

#### CANADIAN NIAGARA POWER INC.



#### 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. – FORT ERIE 2008 IRM

EB-2006-0088, EB-2006-0089

Please find attached two paper copies of Canadian Niagara Power Inc. – Fort Erie'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** 



## EB-2007-

# CANADIAN NIAGARA POWER INC. FORT ERIE 2008 IRM APPLICATION

SUBMITTED: OCTOBER 29, 2007

1 **ONTARIO ENERGY BOARD** 2 3 In the matter of the Ontario Energy Board Act, 1998; 4 5 And in the matter of an application by Canadian Niagara Power Inc., for an Order or Orders approving electricity distribution rates for its Fort 6 7 Erie service territory to be implemented on May 1, 2008. 8 9 **APPLICATION** 10 11 The applicant is Canadian Niagara Power Inc., a subsidiary of FortisOntario Inc. 12 FortisOntario Inc. is an Ontario corporation with its head office located in Fort Erie, 13 Ontario. Canadian Niagara Power Inc. owns and operates transmission and 14 distribution facilities in Fort Erie, Port Colborne and Gananoque (Eastern Ontario 15 Power). In particular, this application is specific to Canadian Niagara Power Inc.'s 16 distribution operations in its Fort Erie service territory, ("CNPI – Fort Erie"). 17 18 Canadian Niagara Power Inc. hereby makes an application to the Ontario Energy 19 Board (the "Board") for an Order or Orders approving electricity distribution rates 20 effective May 1, 2008. 21 22 On December 20, 2006 the Board issued the Report of the Board on Cost of Capital and 2<sup>nd</sup> Generation Incentive Regulation for Ontario's Electricity Distributor's (the 23 24 "Report"). On September 28, 2007, the Board issued its filing instructions and a 25 spread sheet rate model for preparing and filing 2008 IRM applications to set 26 adjusted distribution rates effective May 1, 2008 for all electricity distributors that are 27 not filing Cost of Service applications. These instructions and the Model are based 28 on the Report and subsequent relevant Board Decisions.

1 CNPI – Fort Erie is applying for electricity distribution rates on the basis of the Report and the 2008 IRM instructions. 2 3 4 CNPI – Fort Erie is seeking approval of adjusted electricity distribution rates to be 5 implemented on May 1, 2008. 6 7 The evidence to be filed with the Board will include; the 2008 IRM related to CNPI – 8 Fort Erie, completed in compliance with Board instructions, and the findings in the 9 Board's Decision and Order related to CNPI – Fort Erie's 2007 IRM, EB-2007-0514. 10 11 The written evidence filed with the Board may be amended prior to the Board's final 12 decision. Further, CNPI - Fort Erie may seek meetings with Board staff and 13 intervenors in an attempt to identify and reach agreements to settle issues arising 14 out of this application. 15

The persons affected by this application are the rate payers of CNPI – Fort Erie's

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distribution business.

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1	CNPI – Fort	Erie contact information for	r matters related to this application is as
2	follows:		
3	(a)	Representing The Applican	t:
4 5 6		Mr. Douglas R. Bradbury Director Regulatory Affairs Canadian Niagara Power Ir	nc.
7 8 9		Mailing Address:	1130 Bertie Street P. O. Box 1218 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 15 16 17		Mr. R. Scott Hawkes Vice President, Corporate S Canadian Niagara Power In	Services and General Counsel nc.
18 19 20 21		Mailing Address: Telephone:	1130 Bertie Street P. O. Box 1218 Fort Erie, Ontario L2A 5Y2 (905) 994-3642
22		Fax:	(905) 871-8676
23		Email:	scott.hawkes@fortisontario.com
24 25	DATED at Fo	ort Erie, Ontario this 29th day	of October, 2007.
25 26			CANADIAN NIAGARA POWER INC.
27 28 29			De Suster
30			Douglas Bradbury
31			Director Regulatory Affairs
32			

