

2  
3 Appendix B, Annualized Bill Impacts September 1, 2007 to May 1, 2008, indicates  
4 that potential exists for total bill impact for the Street Lighting class to exceed 10%  
5 for certain consumption profiles. These impacts are a result of the removal of the  
6 regulatory assets rate riders. For the Street Lighting class, the rate rider was a  
7 credit to the customer and the absolute value of the rate rider was greater than the  
8 volumetric rate for that class.

9  
10 CNPI – Port Colborne is not proposing to mitigate rates for the Street Lighting class  
11 at this time.

12  
13  
14  
15  
16

**ALL OF WHICH IS RESPECTFULLY SUBMITTED**

# **Appendix A**

## **2008 IRM Model**

### **CNPI – Port Colborne**



# Ontario Energy Board

## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

### Sheet 1 Utility Information Sheet

<b>Legend:</b>	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>	Canadian Niagara Power Inc. - Port Colborne		
<b>Licence Number:</b>	ED-2002-0572		
<b>IRM 2008 EB Number:</b> (if known)	EB-2007-XXXX		
<b>IRM 2007 EB Number:</b>	EB-2007-0595		
<b>EDR 2006 RP Number:</b>	RP-2005-0020	<b>EDR 2006 EB Number:</b>	EB-2005-0345
<b>Date of Submission:</b>	11/01/07	<b>Last Saved Date:</b>	10/23/07 2:02 PM
<b>Model Version:</b>	2.0		
<b>Contact Information</b>			
<b>Name:</b>	Douglas Bradbury		
<b>Title:</b>	Director Regulatory Affairs		
<b>Phone Number:</b>	(905) 994 3634		
<b>E-Mail Address:</b>	doug.bradbury@cnpower.com		

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

#### Copyright

This IRM adjustment model is protected by copyright and is being made available to you solely for the purpose of preparing or reviewing an IRM adjustment 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 or reviewing an IRM adjustment application, you must ensure that the person understands and agrees to the restrictions noted above.



## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

### Canadian Niagara Power Inc. - Port Colborne

EB-2007-XXXX, EB-2007-0595, EB-2005-0345

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	Unmetered Scattered Load	Yes
5	Sentinel Lighting	Yes
6	Street Lighting	Yes
7	Standby Power	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**

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**Thursday, November 01, 2007**

**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	\$	15.72	
Distribution Volumetric Rate	\$/kWh	0.0153	
Rate Rider 1 (if applicable)			
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kWh	0.0030	No
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0051	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0040	
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

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**Thursday, November 01, 2007**

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

#### General Service Less Than 50 kW

Service Charge	\$	31.04	
Distribution Volumetric Rate	\$/kWh	0.0092	
Rate Rider 1 (if applicable)			
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kWh	(0.0023)	No
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0036	
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	\$	614.74	
Distribution Volumetric Rate	\$/kW	2.3770	
Rate Rider 1 (if applicable)			
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kW	(1.1394)	No
Retail Transmission Rate – Network Service Rate	\$/kW	1.7370	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.4292	
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	\$	31.04	
Distribution Volumetric Rate	\$/kWh	0.0092	
Rate Rider 1 (if applicable)			
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kWh	(0.0023)	No
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0036	
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	

#### Sentinel Lighting

Service Charge	\$	2.08	
Distribution Volumetric Rate	\$/kW	6.0769	
Rate Rider 1 (if applicable)			
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kW	12.2827	No
Retail Transmission Rate – Network Service Rate	\$/kW	1.3166	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1264	
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

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**Thursday, November 01, 2007**

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

#### Street Lighting

Service Charge	\$	1.38	
Distribution Volumetric Rate	\$/kW	3.8764	
Rate Rider 1 (if applicable)			
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kW	(4.1211)	<b>No</b>
Retail Transmission Rate – Network Service Rate	\$/kW	1.2686	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1280	
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	

#### Standby Power

Service Charge	\$	1.46	
Distribution Volumetric Rate	\$/kW	1.1496	
Rate Rider 1 (if applicable)			
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kW		<b>No</b>
Retail Transmission Rate – Network Service Rate	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW		
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	0.0000	
Rural Rate Protection Charge	\$/kWh	0.0000	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.00	







**2008 INCENTIVE RATE MECHANISM ADJUSTMENT**  
**Canadian Niagara Power Inc. - Port Colborne**  
**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

#####

**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

	<u>2007 IRM</u>	<u>2008 IRM</u>
Residential	\$ 0.27	
General Service Less Than 50 kW	\$ 0.27	
General Service 50 to 4,999 kW	\$ 0.27	



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

#####

**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>	\$ 15.72	\$ 0.0153	\$ 0.27	\$ 0.27	\$ 15.45	\$ 0.0153	\$/kWh
<i>General Service Less Than 50 kW</i>	\$ 31.04	\$ 0.0092	\$ 0.27	\$ 0.27	\$ 30.77	\$ 0.0092	\$/kWh
<i>General Service 50 to 4,999 kW</i>	\$ 614.74	\$ 2.3770	\$ 0.27	\$ 0.27	\$ 614.47	\$ 2.3770	\$/kW
<i>Unmetered Scattered Load</i>	\$ 31.04	\$ 0.0092	\$ -	\$ -	\$ 31.04	\$ 0.0092	\$/kWh
<i>Sentinel Lighting</i>	\$ 2.08	\$ 6.0769	\$ -	\$ -	\$ 2.08	\$ 6.0769	\$/kW
<i>Street Lighting</i>	\$ 1.38	\$ 3.8764	\$ -	\$ -	\$ 1.38	\$ 3.8764	\$/kW
<i>Standby Power</i>	\$ 1.46	\$ 1.1496	\$ -	\$ -	\$ 1.46	\$ 1.1496	\$/kW



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**Thursday, November 01, 2007**

**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	7.09%	(Board Approved 2006 EDR Model, Sheet 3-2, Cell C25)
Rate Base	C	\$ 7,500,242	(Board Approved 2006 EDR Model, Sheet 3-1, Cell F21)
Size of Utility	D	Small	

**Deemed Capital Structure**

		<b>Debt</b>	<b>Equity</b>	
Current	E1	50.0%	50.0%	E2
2008	F1	53.3%	46.7%	F2

Based on C, copies the deemed D/E from row "2007" of the table  
Based on C, copies the deemed D/E from row "2008" of the table

**Cost of Capital**

Current	G	8.046%	= (E1 X B) + (E2 X A)	<b>Weighted Average Cost of capital</b>
2008	H	7.98%	= (F1 X B) + (F2 X A)	

**Return on Rate Base**

Current	I	\$ 603,469.47	= C X G / 100
2008	J	\$ 598,747.02	= C X H / 100

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

Distribution Expenses (other than PILs)	K	\$ 4,150,069	(Board Approved 2006 EDR Model, Sheet 4-1, Cell F15)
Base Revenue Requirement	L	\$ 4,338,129	(Board Approved 2006 EDR Model, Sheet 5-5, Cell F27)
Transformer Allowance Credit	M	\$ 136,729	(Board Approved 2006 EDR Model, Sheet 6-3, Cell "Total" in Row R120)

**Revenue Requirement (before PILs)**

Current	N	\$ 4,753,538.47	= I + K
2008	O	\$ 4,748,816.02	= J + K

**Target Net Income (EBIT)**

Current	\$ 337,510.89	P1 = I - P2
2008	\$ 315,235.17	Q1 = J - Q2

**Interest Expense**

Current	\$ 265,958.58	P2 = C X (B X E1 / 100)
2008	\$ 283,511.85	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	\$ 15,254	S	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D31)
OCT (Rate Base less \$10,000,000 X 0.30%)	\$ 21,639	T	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D30)
PILs Allowance	\$ 36,893	U	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D33)
Taxable Income	Current \$ -	AC	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D11)
	2008 \$ - 8,046	AD	= AC + (Q1 - P1) * (R / 100)
Federal Tax (grossed up)	Current \$ -	V	= AC * (R / 100) / (1 - R / 100) 36,893
	2008 \$ - 4,549	W	= AD * (R / 100) / (1 - R / 100)

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

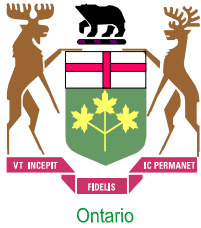
**Revenue Requirement (less LCT)** (LCT is removed as it was removed in from rates in 2007 EDR,

Current	\$ 4,775,177.47	X	= N + V + T
2008	\$ 4,765,905.53	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	\$ 4,474,858.19	Z	= L + M
2008	\$ 4,465,586.25	AA1	= Z + (Y - X)
Difference	\$ - 9,271.94	AA2	= AA1 - Z
K-factor	-0.2%	AB	= AA2 / Z



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT**  
**Canadian Niagara Power Inc. - Port Colborne**  
**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**  
**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%	-0.2%	0.7%
	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>	\$ 15.45	\$ 15.56	\$ 0.0153	\$ 0.0154
<i>General Service Less Than 50 kW</i>	\$ 30.77	\$ 30.99	\$ 0.0092	\$ 0.0093
<i>General Service 50 to 4,999 kW</i>	\$ 614.47	\$ 618.77	\$ 2.3770	\$ 2.3936
<i>Unmetered Scattered Load</i>	\$ 31.04	\$ 31.26	\$ 0.0092	\$ 0.0093
<i>Sentinel Lighting</i>	\$ 2.08	\$ 2.09	\$ 6.0769	\$ 6.1194
<i>Street Lighting</i>	\$ 1.38	\$ 1.39	\$ 3.8764	\$ 3.9035
<i>Standby Power</i>	\$ 1.46	\$ 1.47	\$ 1.1496	\$ 1.1576



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**  
**Canadian Niagara Power Inc. - Port Colborne**  
**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**  
**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>	\$ 15.56	\$ 0.27	\$ 15.83	0.0154
<i>General Service Less Than 50 kW</i>	\$ 30.99	\$ 0.27	\$ 31.26	0.0093
<i>General Service 50 to 4,999 kW</i>	\$ 618.77	\$ 0.27	\$ 619.04	2.3936
<i>Unmetered Scattered Load</i>	\$ 31.26	-	\$ 31.26	0.0093
<i>Sentinel Lighting</i>	\$ 2.09	-	\$ 2.09	6.1194
<i>Street Lighting</i>	\$ 1.39	-	\$ 1.39	3.9035
<i>Standby Power</i>	\$ 1.47	-	\$ 1.47	1.1576



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT**  
**Canadian Niagara Power Inc. - Port Colborne**  
**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**  
**Thursday, November 01, 2007**  
**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.

In its Decision with Reasons in the matter of EB-2007-0595, the Board approved a Final Rate Order effective September 1, 2007. That Rate Order included approval of Rate Riders for the recovery of Z-Factor costs incurred in 2006 and these are effective until August 31, 2008. These approved Rate Riders are entered below. CNPI - Port Colborne is not seeking additional Z-Factor Rate Rider Adjustments in the 2008 IRM.

Class	<i>Monthly Service Charge Rate Rider</i>	<i>Volumetric Charge Rate Rider</i>
	\$	kW / kWh
<i>Residential</i>	\$ 0.8900	\$ 0.0009
<i>General Service Less Than 50 kW</i>	\$ 1.7600	\$ 0.0005
<i>General Service 50 to 4,999 kW</i>	\$ 35.2200	\$ 0.1345
<i>Unmetered Scattered Load</i>	\$ 1.7600	\$ 0.0005
<i>Sentinel Lighting</i>	\$ 0.1200	\$ 0.3468
<i>Street Lighting</i>	\$ 0.0800	\$ 0.2205
<i>Standby Power</i>	\$ -	\$ -

# Canadian Niagara Power Inc. - Port Colborne

## 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-2007-0595

FOR OEB STAFF USE ONLY

### MONTHLY RATES AND CHARGES

#### Residential

Service Charge	\$	15.83
Service Charge - Non-Routine Rate Rider	\$	0.89
Distribution Volumetric Rate	\$/kWh	0.0154
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0009
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0051
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0040
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	\$	31.26
Service Charge - Non-Routine Rate Rider	\$	1.76
Distribution Volumetric Rate	\$/kWh	0.0093
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0005
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0036
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	\$	619.04
Service Charge - Non-Routine Rate Rider	\$	35.22
Distribution Volumetric Rate	\$/kW	2.3936
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.1345
Retail Transmission Rate – Network Service Rate	\$/kW	1.7370
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.4292
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	\$	31.26
Service Charge - Non-Routine Rate Rider	\$	1.76
Distribution Volumetric Rate	\$/kWh	0.0093
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0005
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0036
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	\$	2.09
Service Charge - Non-Routine Rate Rider	\$	0.12
Distribution Volumetric Rate	\$/kW	6.1194
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.3468
Retail Transmission Rate – Network Service Rate	\$/kW	1.3166
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1264
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	\$	1.39
Service Charge - Non-Routine Rate Rider	\$	0.08
Distribution Volumetric Rate	\$/kW	3.9035
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.2205
Retail Transmission Rate – Network Service Rate	\$/kW	1.2686
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1280
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### **Standby Power**

Service Charge	\$	1.47
Distribution Volumetric Rate	\$/kW	1.1576

## 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
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Returned cheque charge (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Legal letter charge	\$	15.00
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
Specific Charge for Access to the Power Poles \$/pole/year	\$	22.35

### 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)

### LOSS FACTORS

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0322
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0219



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Canadian Niagara Power Inc. - Port Colborne

EB-2007-XXXX, EB-2007-0595, EB-2005-0345

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	\$ 15.72	\$ 0.0153
Less: Smart meters	-\$ 0.27	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.14	\$ 0.0001
Add: K-Factor	\$ (0.03)	-\$ 0.0000
Add: Smart Meters	\$ 0.27	\$ -
<b>Final 2008 Rates</b>	<b>\$ 15.83</b>	<b>\$ 0.0154</b>

General Service Less Than 50 kW

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 31.04	\$ 0.0092
Less: Smart meters	-\$ 0.27	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.28	\$ 0.0001
Add: K-Factor	\$ (0.06)	-\$ 0.0000
Add: Smart Meters	\$ 0.27	\$ -
<b>Final 2008 Rates</b>	<b>\$ 31.26</b>	<b>\$ 0.0093</b>

General Service 50 to 4,999 kW

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 614.74	\$ 2.3770
Less: Smart meters	-\$ 0.27	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 5.53	\$ 0.0214
Add: K-Factor	\$ (1.23)	-\$ 0.0048
Add: Smart Meters	\$ 0.27	\$ -
<b>Final 2008 Rates</b>	<b>\$ 619.04</b>	<b>\$ 2.3936</b>

Unmetered Scattered Load

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 31.04	\$ 0.0092
Less: Smart meters	\$ -	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.28	\$ 0.0001
Add: K-Factor	\$ (0.06)	-\$ 0.0000
Add: Smart Meters	\$ -	\$ -
<b>Final 2008 Rates</b>	<b>\$ 31.26</b>	<b>\$ 0.0093</b>



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**Thursday, November 01, 2007**

**Sheet 11 - Distribution Rate Change Summary**

Sentinel Lighting

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 2.08	\$ 6.0769
Less: Smart meters	\$ -	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.02	\$ 0.0547
Add: K-Factor	\$ (0.00)	-\$ 0.0122
Add: Smart Meters	\$ -	\$ -
Final 2008 Rates	\$ <b>2.09</b>	\$ <b>6.1194</b>

Street Lighting

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 1.38	\$ 3.8764
Less: Smart meters	\$ -	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.01	\$ 0.0349
Add: K-Factor	\$ (0.00)	-\$ 0.0078
Add: Smart Meters	\$ -	\$ -
Final 2008 Rates	\$ <b>1.39</b>	\$ <b>3.9035</b>

Standby Power

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 1.46	\$ 1.1496
Less: Smart meters	\$ -	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.01	\$ 0.0103
Add: K-Factor	\$ (0.00)	-\$ 0.0023
Add: Smart Meters	\$ -	\$ -
Final 2008 Rates	\$ <b>1.47</b>	\$ <b>1.1576</b>



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**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>1,000 kWh</b>	<b>0 kW</b>	<b>Loss Factor 1.0322</b>
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	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	600	\$ 0.0530	\$ 31.80	600	\$ 0.0530	\$ 31.80	\$0.00	0.0%	26.16%
Energy Second Tier (kWh)	432	\$ 0.0620	\$ 26.80	432	\$ 0.0620	\$ 26.80	\$0.00	0.0%	22.05%
<b>Sub-Total: Energy</b>			<b>\$ 58.60</b>			<b>\$ 58.60</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>48.21%</b>
Monthly Service Charge	1	\$ 15.72	\$ 15.72	1	\$ 15.83	\$ 15.83	\$0.11	0.7%	13.02%
Distribution (kWh)	1,000	\$ 0.0153	\$ 15.30	1,000	\$ 0.0154	\$ 15.40	\$0.10	0.7%	12.67%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	1,000	\$ 0.0030	\$ 3.00	1,000	\$ -	\$ -	(\$3.00)	(100.0)%	0.00%
Rate Riders	1,000	\$ -	\$ -	1,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 0.89	\$ 0.89	\$0.89	0.0%	0.73%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1,000	\$ 0.0009	\$ 0.90	\$0.90	0.0%	0.74%
Retail Transmission Rate – Network Service Rate	1,032	\$ 0.0051	\$ 5.26	1,032	\$ 0.0051	\$ 5.26	\$0.00	0.0%	4.33%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,032	\$ 0.0040	\$ 4.13	1,032	\$ 0.0040	\$ 4.13	\$0.00	0.0%	3.40%
<b>Sub-Total: Delivery</b>			<b>\$ 43.41</b>			<b>\$ 42.41</b>	<b>(\$1.00)</b>	<b>(2.3)%</b>	<b>34.90%</b>
Wholesale Market Service Rate	1032	\$ 0.0052	\$ 5.37	1032	\$ 0.0052	\$ 5.37	\$0.00	0.0%	4.42%
Rural Rate Protection Charge	1032	\$ 0.0010	\$ 1.03	1032	\$ 0.0010	\$ 1.03	\$0.00	0.0%	0.85%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.21%
<b>Sub-Total: Regulatory</b>			<b>\$ 6.65</b>			<b>\$ 6.65</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>5.47%</b>
Debt Retirement Charge (DRC)	1,000	\$ 0.0070	\$ 7.00	1,000	\$ 0.0070	\$ 7.00	\$0.00	0.0%	5.76%
<b>Total Bill before Taxes</b>			<b>\$ 115.66</b>			<b>\$ 114.66</b>	<b>(\$1.00)</b>	<b>(0.9)%</b>	<b>94.34%</b>
GST	\$ 115.66	6.00%	\$ 6.94	\$ 114.66	6.00%	\$ 6.88	(\$0.06)	(0.9)%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 122.60</b>			<b>\$ 121.54</b>	<b>(\$1.06)</b>	<b>(0.9)%</b>	<b>100.00%</b>