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1	Manager's Summary
2	
3	Preamble
4	
5	CNPI – Fort Erie has used the Board approved 2006 EDR, the Board approved 2006
6	PILS / Corporate Tax Filing, RP-2005-0020/EB-2005-0344, and the Board approved
7	2007 IRM with Z-Factor Recovery, EB-2007-0514, as the basis for inputs to the
8	2008 IRM Model.
9	
10	CNPI – Fort Erie has used the Board's Decision and Order related to EB-2007-0514
11	as the basis for 2007 electricity distribution rates, service classifications and rate
12	classifications for inputs to the 2008 IRM Model.
13	
14	CNPI – Fort Erie had a deemed capital structure of 50 % debt and 50% equity in the
15	2006 EDR. CNPI – Fort Erie has complied with Board instructions and in the 2008
16	IRM Model has completed the required adjustment to reflect a capital structure of
17	53.3 % debt and 46.7% equity.
18	
19	CNPI – Fort Erie has not modified the 2008 IRM Model. CNPI – Fort Erie received
20	its Final Order related to EB-2007-0514 on August 10, 2007. To show the bill
21	impacts to customers reflecting the rate changes from September 1, 2007 to May 1,
22	2008, CNPI – Fort Erie has provided a supplementary excel spreadsheet detailing
23	these calculations.
24	
25	THE 2008 IRM MODEL
26	
27	CNPI – Fort Erie 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

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- those approved by the Board in its Decision and Order in the matter of EB-2007-
- 2 0514. Additional information associated with the determination of the cost of capital
- has been sourced from the Board approved 2006 EDR and the Board approved
- 4 2006 PILS / Corporate Tax Filing, RP-2005-0020/EB-2005-0344. CNPI Fort Erie's
- 5 2008 IRM Model is attached as Appendix A. A live version the 2008 IRM Model
- 6 Excel spreadsheet is also being provided to the Board.

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#### **REGULATORY ASSETS**

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- 10 CNPI Fort Erie currently has an approved regulatory asset recovery in its 2007
- electricity distribution rates as pursuant to the Board's Decision and Order in the
- 12 matter of RP-2005-0020/EB-2005-0344 and in the matter of EB-2007-0514. There
- is no provision to continue the recovery of regulatory assets beyond April 30, 2008
- and consequently the rate riders associated with this recovery have been removed
- from rates to reflect the end of the regulatory asset recovery period.

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#### SMART METER RATE ADDER

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- The smart metering plan rate adder approved by the Board in its Decision and Order
- 20 in the matter of RP-2005-0020/EB-2005-0344 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

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- 26 CNPI Fort Erie did not receive Board approved incremental CDM spending in the
- 27 2006 EDR and therefore no action has been taken in the 2008 IRM model.

28

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#### ADJUSTMENT FOR THE TRANSITION TO A COMMON DEEMED CAPITAL STRUCTURE

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CNPI – Fort Erie has completed the adjustment for the transition to a common
 deemed capital structure, specifically:

Deemed debt
 Deemed equity
 Resultant K-factor
 7 Resultant K-factor

8 9

#### PRICE CAP ADJUSTMENT

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

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#### RATE RIDERS

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In its Decision and Order in the matter of an application by CNPI – Fort Erie for an order or orders approving or fixing just and reasonable electricity distribution rates and other charges for 2007, EB-2007-0514, the Board approved a final 2007 rate order effective September 1, 2007. That rate order included approval of Rate Riders for recovery of costs incurred due to extraordinary events and these Rate Riders are effective until August 31, 2009.

- 25 CNPI Fort Erie has identified these Rate Riders in the 2008 IRM model. These
- 26 Rate Riders are not subject to the rate adjustment.

#### 2008 ELECTRICITY DISTRIBUTION RATES REQUESTED

2

1

- 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 Fort Erie will file a draft rate order in accordance with Board instructions.

6

#### RATE IMPACTS

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- 9 Customer impacts for total bill and electricity distribution charges for the period of
- 10 May 1, 2007 versus May 1, 2008 are summarized in the 2008 IRM Model. However,
- 11 CNPI Fort Erie received final Board approval for its rates effective September 1,
- 12 2007 and included rate riders for recovery of extraordinary event costs relating to a
- 13 natural disaster which occurred on October 12, 2006. These rate riders are effective
- until August 31, 2009 and are not eligible for price cap adjustment. In order to
- illustrate the May 1, 2008 versus September 1, 2007 total bill impact for customers,
- 16 CNPI Fort Erie has included, in Appendix B (attached hereto), bill impact sheets in
- the same format as sheets 12 and 13 of the 2008 IRM Model. A live version of the
- 18 Excel spreadsheet detailing the calculations is also being provided to the Board.