**General Service Less Than 50 kW**

<b>Consumption</b>	<b>2,000 kWh</b>	<b>0 kW</b>	<b>Loss Factor 1.0322</b>
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	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	17.26%
Energy Second Tier (kWh)	1,314	\$ 0.0620	\$ 81.49	1,314	\$ 0.0620	\$ 81.49	\$0.00	0.0%	35.39%
<b>Sub-Total: Energy</b>			<b>\$ 121.24</b>			<b>\$ 121.24</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>52.66%</b>
Monthly Service Charge	1	\$ 31.04	\$ 31.04	1	\$ 31.26	\$ 31.26	\$0.22	0.7%	13.58%
Distribution (kWh)	2,000	\$ 0.0092	\$ 18.40	2,000	\$ 0.0093	\$ 18.60	\$0.20	1.1%	8.08%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	2,000	\$ 0.0023	\$ 4.60	2,000	\$ -	\$ -	\$4.60	(100.0)%	0.00%
Rate Riders	2,000	\$ -	\$ -	2,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 1.76	\$ 1.76	\$1.76	0.0%	0.76%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	2,000	\$ 0.0005	\$ 1.00	\$1.00	0.0%	0.43%
Retail Transmission Rate – Network Service Rate	2,064	\$ 0.0043	\$ 8.88	2,064	\$ 0.0043	\$ 8.88	\$0.00	0.0%	3.86%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,064	\$ 0.0036	\$ 7.43	2,064	\$ 0.0036	\$ 7.43	\$0.00	0.0%	3.23%
<b>Sub-Total: Delivery</b>			<b>\$ 61.15</b>			<b>\$ 68.93</b>	<b>\$7.78</b>	<b>12.7%</b>	<b>29.94%</b>
Wholesale Market Service Rate	2064	\$ 0.0052	\$ 10.73	2064	\$ 0.0052	\$ 10.73	\$0.00	0.0%	4.66%
Rural Rate Protection Charge	2064	\$ 0.0010	\$ 2.06	2064	\$ 0.0010	\$ 2.06	\$0.00	0.0%	0.90%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.11%



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**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>Sub-Total: Regulatory</b>			\$ 13.05			\$ 13.05	\$0.00	0.0%	5.67%
<b>Debt Retirement Charge (DRC)</b>	2,000	\$ 0.0070	\$ 14.00	2,000	\$ 0.0070	\$ 14.00	\$0.00	0.0%	6.08%
<b>Total Bill before Taxes</b>			\$ 209.44			\$ 217.22	\$7.78	3.7%	94.34%
<b>GST</b>	\$ 209.44	6.00%	\$ 12.57	\$ 217.22	6.00%	\$ 13.03	\$0.47	3.7%	5.66%
<b>Total Bill after Taxes</b>			\$ 222.01			\$ 230.25	\$8.25	3.7%	100.00%

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

<b>Consumption</b>	<b>250,000 kWh</b>	<b>500 kW</b>	<b>Loss Factor 1.0322</b>
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	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	0.16%
Energy Second Tier (kWh)	257,300	\$ 0.0620	\$ 15,952.60	257,300	\$ 0.0620	\$ 15,952.60	\$0.00	0.0%	65.73%
<b>Sub-Total: Energy</b>			<b>\$ 15,992.35</b>			<b>\$ 15,992.35</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>65.90%</b>
Monthly Service Charge	1	\$ 614.74	\$ 614.74	1	\$ 619.04	\$ 619.04	\$4.30	0.7%	2.55%
Distribution (kWh)	250,000	\$ -	\$ -	250,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	500	\$ 2.3770	\$ 1,188.50	500	\$ 2.3936	\$ 1,196.80	\$8.30	0.7%	4.93%
Regulatory Assets (kWh)	500	\$ 1.1394	\$ 569.70	500	\$ -	\$ -	\$569.70	(100.0)%	0.00%
Rate Riders	500	\$ -	\$ -	500	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 35.22	\$ 35.22	\$35.22	0.0%	0.15%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	500	\$ 0.1345	\$ 67.25	\$67.25	0.0%	0.28%
Retail Transmission Rate – Network Service Rate	516	\$ 1.7370	\$ 896.47	516	\$ 1.7370	\$ 896.47	\$0.00	0.0%	3.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	516	\$ 1.4292	\$ 737.61	516	\$ 1.4292	\$ 737.61	\$0.00	0.0%	3.04%
<b>Sub-Total: Delivery</b>			<b>\$ 2,867.62</b>			<b>\$ 3,552.39</b>	<b>\$684.77</b>	<b>23.9%</b>	<b>14.64%</b>
Wholesale Market Service Rate	258050	\$ 0.0052	\$ 1,341.86	258050	\$ 0.0052	\$ 1,341.86	\$0.00	0.0%	5.53%
Rural Rate Protection Charge	258050	\$ 0.0010	\$ 258.05	258050	\$ 0.0010	\$ 258.05	\$0.00	0.0%	1.06%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.00%
<b>Sub-Total: Regulatory</b>			<b>\$ 1,600.16</b>			<b>\$ 1,600.16</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>6.59%</b>
<b>Debt Retirement Charge (DRC)</b>	250,000	\$ 0.0070	\$ 1,750.00	250,000	\$ 0.0070	\$ 1,750.00	\$0.00	0.0%	7.21%
<b>Total Bill before Taxes</b>			<b>\$ 22,210.13</b>			<b>\$ 22,894.90</b>	<b>\$684.77</b>	<b>3.1%</b>	<b>94.34%</b>
<b>GST</b>	\$ 22,210.13	6.00%	\$ 1,332.61	\$ 22,894.90	6.00%	\$ 1,373.69	\$41.09	3.1%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 23,542.73</b>			<b>\$ 24,268.59</b>	<b>\$725.86</b>	<b>3.1%</b>	<b>100.00%</b>



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**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.

**Unmetered Scattered Load**

<b>Consumption</b>	<b>750 kWh</b>	<b>0 kW</b>	<b>Loss Factor 1.0322</b>
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	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	38.25%
Energy Second Tier (kWh)	24	\$ 0.0620	\$ 1.50	24	\$ 0.0620	\$ 1.50	\$0.00	0.0%	1.44%
<b>Sub-Total: Energy</b>			<b>\$ 41.25</b>			<b>\$ 41.25</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>39.69%</b>
Monthly Service Charge	1	\$ 31.04	\$ 31.04	1	\$ 31.26	\$ 31.26	\$0.22	0.7%	30.08%
Distribution (kWh)	750	\$ 0.0092	\$ 6.90	750	\$ 0.0093	\$ 6.98	\$0.08	1.1%	6.71%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	750	\$ 0.0023	\$ 1.73	750	\$ -	\$ -	\$1.73	(100.0)%	0.00%
Rate Riders	750	\$ -	\$ -	750	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 1.76	\$ 1.76	\$1.76	0.0%	1.69%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	750	\$ 0.0005	\$ 0.38	\$0.38	0.0%	0.36%
Retail Transmission Rate – Network Service Rate	774	\$ 0.0043	\$ 3.33	774	\$ 0.0043	\$ 3.33	\$0.00	0.0%	3.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	774	\$ 0.0036	\$ 2.79	774	\$ 0.0036	\$ 2.79	\$0.00	0.0%	2.68%
<b>Sub-Total: Delivery</b>			<b>\$ 42.33</b>			<b>\$ 46.49</b>	<b>\$4.16</b>	<b>9.8%</b>	<b>44.73%</b>
Wholesale Market Service Rate	774	\$ 0.0052	\$ 4.03	774	\$ 0.0052	\$ 4.03	\$0.00	0.0%	3.87%
Rural Rate Protection Charge	774	\$ 0.0010	\$ 0.77	774	\$ 0.0010	\$ 0.77	\$0.00	0.0%	0.74%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.24%
<b>Sub-Total: Regulatory</b>			<b>\$ 5.05</b>			<b>\$ 5.05</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>4.86%</b>
Debt Retirement Charge (DRC)	750	\$ 0.0070	\$ 5.25	750	\$ 0.0070	\$ 5.25	\$0.00	0.0%	5.05%
<b>Total Bill before Taxes</b>			<b>\$ 93.88</b>			<b>\$ 98.03</b>	<b>\$4.16</b>	<b>4.4%</b>	<b>94.34%</b>
GST	\$ 93.88	6.00%	\$ 5.63	\$ 98.03	6.00%	\$ 5.88	\$0.25	4.4%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 99.51</b>			<b>\$ 103.91</b>	<b>\$4.40</b>	<b>4.4%</b>	<b>100.00%</b>