1920

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

22

Customer Class	Typical Customer	Impact or	Impact on Total Bill		
Residential	1,000 kWh	-3.8%	-\$4.47		
GS Less Than 50 kW	2.000 kWh	1.2%	\$2.83		

23 24

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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 Sentinel Lighting class to exceed 10%
5	for certain consumption profiles. These impacts are a result of the removal of the
6	regulatory assets rate rider. This rate rider was a credit to the customer and the
7	absolute value of the rate rider was greater than the volumetric rate for that class.
8	
9	CNPI – Fort Erie is not proposing to mitigate rates for the Sentinel Lighting class at
10	this time.
11	
12	
13	According to the second
14	ALL OF WHICH IS RESPECTFULLY SUBMITTED

Appendix A

2008 IRM Model

CNPI – Fort Erie



## **Ontario Energy Board**

## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

#### **Sheet 1** Utility Information Sheet

<u>Legend:</u>	Input Cell	Pull-Down Menu Option	Output Cell	
Please note that this mode	el uses MACROS. Before	starting, please ensure that ma	cros have been enable	d.
Name of LDC:	Canadian Niagara Power Inc.	Fort Erie		
Licence Number:	ED-2002-0572			
IRM 2008 EB Number: (if known)	EB-2007-XXXX			
IRM 2007 EB Number:	EB-2007-0514			
EDR 2006 RP Number:	RP-2005-0020	EDR 2006 EB Number:	EB-2005-0344	
Date of Submission:	11/01/07	Last Saved Date:	10/23/07 2:03 PM	
Model Version:	2.0			
Contact Information Name:	Douglas Bradbury			
Title:	Director Regulatory Affairs			
Phone Number:	(905) 994 3634			
E-Mail Address:	doug.bradbury@cnpower.com	n		
Please Note: In the event of an inconsistend 2 <sup>nd</sup> Generation Incentive Regulation of Onta	cy between this model and any rio's Electricity Distributors", ti	element of the December 20, 2006 "R he Report governs.	eport of the Board on Cost	of Capital and
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. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 Thursday, November 01, 2007

Sheet 2 - 2007 Rate Classes

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

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

YES	7	ŀ	V

#### 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.

Rate Classifications

Upon completion, press the update button.

INPUT CELLS

PULL-DOWN MENU

OUTPUT CELLS

	Nate Glassifications	our critiy iii i lacc
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	Rate Class 7	No
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





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

MONTHLY RATES AND CHARGES			Using the pull-down menu in below, indicate whether (Yes the rate riders will be continu 2008-09 rate year	) or not (No) ing into the
Residential				
Service Charge	\$	19.94		
Distribution Volumetric Rate	\$/kWh	0.0072		
Rate Rider 1 (if applicable)				
Rate Rider 2 (if applicable)				
Regulatory Asset Recovery	\$/kWh	0.0043	No	
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0054		_
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0047		
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)	S	0.25		

## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 Thursday, November 01, 2007