**Sentinel Lighting**

<b>Consumption</b>	<b>300 kWh</b>	<b>1 kW</b>	<b>Loss Factor 1.0322</b>
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	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	310	\$ 0.0530	\$ 16.41	310	\$ 0.0530	\$ 16.41	\$0.00	0.0%	48.57%
Energy Second Tier (kWh)	0	\$ 0.0620	\$ -	0	\$ 0.0620	\$ -	\$0.00	0.0%	0.00%
<b>Sub-Total: Energy</b>			<b>\$ 16.41</b>			<b>\$ 16.41</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>48.57%</b>
Monthly Service Charge	1	\$ 2.08	\$ 2.08	1	\$ 2.09	\$ 2.09	\$0.01	0.5%	6.18%
Distribution (kWh)	300	\$ -	\$ -	300	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	1	\$ 6.0769	\$ 6.08	1	\$ 6.1194	\$ 6.12	\$0.04	0.7%	18.11%
Regulatory Assets (kWh)	1	\$ 12.2827	\$ 12.28	1	\$ -	\$ -	(\$12.28)	(100.0)%	0.00%
Rate Riders	1	\$ -	\$ -	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 0.12	\$ 0.12	\$0.12	0.0%	0.36%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 0.3468	\$ 0.35	\$0.35	0.0%	1.03%
Retail Transmission Rate – Network Service Rate	1	\$ 1.3166	\$ 1.36	1	\$ 1.3166	\$ 1.36	\$0.00	0.0%	4.02%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	\$ 1.1264	\$ 1.16	1	\$ 1.1264	\$ 1.16	\$0.00	0.0%	3.44%
<b>Sub-Total: Delivery</b>			<b>\$ 22.96</b>			<b>\$ 11.20</b>	<b>(\$11.76)</b>	<b>(51.2)%</b>	<b>33.14%</b>
Wholesale Market Service Rate	310	\$ 0.0052	\$ 1.61	310	\$ 0.0052	\$ 1.61	\$0.00	0.0%	4.77%
Rural Rate Protection Charge	310	\$ 0.0010	\$ 0.31	310	\$ 0.0010	\$ 0.31	\$0.00	0.0%	0.92%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.74%
<b>Sub-Total: Regulatory</b>			<b>\$ 2.17</b>			<b>\$ 2.17</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>6.42%</b>
Debt Retirement Charge (DRC)	300	\$ 0.0070	\$ 2.10	300	\$ 0.0070	\$ 2.10	\$0.00	0.0%	6.21%
<b>Total Bill before Taxes</b>			<b>\$ 43.64</b>			<b>\$ 31.88</b>	<b>(\$11.76)</b>	<b>(27.0)%</b>	<b>94.34%</b>
GST	\$ 43.64	6.00%	\$ 2.62	\$ 31.88	6.00%	\$ 1.91	(\$0.71)	(27.0)%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 46.26</b>			<b>\$ 33.79</b>	<b>(\$12.47)</b>	<b>(27.0)%</b>	<b>100.00%</b>





**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**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.

**Street Lighting**

<b>Consumption</b>	<b>300 kWh</b>	<b>1 kW</b>	<b>Loss Factor 1.0322</b>
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	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	310	\$ 0.0530	\$ 16.41	310	\$ 0.0530	\$ 16.41	\$0.00	0.0%	53.85%
Energy Second Tier (kWh)	0	\$ 0.0620	\$ -	0	\$ 0.0620	\$ -	\$0.00	0.0%	0.00%
<b>Sub-Total: Energy</b>			<b>\$ 16.41</b>			<b>\$ 16.41</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>53.85%</b>
Monthly Service Charge	1	\$ 1.38	\$ 1.38	1	\$ 1.39	\$ 1.39	\$0.01	0.7%	4.56%
Distribution (kWh)	300	\$ -	\$ -	300	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	1	\$ 3.8764	\$ 3.88	1	\$ 3.9035	\$ 3.90	\$0.03	0.7%	12.81%
Regulatory Assets (kWh)	1	\$ 4.1211	\$ 4.12	1	\$ -	\$ -	\$4.12	(100.0)%	0.00%
Rate Riders	1	\$ -	\$ -	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 0.08	\$ 0.08	\$0.08	0.0%	0.26%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ 0.2205	\$ 0.22	\$0.22	0.0%	0.72%
Retail Transmission Rate – Network Service Rate	1	\$ 1.2686	\$ 1.31	1	\$ 1.2686	\$ 1.31	\$0.00	0.0%	4.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	\$ 1.1280	\$ 1.16	1	\$ 1.1280	\$ 1.16	\$0.00	0.0%	3.82%
<b>Sub-Total: Delivery</b>			<b>\$ 3.61</b>			<b>\$ 8.07</b>	<b>\$4.46</b>	<b>123.5%</b>	<b>26.47%</b>
Wholesale Market Service Rate	310	\$ 0.0052	\$ 1.61	310	\$ 0.0052	\$ 1.61	\$0.00	0.0%	5.28%
Rural Rate Protection Charge	310	\$ 0.0010	\$ 0.31	310	\$ 0.0010	\$ 0.31	\$0.00	0.0%	1.02%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.82%
<b>Sub-Total: Regulatory</b>			<b>\$ 2.17</b>			<b>\$ 2.17</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>7.12%</b>
Debt Retirement Charge (DRC)	300	\$ 0.0070	\$ 2.10	300	\$ 0.0070	\$ 2.10	\$0.00	0.0%	6.89%
<b>Total Bill before Taxes</b>			<b>\$ 24.29</b>			<b>\$ 28.75</b>	<b>\$4.46</b>	<b>18.4%</b>	<b>94.34%</b>
GST	\$ 24.29	6.00%	\$ 1.46	\$ 28.75	6.00%	\$ 1.72	\$0.27	18.4%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 25.75</b>			<b>\$ 30.47</b>	<b>\$4.73</b>	<b>18.4%</b>	<b>100.00%</b>

**Standby Power**

<b>Consumption</b>	<b>2,000,000 kWh</b>	<b>4,500 kW</b>	<b>Loss Factor 1.0322</b>
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	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	0.02%
Energy Second Tier (kWh)	2,063,650	\$ 0.0620	\$ 127,946.30	2,063,650	\$ 0.0620	\$ 127,946.30	\$0.00	0.0%	75.44%
<b>Sub-Total: Energy</b>			<b>\$ 127,986.05</b>			<b>\$ 127,986.05</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>75.47%</b>
Monthly Service Charge	1	\$ 1.46	\$ 1.46	1	\$ 1.47	\$ 1.47	\$0.01	0.7%	0.00%
Distribution (kWh)	2,000,000	\$ -	\$ -	2,000,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	4,500	\$ 1.1496	\$ 5,173.20	4,500	\$ 1.1576	\$ 5,209.20	\$36.00	0.7%	3.07%
Regulatory Assets (kWh)	4,500	\$ -	\$ -	4,500	\$ -	\$ -	\$0.00	0.0%	0.00%
Rate Riders	4,500	\$ -	\$ -	4,500	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	4,500	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Network Service Rate	4,645	\$ -	\$ -	4,645	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	4,645	\$ -	\$ -	4,645	\$ -	\$ -	\$0.00	0.0%	0.00%
<b>Sub-Total: Delivery</b>			<b>\$ 5,174.66</b>			<b>\$ 5,210.67</b>	<b>\$36.01</b>	<b>0.7%</b>	<b>3.07%</b>
Wholesale Market Service Rate	2064400	\$ 0.0052	\$ 10,734.88	2064400	\$ 0.0052	\$ 10,734.88	\$0.00	0.0%	6.33%
Rural Rate Protection Charge	2064400	\$ 0.0010	\$ 2,064.40	2064400	\$ 0.0010	\$ 2,064.40	\$0.00	0.0%	1.22%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.00%
<b>Sub-Total: Regulatory</b>			<b>\$ 12,799.53</b>			<b>\$ 12,799.53</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>7.55%</b>
Debt Retirement Charge (DRC)	2,000,000	\$ 0.0070	\$ 14,000.00	2,000,000	\$ 0.0070	\$ 14,000.00	\$0.00	0.0%	8.25%
<b>Total Bill before Taxes</b>			<b>\$ 159,960.24</b>			<b>\$ 159,996.25</b>	<b>\$36.01</b>	<b>0.0%</b>	<b>94.34%</b>
GST	\$ 159,960.24	6.00%	\$ 9,597.61	\$ 159,996.25	6.00%	\$ 9,599.78	\$2.16	0.0%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 169,557.85</b>			<b>\$ 169,596.03</b>	<b>\$38.17</b>	<b>0.0%</b>	<b>100.00%</b>



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Canadian Niagara Power Inc. - Port Colborne

EB-2007-XXXX, EB-2007-0595, EB-2005-0345

November 1, 2007

Sheet 13 - Bill Impacts by Consumption

Click on the Calculate" button to determine a series of bill impacts for each class at different consumption levels.