General Service Less Than 50 kW			
Service Charge	\$	17.46	
distribution Volumetric Rate	\$/kWh	0.0221	
ate Rider 1 (if applicable)			
ate Rider 2 (if applicable)			
egulatory Asset Recovery	\$/kWh	(0.0012)	No
etail Transmission Rate – Network Service Rate	\$/kWh	0.0049	
etail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042	
etail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
etail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh \$/kWh		
etail Transmission Rate – Network Service Rate (if applicable)  etail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
/holesale 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		115.92	
ervice Charge  istribution Volumetric Rate	\$/kW	7.1966	
astribution volumetric Rate	\$/KVV	7.1900	
tate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kW	(1.5227)	No
letail Transmission Rate – Network Service Rate	\$/kW	2.0150	110
tetail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.6849	
tetail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
tetail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Vholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
	<u> </u>	0.25	
Jnmetered Scattered Load ervice Charge	\$	8.51	
Jnmetered Scattered Load service Charge sistribution Volumetric Rate			
Unmetered Scattered Load service Charge Distribution Volumetric Rate tate Rider 1 (if applicable)	\$	8.51	
Unmetered Scattered Load service Charge sistribution Volumetric Rate sate Rider 1 (if applicable) sate Rider 2 (if applicable)	\$	8.51	No
Unmetered Scattered Load Service Charge Distribution Volumetric Rate State Rider 1 (if applicable) State Rider 2 (if applicable) State Rider 2 (if applicable) State Rider 3 (if applicable) State Rider 3 (if applicable)	\$ \$/kWh	8.51 0.0219	No
Unmetered Scattered Load  service Charge  sistribution Volumetric Rate sate Rider 1 (if applicable) sate Rider 2 (if applicable) segulatory Asset Recovery setail Transmission Rate – Network Service Rate	\$ \$/kWh	8.51 0.0219 0.0097	No
Unmetered Scattered Load  dervice Charge distribution Volumetric Rate date Rider 1 (if applicable) date Rider 2 (if applicable) detegulatory Asset Recovery detail Transmission Rate – Network Service Rate detail Transmission Rate – Line and Transformation Connection Service Rate	\$ \$/kWh \$/kWh \$/kWh	8.51 0.0219 0.0097 0.0049	No
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Jnmetered Scattered Load  dervice Charge  instribution Volumetric Rate  state Rider 1 (if applicable)  tate Rider 2 (if applicable)  tate Rider 2 (if applicable)  tate Rider 2 (if applicable)  tate Rider 3 (if applicable)  tate Rider 4 (if applicable)  tate Rider 5 (if applicable)  tate Rider 6 (if applicable)  tate Rider 7 (if applicable)  tate Rider 8 (if applicable)  tate Rider 9 (if applicable)  tate Rider 9 (if applicable)  Sentinel Lighting  tate Rider 1 (if applicable)	\$ \$/kWh	8.51 0.0219 0.0097 0.0049 0.0042 0.0052 0.0010 0.25	
Jnmetered Scattered Load  dervice Charge  distribution Volumetric Rate  date Rider 1 (if applicable)  date Rider 2 (if applicable)  detectal Transmission Rate – Network Service Rate  detail Transmission Rate – Line and Transformation Connection Service Rate  detail Transmission Rate – Network Service Rate (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  detail Transmission Rate – Administrative Charge (if applicable)  detail Transmission Rate – Administrative Charge (if applicable)  detail Transmission Rate – Administrative Charge (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  detail Transmission Rate – Administrative Charge (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  detail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$ \$/kWh	8.51 0.0219 0.0097 0.0049 0.0042 0.0052 0.0010 0.25 1.96 1.9583	No
Unmetered Scattered Load Service Charge Distribution Volumetric Rate Rate Rider 1 (if applicable) Rate Rider 2 (if applicable) Regulatory Asset Recovery Retail Transmission Rate – Network Service Rate Retail Transmission Rate – Line and Transformation Connection Service Rate Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable) Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable) Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable) Retail Transmission Rate – Network Service Rate (if applicable) Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable) Retail Transmission Rate – Administrative Charge (if applicable) Retail Rate Protection Charge Standard Supply Service – Administrative Charge (if applicable)  Sentinel Lighting Service Charge Distribution Volumetric Rate Rate Rider 1 (if applicable) Rate Rider 2 (if applicable) Regulatory Asset Recovery Retail Transmission Rate – Network Service Rate	\$ \$/kWh	8.51 0.0219 0.0097 0.0049 0.0042 0.0052 0.0010 0.25 1.96 1.9583 (2.6600) 1.6083	
Jnmetered Scattered Load  service Charge  Distribution Volumetric Rate  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 3 (if applicable)  state Rider 4 (if applicable)  state Rider 5 (if applicable)  state Rider 6 (if applicable)  state Rider 6 (if applicable)  state Rider 7 (if applicable)  state Rider 8 (if applicable)  state Rider 9 (if applicable)  state Rider 9 (if applicable)  state Rider 1 (if applicable)  state Rider 9 (if applicable)  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 3 (if applicable)  state Rider 3 (if applicable)  state Rider 3 (if applicable)  state Rider 4 (if applicable)  state Rider 5 (if applicable)  state Rider 6 (if applicable)  state Rider 7 (if applicable)  state Rider 8 (if applicable)  state Rider 9 (if applicable)  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 3 (if applicable)  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 3 (if applicable)  state Rider 4 (if applicable)  state Rider 5 (if applicable)  state Rider 6 (if applicable)  state Rider 7 (if applicable)  state Rider 8 (if applicable)  state Rider 9 (if applicable)  state Rider 1 (if applicable)  state Rider 1 (if applicable)  state Rider 1 (if app	\$ \$/kWh \$	8.51 0.0219 0.0097 0.0049 0.0042 0.0052 0.0010 0.25 1.96 1.9583	
Jnmetered Scattered Load  dervice Charge  Distribution Volumetric Rate  Late Rider 1 (if applicable)  Late Rider 2 (if applicable)  Late Rider 2 (if applicable)  Late Rider 3 (if applicable)  Late Rider 4 (if applicable)  Late Rider 5 (if applicable)  Late Rider 6 (if applicable)  Late Rider 7 (if applicable)  Late Rider 8 (if applicable)  Late Rider 9 (if applicable)  Late Rider 9 (if applicable)  Late Rider 1 (if applicable)  Late Rider 9 (if applicable)  Late Rider 1 (if applicable)  Late Rider 2 (if applicable)  Late Rider 3 (If applicable)  Late Rider 4 (If applicable)  Late Rider 5 (If applicable)  Late Rider 6 (If applicable)  Late Rider 8 (If applicable)  Late Rider 9 (If applicable)  Late Rider 1 (If applicable)  Late Rider 2 (If applicable)  Late Rider 3 (If applicable)  Late Rider 6 (If applicable)  Late Rider 8 (If applicable)  Late Rider 9 (If applica	\$ \$/kWh	8.51 0.0219 0.0097 0.0049 0.0042 0.0052 0.0010 0.25 1.96 1.9583 (2.6600) 1.6083	
Jnmetered Scattered Load  dervice Charge Distribution Volumetric Rate  tate Rider 1 (if applicable)  tate Rider 2 (if applicable)  tate Rider 2 (if applicable)  tate Rider 2 (if applicable)  tate Rider 3 (if applicable)  tate Rider 2 (if applicable)  tate Rider 3 (if applicable)  tate Rider 3 (if applicable)  tate Rider 3 (if applicable)  tate Rider 4 (if applicable)  tate Rider 5 (if applicable)  tate Rider 6 (if applicable)  tate Rider 6 (if applicable)  tate Rider 7 (if applicable)  tate Rider 8 (if applicable)  tate Rider 9 (if applicable)  tate Rider 1 (if applicable)  tate Rider 1 (if applicable)  tate Rider 2 (if applicable)  tate Rider 3 (if applicable)  tate Rider 4 (if applicable)  tate Rider 5 (if applicable)  tate Rider 6 (if applicable)  tate Rider 8 (if applicable)  tate Rider 9 (if applicable)  tate Rider 9 (if applicable)  tate Rider 1 (if applicable)  tate Rider 1 (if applicable)  tate Rider 2 (if applicable)  tate Rider 3 (if applicable)  tate Rider 4 (if applicable)  tate Rider 5 (if applicable)  tate Rider 6 (if applicable)  tate Rider 8 (if applicable)  tate Rider 9 (if applicable)  tate Rider 9 (if applicable)  tate Rider 9 (if applicable)  tate Rider 1 (if applicable)  tate Rider 2 (if applicable)  tate Rider 3 (if applicable)  tate Rider 4 (if applicable)  tate Rider 5 (if applicable)  tate Rider 6 (if applicable)  tate Rider 8 (if applicable)  tate Rider 9 (if applicab	\$ \$/kWh \$	8.51 0.0219 0.0097 0.0049 0.0042 0.0052 0.0010 0.25 1.96 1.9583 (2.6600) 1.6083	
Jnmetered Scattered Load  service Charge  Distribution Volumetric Rate  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 3 (if applicable)  state Rider 4 (if applicable)  state Rider 5 (if applicable)  state Rider 6 (if applicable)  state Rider 6 (if applicable)  state Rider 7 (if applicable)  state Rider 8 (if applicable)  state Rider 9 (if applicable)  state Rider 9 (if applicable)  state Rider 1 (if applicable)  state Rider 9 (if applicable)  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 3 (if applicable)  state Rider 3 (if applicable)  state Rider 3 (if applicable)  state Rider 4 (if applicable)  state Rider 5 (if applicable)  state Rider 6 (if applicable)  state Rider 7 (if applicable)  state Rider 8 (if applicable)  state Rider 9 (if applicable)  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 3 (if applicable)  state Rider 1 (if applicable)  state Rider 2 (if applicable)  state Rider 3 (if applicable)  state Rider 4 (if applicable)  state Rider 5 (if applicable)  state Rider 6 (if applicable)  state Rider 7 (if applicable)  state Rider 8 (if applicable)  state Rider 9 (if applicable)  state Rider 1 (if applicable)  state Rider 1 (if applicable)  state Rider 1 (if app	\$ \$/kWh \$/kW	8.51 0.0219 0.0097 0.0049 0.0042 0.0052 0.0010 0.25 1.96 1.9583 (2.6600) 1.6083	
Jnmetered Scattered Load  dervice Charge  instribution Volumetric Rate  state Rider 1 (if applicable)  tegulatory Asset Recovery  tetail Transmission Rate – Network Service Rate  tetail Transmission Rate – Network Service Rate (if applicable)  tetail Transmission Rate – Network Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Administrative Charge (if applicable)  Sentinel Lighting  tervice Charge  instribution Volumetric Rate  tate Rider 1 (if applicable)  tate Rider 2 (if applicable)  tetail Transmission Rate – Network Service Rate  tetail Transmission Rate – Network Service Rate  tetail Transmission Rate – Network Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$ \$/kWh \$/kW	8.51 0.0219 0.0097 0.0049 0.0042 0.0052 0.0010 0.25 1.96 1.9583 (2.6600) 1.6083	
Jnmetered Scattered Load  dervice Charge  instribution Volumetric Rate  state Rider 1 (if applicable)  tegulatory Asset Recovery  tetail Transmission Rate – Network Service Rate  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Network Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Administrative Charge (if applicable)  Sentinel Lighting  tervice Charge  tetail Transmission Rate – Administrative Charge (if applicable)  Sentinel Lighting  tetail Transmission Rate – Network Service Rate  tetail Transmission Rate – Line and Transformation Connection Service Rate  tetail Transmission Rate – Network Service Rate  tetail Transmission Rate – Network Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)  tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$ \$/kWh \$/kW \$/kW \$/kW \$/kW \$/kW \$/kW \$/kW \$/kW	8.51 0.0219 0.0097 0.0049 0.0042 0.0052 0.0010 0.25 1.96 1.9583 (2.6600) 1.6083 1.3298	