Please note that the values input into columns C (kWh) and D (kW) below are filler only and may or may not reflect the true consumption nature of the associated rate class. It is the applicant's responsibility to ensure realistic value ranges are entered into the Columns C & D.

Class	Consumption kWh	Consumption kW	2007 Bill	2008 Bill	Difference \$	Bill Impact %	Max	Min
Residential	250		\$ 42.32	\$ 42.85	\$ 0.53	1.3%	1.3%	-1.4%
	500		\$ 67.70	\$ 67.70	\$ -	0.0%		
	750		\$ 94.75	\$ 94.22	\$ (0.53)	-0.6%		
	1,000		\$ 122.60	\$ 121.54	\$ (1.06)	-0.9%		
	1,250		\$ 150.45	\$ 148.86	\$ (1.59)	-1.1%		
	1,500		\$ 178.30	\$ 176.18	\$ (2.12)	-1.2%		
	2,000		\$ 233.99	\$ 230.81	\$ (3.18)	-1.4%		
General Service Less Than 50 kW	1,000		\$ 124.01	\$ 129.18	\$ 5.17	4.2%	4.2%	3.2%
	2,000		\$ 222.01	\$ 230.25	\$ 8.25	3.7%		
	2,500		\$ 271.01	\$ 280.79	\$ 9.78	3.6%		
	4,000		\$ 418.00	\$ 432.40	\$ 14.39	3.4%		
	6,000		\$ 614.00	\$ 634.54	\$ 20.54	3.3%		
	10,000		\$ 1,005.99	\$ 1,038.83	\$ 32.84	3.3%		
	15,000		\$ 1,495.97	\$ 1,544.18	\$ 48.21	3.2%		
General Service 50 to 4,999 kW	25,000	50	\$ 2,934.53	\$ 3,044.82	\$ 110.29	3.8%	4.1%	2.4%
	40,000	75	\$ 4,284.53	\$ 4,429.02	\$ 144.49	3.4%		
	40,000	100	\$ 4,403.94	\$ 4,582.62	\$ 178.68	4.1%		
	125,000	250	\$ 12,093.73	\$ 12,477.61	\$ 383.87	3.2%		
	300,000	650	\$ 28,361.14	\$ 29,292.18	\$ 931.05	3.3%		
	1,200,000	1,900	\$ 108,167.08	\$ 110,808.04	\$ 2,640.96	2.4%		
	2,500,000	4,000	\$ 224,848.63	\$ 230,362.24	\$ 5,513.61	2.5%		
Unmetered Scattered Load	250	0	\$ 55.21	\$ 58.07	\$ 2.87	5.2%	5.2%	4.3%
	350	0	\$ 64.02	\$ 67.19	\$ 3.17	5.0%		
	500	0	\$ 77.24	\$ 80.88	\$ 3.64	4.7%		
	600	0	\$ 86.06	\$ 90.00	\$ 3.94	4.6%		
	700	0	\$ 94.87	\$ 99.12	\$ 4.25	4.5%		
	800	0	\$ 104.41	\$ 108.97	\$ 4.56	4.4%		
	900	0	\$ 114.21	\$ 119.08	\$ 4.87	4.3%		
Sentinel Lighting	300	1	\$ 46.26	\$ 33.79	\$ (12.47)	-27.0%	-21.3%	-27.2%
	3,000	10	\$ 462.78	\$ 336.84	\$ (125.93)	-27.2%		
	6,000	20	\$ 930.24	\$ 678.23	\$ (252.00)	-27.1%		
	30,000	100	\$ 4,669.92	\$ 3,409.36	\$ (1,260.56)	-27.0%		
	300,000	1,000	\$ 46,741.40	\$ 34,134.53	\$ (12,606.87)	-27.0%		
	450,000	1,500	\$ 70,114.44	\$ 51,204.07	\$ (18,910.37)	-27.0%		
	900,000	2,000	\$ 118,099.42	\$ 92,885.55	\$ (25,213.87)	-21.3%		



**2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**November 1, 2007**

**Sheet 13 - Bill Impacts by Consumption**

Click on the Calculate" button to determine a series of bill impacts for each class at different consumption levels.

*Please note that the values input into columns C (kWh) and D (kW) below are filler only and may or may not reflect the true consumption nature of the associated rate class. It is the applicant's responsibility to ensure realistic value ranges are entered into the Columns C & D.*

Class	Consumption kWh	Consumption kW	2007 Bill	2008 Bill	Difference \$	Bill Impact %	Max	Min
Street Lighting	300	1	\$ 25.75	\$ 30.47	\$ 4.73	18.4%	18.4%	11.8%
	3,000	10	\$ 264.32	\$ 310.72	\$ 46.40	17.6%		
	6,000	20	\$ 534.07	\$ 626.78	\$ 92.71	17.4%		
	30,000	100	\$ 2,692.05	\$ 3,155.23	\$ 463.18	17.2%		
	132,000	440	\$ 11,863.47	\$ 13,901.12	\$ 2,037.66	17.2%		
	450,000	1,500	\$ 40,456.71	\$ 47,403.03	\$ 6,946.33	17.2%		
	900,000	2,000	\$ 78,556.02	\$ 87,817.76	\$ 9,261.74	11.8%		
Standby Power	250,000	2,500	\$ 23,551.05	\$ 23,572.26	\$ 21.21	0.1%	0.1%	0.0%
	350,000	2,500	\$ 31,755.03	\$ 31,776.24	\$ 21.21	0.1%		
	500,000	4,500	\$ 46,498.15	\$ 46,536.32	\$ 38.17	0.1%		
	750,000	4,500	\$ 67,008.10	\$ 67,046.27	\$ 38.17	0.1%		
	1,000,000	2,500	\$ 85,080.90	\$ 85,102.11	\$ 21.21	0.0%		
	1,250,000	4,500	\$ 108,028.00	\$ 108,066.17	\$ 38.17	0.0%		
	1,500,000	4,500	\$ 128,537.95	\$ 128,576.12	\$ 38.17	0.0%		

**Appendix B**

**Annualized Bill Impacts**

**September 1, 2007**  
**vs.**  
**May 1, 2008**

**CNPI – Port Colborne**

**2008 INCENTIVE RATE MECHANISM ADJUSTMENT**  
**Canadian Niagara Power Inc. - Port Colborne**  
**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**  
**Thursday, November 01, 2007**  
**Annualized Bill Impact September 1, 2007 vs. May 1, 2008**

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>1,000 kWh</b>	<b>0 kW</b>	<b>Loss Factor 1.0322</b>
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	September 2007 BILL			May 2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	600	\$ 0.0530	\$ 31.80	600	\$ 0.0530	\$ 31.80	\$0.00	0.0%	26.16%
Energy Second Tier (kWh)	432	\$ 0.0620	\$ 26.80	432	\$ 0.0620	\$ 26.80	\$0.00	0.0%	22.05%
<b>Sub-Total: Energy</b>			<b>\$ 58.60</b>			<b>\$ 58.60</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>48.21%</b>
Monthly Service Charge	1	\$ 15.72	\$ 15.72	1	\$ 15.83	\$ 15.83	\$0.11	0.7%	13.02%
Distribution (kWh)	1,000	\$ 0.0153	\$ 15.30	1,000	\$ 0.0154	\$ 15.40	\$0.10	0.7%	12.67%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	1,000	\$ 0.0030	\$ 3.00	1,000	\$ -	\$ -	(\$3.00)	(100.0)%	0.00%
Rate Riders	1,000	\$ -	\$ -	1,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$ 0.89	\$ 0.89	1	\$ 0.89	\$ 0.89	\$0.00	0.0%	0.73%
Volumetric Rate Rider Adjustment (Sheet 9)	1,000	\$ 0.0009	\$ 0.90	1,000	\$ 0.0009	\$ 0.90	\$0.00	0.0%	0.74%
Retail Transmission Rate – Network Service Rate	1,032	\$ 0.0051	\$ 5.26	1,032	\$ 0.0051	\$ 5.26	\$0.00	0.0%	4.33%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,032	\$ 0.0040	\$ 4.13	1,032	\$ 0.0040	\$ 4.13	\$0.00	0.0%	3.40%
<b>Sub-Total: Delivery</b>			<b>\$ 45.20</b>			<b>\$ 42.41</b>	<b>(\$2.79)</b>	<b>(6.2)%</b>	<b>34.90%</b>
Wholesale Market Service Rate	1032	\$ 0.0052	\$ 5.37	1032	\$ 0.0052	\$ 5.37	\$0.00	0.0%	4.42%
Rural Rate Protection Charge	1032	\$ 0.0010	\$ 1.03	1032	\$ 0.0010	\$ 1.03	\$0.00	0.0%	0.85%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.21%
<b>Sub-Total: Regulatory</b>			<b>\$ 6.65</b>			<b>\$ 6.65</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>5.47%</b>
Debt Retirement Charge (DRC)	1,000	\$ 0.0070	\$ 7.00	1,000	\$ 0.0070	\$ 7.00	\$0.00	0.0%	5.78%
<b>Total Bill before Taxes</b>			<b>\$ 117.45</b>			<b>\$ 114.66</b>	<b>(\$2.79)</b>	<b>(2.4)%</b>	<b>94.34%</b>
GST	\$ 115.66	6.00%	\$ 7.05	\$ 114.66	6.00%	\$ 6.88	(\$0.17)	(2.4)%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 124.50</b>			<b>\$ 121.54</b>	<b>(\$2.96)</b>	<b>(2.4)%</b>	<b>100.00%</b>

**General Service Less Than 50 kW**

<b>Consumption</b>	<b>2,000 kWh</b>	<b>0 kW</b>	<b>Loss Factor 1.0322</b>
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	September 2007 BILL			May 2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	17.26%
Energy Second Tier (kWh)	1,314	\$ 0.0620	\$ 81.49	1,314	\$ 0.0620	\$ 81.49	\$0.00	0.0%	35.39%
<b>Sub-Total: Energy</b>			<b>\$ 121.24</b>			<b>\$ 121.24</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>52.66%</b>
Monthly Service Charge	1	\$ 31.04	\$ 31.04	1	\$ 31.26	\$ 31.26	\$0.22	0.7%	13.58%
Distribution (kWh)	2,000	\$ 0.0092	\$ 18.40	2,000	\$ 0.0093	\$ 18.60	\$0.20	1.1%	8.08%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	2,000	\$ 0.0023	\$ 4.60	2,000	\$ -	\$ -	\$4.60	(100.0)%	0.00%
Rate Riders	2,000	\$ -	\$ -	2,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$ 1.76	\$ 1.76	1	\$ 1.76	\$ 1.76	\$0.00	0.0%	0.76%
Volumetric Rate Rider Adjustment (Sheet 9)	2,000	\$ 0.0005	\$ 1.00	2,000	\$ 0.0005	\$ 1.00	\$0.00	0.0%	0.43%
Retail Transmission Rate – Network Service Rate	2,064	\$ 0.0043	\$ 8.88	2,064	\$ 0.0043	\$ 8.88	\$0.00	0.0%	3.86%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,064	\$ 0.0036	\$ 7.43	2,064	\$ 0.0036	\$ 7.43	\$0.00	0.0%	3.23%
<b>Sub-Total: Delivery</b>			<b>\$ 63.91</b>			<b>\$ 68.93</b>	<b>\$5.02</b>	<b>7.9%</b>	<b>29.94%</b>
Wholesale Market Service Rate	2064	\$ 0.0052	\$ 10.73	2064	\$ 0.0052	\$ 10.73	\$0.00	0.0%	4.66%
Rural Rate Protection Charge	2064	\$ 0.0010	\$ 2.06	2064	\$ 0.0010	\$ 2.06	\$0.00	0.0%	0.90%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.11%
<b>Sub-Total: Regulatory</b>			<b>\$ 13.05</b>			<b>\$ 13.05</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>5.67%</b>
Debt Retirement Charge (DRC)	2,000	\$ 0.0070	\$ 14.00	2,000	\$ 0.0070	\$ 14.00	\$0.00	0.0%	6.08%
<b>Total Bill before Taxes</b>			<b>\$ 212.20</b>			<b>\$ 217.22</b>	<b>\$5.02</b>	<b>2.4%</b>	<b>94.34%</b>
GST	\$ 209.44	6.00%	\$ 12.73	\$ 217.22	6.00%	\$ 13.03	\$0.30	2.4%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 224.93</b>			<b>\$ 230.25</b>	<b>\$5.32</b>	<b>2.4%</b>	<b>100.00%</b>

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

<b>Consumption</b>	<b>250,000 kWh</b>	<b>500 kW</b>	<b>Loss Factor 1.0322</b>
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	September 2007 BILL			May 2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	0.16%
Energy Second Tier (kWh)	257,300	\$ 0.0620	\$ 15,952.60	257,300	\$ 0.0620	\$ 15,952.60	\$0.00	0.0%	65.73%
<b>Sub-Total: Energy</b>			<b>\$ 15,992.35</b>			<b>\$ 15,992.35</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>65.90%</b>
Monthly Service Charge	1	\$ 614.74	\$ 614.74	1	\$ 619.04	\$ 619.04	\$4.30	0.7%	2.55%
Distribution (kWh)	250,000	\$ -	\$ -	250,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	500	\$ 2.3770	\$ 1,188.50	500	\$ 2.3936	\$ 1,196.80	\$8.30	0.7%	4.93%
Regulatory Assets (kWh)	500	\$ 1.1394	\$ 569.70	500	\$ -	\$ -	\$569.70	(100.0)%	0.00%
Rate Riders	500	\$ -	\$ -	500	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$ 35.22	\$ 35.22	1	\$ 35.22	\$ 35.22	\$0.00	0.0%	0.15%
Volumetric Rate Rider Adjustment (Sheet 9)	500	\$ 0.1345	\$ 67.25	500	\$ 0.1345	\$ 67.25	\$0.00	0.0%	0.28%
Retail Transmission Rate – Network Service Rate	516	\$ 1.7370	\$ 896.47	516	\$ 1.7370	\$ 896.47	\$0.00	0.0%	3.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	516	\$ 1.4292	\$ 737.61	516	\$ 1.4292	\$ 737.61	\$0.00	0.0%	3.04%
<b>Sub-Total: Delivery</b>			<b>\$ 2,970.09</b>			<b>\$ 3,552.39</b>	<b>\$582.30</b>	<b>19.6%</b>	<b>14.64%</b>
Wholesale Market Service Rate	258050	\$ 0.0052	\$ 1,341.86	258050	\$ 0.0052	\$ 1,341.86	\$0.00	0.0%	5.53%
Rural Rate Protection Charge	258050	\$ 0.0010	\$ 258.05	258050	\$ 0.0010	\$ 258.05	\$0.00	0.0%	1.06%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.00%
<b>Sub-Total: Regulatory</b>			<b>\$ 1,600.16</b>			<b>\$ 1,600.16</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>6.59%</b>
Debt Retirement Charge (DRC)	250,000	\$ 0.0070	\$ 1,750.00	250,000	\$ 0.0070	\$ 1,750.00	\$0.00	0.0%	7.21%
<b>Total Bill before Taxes</b>			<b>\$ 22,312.60</b>			<b>\$ 22,894.90</b>	<b>\$582.30</b>	<b>2.6%</b>	<b>94.34%</b>
GST	\$ 22,210.13	6.00%	\$ 1,338.76	\$ 22,894.90	6.00%	\$ 1,373.69	\$34.94	2.6%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 23,651.35</b>			<b>\$ 24,268.59</b>	<b>\$617.24</b>	<b>2.6%</b>	<b>100.00%</b>

**Unmetered Scattered Load**

<b>Consumption</b>	<b>750 kWh</b>	<b>0 kW</b>	<b>Loss Factor 1.0322</b>
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	September 2007 BILL			May 2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	38.25%
Energy Second Tier (kWh)	24	\$ 0.0620	\$ 1.50	24	\$ 0.0620	\$ 1.50	\$0.00	0.0%	1.44%
<b>Sub-Total: Energy</b>			<b>\$ 41.25</b>			<b>\$ 41.25</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>39.69%</b>
Monthly Service Charge	1	\$ 31.04	\$ 31.04	1	\$ 31.26	\$ 31.26	\$0.22	0.7%	30.08%
Distribution (kWh)	750	\$ 0.0092	\$ 6.90	750	\$ 0.0093	\$ 6.98	\$0.08	1.1%	6.71%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	750	\$ 0.0023	\$ 1.73	750	\$ -	\$ -	\$1.73	(100.0)%	0.00%
Rate Riders	750	\$ -	\$ -	750	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$ 1.76	\$ 1.76	1	\$ 1.76	\$ 1.76	\$0.00	0.0%	1.69%
Volumetric Rate Rider Adjustment (Sheet 9)	750	\$ 0.0005	\$ 0.38	750	\$ 0.0005	\$ 0.38	\$0.00	0.0%	0.36%
Retail Transmission Rate – Network Service Rate	774	\$ 0.0043	\$ 3.33	774	\$ 0.0043	\$ 3.33	\$0.00	0.0%	3.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	774	\$ 0.0036	\$ 2.79	774	\$ 0.0036	\$ 2.79	\$0.00	0.0%	2.68%
<b>Sub-Total: Delivery</b>			<b>\$ 44.47</b>			<b>\$ 46.49</b>	<b>\$2.02</b>	<b>4.5%</b>	<b>44.73%</b>
Wholesale Market Service Rate	774	\$ 0.0052	\$ 4.03	774	\$ 0.0052	\$ 4.03	\$0.00	0.0%	3.87%
Rural Rate Protection Charge	774	\$ 0.0010	\$ 0.77	774	\$ 0.0010	\$ 0.77	\$0.00	0.0%	0.74%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.24%
<b>Sub-Total: Regulatory</b>			<b>\$ 5.05</b>			<b>\$ 5.05</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>4.86%</b>
Debt Retirement Charge (DRC)	750	\$ 0.0070	\$ 5.25	750	\$ 0.0070	\$ 5.25	\$0.00	0.0%	5.05%
<b>Total Bill before Taxes</b>			<b>\$ 96.01</b>			<b>\$ 98.03</b>	<b>\$2.02</b>	<b>2.1%</b>	<b>94.34%</b>
GST	\$ 93.88	6.00%	\$ 5.76	\$ 98.03	6.00%	\$ 5.88	\$0.12	2.1%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 101.77</b>			<b>\$ 103.91</b>	<b>\$2.14</b>	<b>2.1%</b>	<b>100.00%</b>