#### 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 Thursday, November 01, 2007

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

Street Lighting			
Service Charge	\$	1.30	
Distribution Volumetric Rate	\$/kW	1.5729	
Rate Rider 1 (if applicable)			
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kW	(2.0954)	No
Retail Transmission Rate – Network Service Rate	\$/kW	1.5196	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3025	
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)	S.	0.25	



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

#### **Specific Service Charges**

#### **Customer Administration**

Stomer 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

\$ 65.00
\$ 185.00
\$ 30.00
\$ 165.00
\$ 500.00
\$ 300.00
\$ 1000.00
\$ 22.35
\$
\$
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\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

#### **Allowances**

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

#### **LOSS FACTORS**

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0479
Total Loss Factor – Secondary Metered Customer > 5,000 kW	
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0374
Total Loss Factor – Primary Metered Customer > 5,000 kW	



#### 2008 INCENTIVE RATE MECHANISM ADJUSTMENT

#### 

**Sheet 4 - Smart Meter Information** 

The smart meter plan rate adder is a monthly service charge for metered customers <u>equivalent</u> 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
 \$ 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. - Fort Erie

#### **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	onthly Service Charge	R	7 Volumetric ate Charge	Meter A Monthl	007 Smart dder from y Service arge	Adjusted Monthly vice Charge	Vo	djusted lumetric Charge W / kWh	
	<u> </u>		,		<u> </u>			. ,	
Residential	\$ 19.94	\$	0.0072	\$	0.27	\$ 19.67	\$	0.0072	\$/kWh
General Service Less Than 50 kW	\$ 17.46	\$	0.0221	\$	0.27	\$ 17.19	\$	0.0221	\$/kWh
General Service 50 to 4,999 kW	\$ 115.83	\$	7.1966	\$	0.27	\$ 115.56	\$	7.1966	\$/kW
Unmetered Scattered Load	\$ 8.51	\$	0.0219	\$	-	\$ 8.51	\$	0.0219	\$/kWh
Sentinel Lighting	\$ 1.96	\$	1.9583	\$	-	\$ 1.96	\$	1.9583	\$/kW
Street Lighting	\$ 1.30	\$	1.5729	\$	-	\$ 1.30	\$	1.5729	\$/kW



#### 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344

Thursday, November 01, 2007 **Sheet 6 - K-Factor Derivation** 

#### **Capital Structure Transition**

Size of Utility (F	Rate Base)
--------------------	------------

Year	Small [\$0, \$100N	Small [\$0, \$100M)		Small ,\$250M)	Med-L [\$250N			rge \$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		(Board Approved 2006 EDR Model, Sheet 3-2, Cell E32)
Debt Rate	B		(Board Approved 2006 EDR Model, Sheet 3-2, Cell C25)
Rate Base	C	\$ 30,157,94	(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 6.046 %	= ( <b>L</b> 1 \ <b>D</b> ) + ( <b>L2</b> \ <b>A</b> )	weignted Average Cost of capita
2008	<b>H</b> 7.98 %	$= (F1 \times B) + (F2 \times A)$	

#### **Return on Rate Base**

Current	1 \$	2,426,508.34	= <b>C</b> X <b>G</b> / 100
2008	J \$	2,407,519.69	$= C \times H / 100$