**Sentinel Lighting**

<b>Consumption</b>	<b>300 kWh</b>	<b>1 kW</b>	<b>Loss Factor 1.0322</b>
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	September 2007 BILL			May 2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	310	\$ 0.0530	\$ 16.41	310	\$ 0.0530	\$ 16.41	\$0.00	0.0%	48.57%
Energy Second Tier (kWh)	0	\$ 0.0620	\$ -	0	\$ 0.0620	\$ -	\$0.00	0.0%	0.00%
<b>Sub-Total: Energy</b>			<b>\$ 16.41</b>			<b>\$ 16.41</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>48.57%</b>
Monthly Service Charge	1	\$ 2.08	\$ 2.08	1	\$ 2.09	\$ 2.09	\$0.01	0.5%	6.18%
Distribution (kWh)	300	\$ -	\$ -	300	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	1	\$ 6.0769	\$ 6.08	1	\$ 6.1194	\$ 6.12	\$0.04	0.7%	18.11%
Regulatory Assets (kWh)	1	\$ 12.2827	\$ 12.28	1	\$ -	\$ -	(\$12.28)	(100.0)%	0.00%
Rate Riders	1	\$ -	\$ -	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$ 0.12	\$ 0.12	1	\$ 0.12	\$ 0.12	\$0.00	0.0%	0.36%
Volumetric Rate Rider Adjustment (Sheet 9)	1	\$ 0.3468	\$ 0.35	1	\$ 0.3468	\$ 0.35	\$0.00	0.0%	1.03%
Retail Transmission Rate – Network Service Rate	1	\$ 1.3166	\$ 1.36	1	\$ 1.3166	\$ 1.36	\$0.00	0.0%	4.02%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	\$ 1.1264	\$ 1.16	1	\$ 1.1264	\$ 1.16	\$0.00	0.0%	3.44%
<b>Sub-Total: Delivery</b>			<b>\$ 23.43</b>			<b>\$ 11.20</b>	<b>(\$12.23)</b>	<b>(52.2)%</b>	<b>33.14%</b>
Wholesale Market Service Rate	310	\$ 0.0052	\$ 1.61	310	\$ 0.0052	\$ 1.61	\$0.00	0.0%	4.77%
Rural Rate Protection Charge	310	\$ 0.0010	\$ 0.31	310	\$ 0.0010	\$ 0.31	\$0.00	0.0%	0.92%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.74%
<b>Sub-Total: Regulatory</b>			<b>\$ 2.17</b>			<b>\$ 2.17</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>6.42%</b>
Debt Retirement Charge (DRC)	300	\$ 0.0070	\$ 2.10	300	\$ 0.0070	\$ 2.10	\$0.00	0.0%	6.21%
<b>Total Bill before Taxes</b>			<b>\$ 44.11</b>			<b>\$ 31.88</b>	<b>(\$12.23)</b>	<b>(27.7)%</b>	<b>94.34%</b>
GST	\$ 43.64	6.00%	\$ 2.65	\$ 31.88	6.00%	\$ 1.91	(\$0.73)	(27.7)%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 46.76</b>			<b>\$ 33.79</b>	<b>(\$12.96)</b>	<b>(27.7)%</b>	<b>100.00%</b>

**Street Lighting**

<b>Consumption</b>	<b>300 kWh</b>	<b>1 kW</b>	<b>Loss Factor 1.0322</b>
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	September 2007 BILL			May 2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	310	\$ 0.0530	\$ 16.41	310	\$ 0.0530	\$ 16.41	\$0.00	0.0%	53.85%
Energy Second Tier (kWh)	0	\$ 0.0620	\$ -	0	\$ 0.0620	\$ -	\$0.00	0.0%	0.00%
<b>Sub-Total: Energy</b>			<b>\$ 16.41</b>			<b>\$ 16.41</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>53.85%</b>
Monthly Service Charge	1	\$ 1.38	\$ 1.38	1	\$ 1.39	\$ 1.39	\$0.01	0.7%	4.56%
Distribution (kWh)	300	\$ -	\$ -	300	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	1	\$ 3.8764	\$ 3.88	1	\$ 3.9035	\$ 3.90	\$0.03	0.7%	12.81%
Regulatory Assets (kWh)	1	\$ 4.1211	\$ 4.12	1	\$ -	\$ -	\$4.12	(100.0)%	0.00%
Rate Riders	1	\$ -	\$ -	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$ 0.08	\$ 0.08	1	\$ 0.08	\$ 0.08	\$0.00	0.0%	0.26%
Volumetric Rate Rider Adjustment (Sheet 9)	1	\$ 0.2205	\$ 0.22	1	\$ 0.2205	\$ 0.22	\$0.00	0.0%	0.72%
Retail Transmission Rate – Network Service Rate	1	\$ 1.2686	\$ 1.31	1	\$ 1.2686	\$ 1.31	\$0.00	0.0%	4.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	\$ 1.1280	\$ 1.16	1	\$ 1.1280	\$ 1.16	\$0.00	0.0%	3.82%
<b>Sub-Total: Delivery</b>			<b>\$ 3.91</b>			<b>\$ 8.07</b>	<b>\$4.16</b>	<b>106.4%</b>	<b>26.47%</b>
Wholesale Market Service Rate	310	\$ 0.0052	\$ 1.61	310	\$ 0.0052	\$ 1.61	\$0.00	0.0%	5.28%
Rural Rate Protection Charge	310	\$ 0.0010	\$ 0.31	310	\$ 0.0010	\$ 0.31	\$0.00	0.0%	1.02%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.82%
<b>Sub-Total: Regulatory</b>			<b>\$ 2.17</b>			<b>\$ 2.17</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>7.12%</b>
Debt Retirement Charge (DRC)	300	\$ 0.0070	\$ 2.10	300	\$ 0.0070	\$ 2.10	\$0.00	0.0%	6.89%
<b>Total Bill before Taxes</b>			<b>\$ 24.59</b>			<b>\$ 28.75</b>	<b>\$4.16</b>	<b>16.9%</b>	<b>94.34%</b>
GST	\$ 24.29	6.00%	\$ 1.48	\$ 28.75	6.00%	\$ 1.72	\$0.25	16.9%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 26.07</b>			<b>\$ 30.47</b>	<b>\$4.41</b>	<b>16.9%</b>	<b>100.00%</b>

**Standby Power**

<b>Consumption</b>	<b>2,000,000 kWh</b>	<b>4,500 kW</b>	<b>Loss Factor 1.0322</b>
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	September 2007 BILL			May 2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	0.02%
Energy Second Tier (kWh)	2,063,650	\$ 0.0620	\$ 127,946.30	2,063,650	\$ 0.0620	\$ 127,946.30	\$0.00	0.0%	75.44%
<b>Sub-Total: Energy</b>			<b>\$ 127,986.05</b>			<b>\$ 127,986.05</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>75.47%</b>
Monthly Service Charge	1	\$ 1.46	\$ 1.46	1	\$ 1.47	\$ 1.47	\$0.01	0.7%	0.00%
Distribution (kWh)	2,000,000	\$ -	\$ -	2,000,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	4,500	\$ 1.1496	\$ 5,173.20	4,500	\$ 1.1576	\$ 5,209.20	\$36.00	0.7%	3.07%
Regulatory Assets (kWh)	4,500	\$ -	\$ -	4,500	\$ -	\$ -	\$0.00	0.0%	0.00%
Rate Riders	4,500	\$ -	\$ -	4,500	\$ -	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	4,500	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Network Service Rate	4,645	\$ -	\$ -	4,645	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	4,645	\$ -	\$ -	4,645	\$ -	\$ -	\$0.00	0.0%	0.00%
<b>Sub-Total: Delivery</b>			<b>\$ 5,174.66</b>			<b>\$ 5,210.67</b>	<b>\$36.01</b>	<b>0.7%</b>	<b>3.07%</b>
Wholesale Market Service Rate	2064400	\$ 0.0052	\$ 10,734.88	2064400	\$ 0.0052	\$ 10,734.88	\$0.00	0.0%	6.33%
Rural Rate Protection Charge	2064400	\$ 0.0010	\$ 2,064.40	2064400	\$ 0.0010	\$ 2,064.40	\$0.00	0.0%	1.22%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.00%
<b>Sub-Total: Regulatory</b>			<b>\$ 12,799.53</b>			<b>\$ 12,799.53</b>	<b>\$0.00</b>	<b>0.0%</b>	<b>7.55%</b>
Debt Retirement Charge (DRC)	2,000,000	\$ 0.0070	\$ 14,000.00	2,000,000	\$ 0.0070	\$ 14,000.00	\$0.00	0.0%	8.25%
<b>Total Bill before Taxes</b>			<b>\$ 159,960.24</b>			<b>\$ 159,996.25</b>	<b>\$36.01</b>	<b>0.0%</b>	<b>94.34%</b>
GST	\$ 159,960.24	6.00%	\$ 9,597.61	\$ 159,996.25	6.00%	\$ 9,599.78	\$2.16	0.0%	5.66%
<b>Total Bill after Taxes</b>			<b>\$ 169,557.85</b>			<b>\$ 169,596.03</b>	<b>\$38.17</b>	<b>0.0%</b>	<b>100.00%</b>