Debt Equity

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

Distribution Expenses (other than PILs)	Κ	\$ 5,816,400 (Board Approved 2006 EDR Model, Sheet 4-1, Cell F15,
Base Revenue Requirement	L	\$ 7,959,520 (Board Approved 2006 EDR Model, Sheet 5-5, Cell F27,
Transformer Allowance Credit	М	\$ 106,151 (Board Approved 2006 EDR Model, Sheet 6-3, Cell "Total" in Row R120

#### Revenue Requirement (before PILs)

Current	N	\$ 8,242,908.34	= I + K
2008	0	\$ 8,223,919.69	= J + K

#### **Target Net Income (EBIT)**

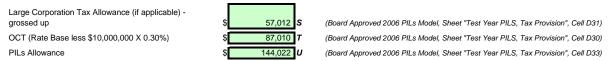
Current	\$ 1,357,107.57	P1 = I - P2
2008	\$ 1,267,538.47	Q1 = J - Q2

#### Interest Expense

Current	\$ 1,069,400.77	Ρ2	= C	X (B	X E1	/ 100)
2008	\$ 1,139,981.22	Q2	= C	X ( <b>B</b>	X <b>F</b> 1	/ 100)

#### **PILs** Tax Rate

2008



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

= AD \* (R / 100) / (1 - R / 100)

Taxable Income Current (Board Approved 2006 PILs Model, Sheet "Test Year PILS, Tax Provision", Cell D11) 2008 = AC + (Q1 - P1) \* (R / 100)= AC \* (R / 100) / (1 - R / 100)144,022 Federal Tax (grossed up) Current

= O + W + T

18,293 **W** 

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

Revenue Requirement (less LCT) (LCT is removed as it was removed in from rates in 2007 EDR, = N + V + TCurrent 8,329,918.34 X

2008 \$

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)

8,292,636.52 Y

Current 2008	\$ 8,065,671.19 <b>Z</b> \$ 8,028,389.38 <b>AA1</b>	= L + M = Z + (Y - X)
Difference	\$ - 37,281.81 <b>AA2</b>	= AA1 - Z
K-factor	-0.5% <b>AB</b>	= AA2/Z



Street Lighting

## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT

## Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 Thursday, November 01, 2007

#### **Sheet 7 - Price Cap Adjustment**

Note: No inputs are required for this worksheet.

\$

Price Escalator (GDP-IPI)	expect	erage annual ed Productivity Gain (X)		(GDP-IPI) - X		K-Factor		tal Price Cap Adjustment
1.9%		1.0%		0.9%		-0.5%		0.4%
	Adjusted	d Monthly Service Charge	Mon	thly Service Charge with Price Cap Adjustment	Ad	justed Volumetric Rate (kW / kWh)	w	olumetric Rate ith Price Cap Adjustment
Residential	\$	19.67	\$	19.75	\$	0.0072	\$	0.0072
General Service Less Than 50 kW	\$	17.19	\$	17.26	\$	0.0221	\$	0.0222
General Service 50 to 4,999 kW	\$	115.56	\$	116.02	\$	7.1966	\$	7.2254
Unmetered Scattered Load	\$	8.51	\$	8.54	\$	0.0219	\$	0.0220
Sentinel Lighting	\$	1.96	\$	1.97	\$	1.9583	\$	1.9661

1.30 \$

1.31 \$

1.5729 \$

1.5792



## 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 Thursday, November 01, 2007

#### **Sheet 8 - Addback of Smart Meter Rate Adder**

Note: No inputs are required for this worksheet.

Class	Month	ly Service Charge	 Add: Smart Meter Rate Adder \$	•	usted Monthly ervice Charge \$	Ad	justed Volumetric Charge <u>kW / kWh</u>
Residential	\$	19.75	\$ 0.27	\$	20.02	\$	0.0072
General Service Less Than 50 kW	\$	17.26	\$ 0.27	\$	17.53	\$	0.0222
General Service 50 to 4,999 kW	\$	116.02	\$ 0.27	\$	116.29	\$	7.2254
Unmetered Scattered Load	\$	8.54	\$ -	\$	8.54	\$	0.0220
Sentinel Lighting	\$	1.97	\$ -	\$	1.97	\$	1.9661
Street Lighting	\$	1.31	\$ -	\$	1.31	\$	1.5792



#### 2008 INCENTIVE RATE MECHANISM ADJUSTMENT

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 Thursday, November 01, 2007

Sheet 9. - Z-Factor Rate Rider Adjustment

✓ 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 ). 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-2007-0514, 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, 2009. These approved Rate Riders are entered below. CNPI - Fort Erie is not seeking additional Z-Factor Rate Rider Adjustments in the 2008 IRM.