**Canadian Niagara Power Inc. - Port Colborne**

**EB-2007-XXXX, EB-2007-0595, EB-2005-0345**

**November 1, 2007**

**Bill Impacts by Consumption September 1, 2007 vs. May 1, 2008**

Class	Consumption kWh	Consumption kW	September 2007 Bill	May 2008 Bill	Difference \$	Bill Impact %	Max	Min
Residential	250		\$ 43.50	\$ 42.85	\$ (0.65)	-1.5%	-1.5%	-2.5%
	500		\$ 69.12	\$ 67.70	\$ (1.42)	-2.1%		
	750		\$ 96.41	\$ 94.22	\$ (2.19)	-2.3%		
	1,000		\$ 124.50	\$ 121.54	\$ (2.96)	-2.4%		
	1,250		\$ 152.58	\$ 148.86	\$ (3.72)	-2.4%		
	1,500		\$ 180.67	\$ 176.18	\$ (4.49)	-2.5%		
	2,000		\$ 236.84	\$ 230.81	\$ (6.03)	-2.5%		
General Service Less Than 50 kW	1,000		\$ 126.41	\$ 129.18	\$ 2.77	2.2%	2.5%	2.2%
	2,000		\$ 224.93	\$ 230.25	\$ 5.32	2.4%		
	2,500		\$ 274.20	\$ 280.79	\$ 6.59	2.4%		
	4,000		\$ 421.99	\$ 432.40	\$ 10.41	2.5%		
	6,000		\$ 619.04	\$ 634.54	\$ 15.50	2.5%		
	10,000		\$ 1,013.15	\$ 1,038.83	\$ 25.68	2.5%		
	15,000		\$ 1,505.79	\$ 1,544.18	\$ 38.39	2.5%		
General Service 50 to 4,999 kW	25,000	50	\$ 2,979.00	\$ 3,044.82	\$ 65.82	2.2%	2.9%	2.2%
	40,000	75	\$ 4,332.56	\$ 4,429.02	\$ 96.46	2.2%		
	40,000	100	\$ 4,455.53	\$ 4,582.62	\$ 127.09	2.9%		
	125,000	250	\$ 12,166.71	\$ 12,477.61	\$ 310.90	2.6%		
	300,000	650	\$ 28,491.14	\$ 29,292.18	\$ 801.04	2.8%		
	1,200,000	1,900	\$ 108,475.30	\$ 110,808.04	\$ 2,332.74	2.2%		
	2,500,000	4,000	\$ 225,456.24	\$ 230,362.24	\$ 4,906.00	2.2%		
Unmetered Scattered Load	250	0	\$ 57.20	\$ 58.07	\$ 0.87	1.5%	2.4%	1.5%
	350	0	\$ 66.07	\$ 67.19	\$ 1.12	1.7%		
	500	0	\$ 79.37	\$ 80.88	\$ 1.51	1.9%		
	600	0	\$ 88.24	\$ 90.00	\$ 1.76	2.0%		
	700	0	\$ 97.11	\$ 99.12	\$ 2.01	2.1%		
	800	0	\$ 106.70	\$ 108.97	\$ 2.27	2.1%		
	900	0	\$ 116.29	\$ 119.08	\$ 2.79	2.4%		
Sentinel Lighting	300	1	\$ 46.76	\$ 33.79	\$ (12.97)	-27.7%	-21.8%	-27.8%
	3,000	10	\$ 466.58	\$ 336.84	\$ (129.74)	-27.8%		
	6,000	20	\$ 937.72	\$ 678.23	\$ (259.49)	-27.7%		
	30,000	100	\$ 4,706.81	\$ 3,409.36	\$ (1,297.45)	-27.6%		
	300,000	1,000	\$ 47,109.13	\$ 34,134.53	\$ (12,974.60)	-27.5%		
	450,000	1,500	\$ 70,665.98	\$ 51,204.07	\$ (19,461.91)	-27.5%		
	900,000	2,000	\$ 118,834.76	\$ 92,885.55	\$ (25,949.21)	-21.8%		
Street Lighting	300	1	\$ 26.07	\$ 30.47	\$ 4.40	16.9%	16.9%	11.1%
	3,000	10	\$ 266.74	\$ 310.72	\$ 43.98	16.5%		
	6,000	20	\$ 538.83	\$ 626.78	\$ 87.95	16.3%		
	30,000	100	\$ 2,715.51	\$ 3,155.23	\$ 439.72	16.2%		
	132,000	440	\$ 11,966.39	\$ 13,901.12	\$ 1,934.73	16.2%		
	450,000	1,500	\$ 40,807.39	\$ 47,403.03	\$ 6,595.64	16.2%		
	900,000	2,000	\$ 79,023.57	\$ 87,817.76	\$ 8,794.19	11.1%		
Standby Power	250,000	2,500	\$ 23,551.05	\$ 23,572.26	\$ 21.21	0.1%	0.1%	0.0%
	350,000	2,500	\$ 31,755.03	\$ 31,776.24	\$ 21.21	0.1%		
	500,000	4,500	\$ 46,498.15	\$ 46,536.32	\$ 38.17	0.1%		
	750,000	4,500	\$ 67,008.10	\$ 67,046.27	\$ 38.17	0.1%		
	1,000,000	2,500	\$ 85,080.90	\$ 85,102.11	\$ 21.21	0.0%		
	1,250,000	4,500	\$ 108,028.00	\$ 108,066.17	\$ 38.17	0.0%		
	1,500,000	4,500	\$ 128,537.95	\$ 128,576.12	\$ 38.17	0.0%		

# Canadian Niagara Power Inc. - Port Colborne

## Tariff OF RATES AND CHARGES

### MONTHLY RATES AND CHARGES

		1-May 2008	1-Sep 2007
<b>Residential</b>			
Service Charge	\$	15.83	15.72
Service Charge - Non-Routine Rate Rider	\$	0.89	0.89
Distribution Volumetric Rate	\$/kWh	0.0154	0.0153
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0009	0.0009
Rate Rider 1 (if applicable)	0	0.0000	
Rate Rider 2 (if applicable)	0	0.0000	
Regulatory Asset Recovery	\$/kWh	0.0000	0.0030
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0051	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0040	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh	0.0000	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh	0.0000	
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	\$	31.26	31.04
Service Charge - Non-Routine Rate Rider	\$	1.76	1.76
Distribution Volumetric Rate	\$/kWh	0.0093	0.0092
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0005	0.0005
Rate Rider 1 (if applicable)	0	0.0000	
Rate Rider 2 (if applicable)	0	0.0000	
Regulatory Asset Recovery	\$/kWh	0.0000	-0.0023
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0036	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh	0.0000	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh	0.0000	
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	\$	619.04	614.74
Service Charge - Non-Routine Rate Rider	\$	35.22	35.22
Distribution Volumetric Rate	\$/kW	2.3936	2.377
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.1345	0.1345
Rate Rider 1 (if applicable)	0	0.0000	
Rate Rider 2 (if applicable)	0	0.0000	
Regulatory Asset Recovery	\$/kW	0.0000	-1.1394
Retail Transmission Rate – Network Service Rate	\$/kW	1.7370	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.4292	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW	0.0000	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW	0.0000	
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	\$	31.26	31.04
Service Charge - Non-Routine Rate Rider	\$	1.76	1.76
Distribution Volumetric Rate	\$/kWh	0.0093	0.0092
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0005	0.0005
Rate Rider 1 (if applicable)	0	0.0000	
Rate Rider 2 (if applicable)	0	0.0000	
Regulatory Asset Recovery	\$/kWh	0.0000	-0.0023
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0036	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh	0.0000	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh	0.0000	
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	\$	2.09	2.08
Service Charge - Non-Routine Rate Rider	\$	0.12	0.12
Distribution Volumetric Rate	\$/kW	6.1194	6.0769
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.3468	0.3468
Rate Rider 1 (if applicable)	0	0.0000	
Rate Rider 2 (if applicable)	0	0.0000	
Regulatory Asset Recovery	\$/kW	0.0000	12.2827
Retail Transmission Rate – Network Service Rate	\$/kW	1.3166	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1264	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW	0.0000	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW	0.0000	
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	\$	1.39	1.38
Service Charge - Non-Routine Rate Rider	\$	0.08	0.08
Distribution Volumetric Rate	\$/kW	3.9035	3.8764
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.2205	0.2205
Rate Rider 1 (if applicable)	0	0.0000	
Rate Rider 2 (if applicable)	0	0.0000	
Regulatory Asset Recovery	\$/kW	0.0000	-4.1211
Retail Transmission Rate – Network Service Rate	\$/kW	1.2686	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1280	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW	0.0000	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW	0.0000	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW	0.0000	
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	

## Standby Power

Service Charge	\$	1.47	1.46
Service Charge - Non-Routine Rate Rider	\$	0.00	0
Distribution Volumetric Rate	\$/kW	1.1576	1.1496

Cost of Power 1st 600	\$/kWh	0.053	
Balance	\$/kWh	0.062	