Class	Monthly Service Charge Rate Rider \$		ımetric Charge Rate Rider kW / kWh
Residential	\$	2.1100	\$ 0.0008
General Service Less Than 50 kW	\$	1.8500	\$ 0.0024
General Service 50 to 4,999 kW	\$	12.4200	\$ 0.7737
Unmetered Scattered Load	\$	0.9100	\$ 0.0024
Sentinel Lighting	\$	0.2100	\$ 0.2105
Street Lighting	\$	0.1400	\$ 0.1691

## Canadian Niagara Power Inc. - Fort Erie

#### 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-2007-0514

FOR OEB STAFF USE ONLY		
Residential		
Service Charge	\$	20.02
Service Charge - Non-Routine Rate Rider	\$	2.11
Distribution Volumetric Rate	\$/kWh	0.0072
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0008
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0054
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	
Vholesale Market Service Rate		0.0047
Rural Rate Protection Charge	\$/kWh	0.0052
	\$/kWh	0.0052 0.0010
Standard Supply Service – Administrative Charge (if applicable)		0.0052
***	\$/kWh	0.0052 0.0010
***	\$/kWh	0.0052 0.0010
General Service Less Than 50 kW	\$/kWh	0.0052 0.0010
General Service Less Than 50 kW Service Charge	\$/kWh \$	0.0052 0.0010 0.25
General Service Less Than 50 kW Service Charge Service Charge - Non-Routine Rate Rider	\$/kWh \$	0.0052 0.0010 0.25
General Service Less Than 50 kW Service Charge Service Charge - Non-Routine Rate Rider Distribution Volumetric Rate	\$/kWh \$ \$ \$	0.0052 0.0010 0.25 17.53 1.85
General Service – Administrative Charge (if applicable)  General Service Less Than 50 kW  Service Charge Service Charge - Non-Routine Rate Rider Distribution Volumetric Rate Distribution Volumetric, Non-routine Rate Rider Retail Transmission Rate – Network Service Rate	\$/kWh \$ \$ \$ \$ \$/kWh	0.0052 0.0010 0.25 17.53 1.85 0.0222

Wholesale Market Service Rate Rural Rate Protection Charge

Standard Supply Service – Administrative Charge (if applicable)

\$/kWh

\$/kWh

\$

0.0052

0.0010

0.25

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

Service Charge	\$	116.29
Service Charge - Non-Routine Rate Rider	\$	12.42
Distribution Volumetric Rate	\$/kW	7.2254
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.7737
Retail Transmission Rate – Network Service Rate	\$/kW	2.0150
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.6849
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	\$	8.54
Service Charge - Non-Routine Rate Rider	\$	0.91
Distribution Volumetric Rate	\$/kWh	0.0220
Distribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0024
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0049
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042
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	\$	1.97
Service Charge - Non-Routine Rate Rider	\$	0.21
Distribution Volumetric Rate	\$/kW	1.9661
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.2105
Retail Transmission Rate – Network Service Rate	\$/kW	1.6083
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3298
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	\$	1.31
Service Charge - Non-Routine Rate Rider	\$	0.14
Distribution Volumetric Rate	\$/kW	1.5792
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.1691
Retail Transmission Rate – Network Service Rate	\$/kW	1.5196
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3025
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
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  Late Payment - per annum	<u>%</u>	1.50 19.56
Collection of account charge - no disconnection	\$	30.00
Collection of account charge - no disconnection - after regular hours	- <del>- \$</del>	165.00
Disconnect/Reconnect at meter - during regular hours	<u> </u>	65.00
Disconnect/Reconnect at meter - after regular hours	- <del>- \$</del>	185.00
Disconnect/Reconnect at pole - during regular hours	<u> </u>	185.00
Disconnect/Reconnect at pole - after regular hours	<u> </u>	415.00
Biodelinour (Coormon of Chron Togular House		
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	<u></u> %	(1.00)
LOSS FACTORS		
Total Loss Factor – Secondary Metered Customer < 5,000 kW		1.0479
Total Loss Factor - Primary Metered Customer < 5,000 kW		1.0374



Ontario

#### 👺 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 Thursday, November 01, 2007

**Sheet 11 - Distribution Rate Change Summary** 

Note: No inputs are required for this worksheet.

Resi	ide	nti	al

Data		Fixed (\$)	\$	Volumetric per kW / kWh
2007 Rates	\$	19.94	\$	0.0072
Less: Smart meters	-\$	0.27	\$	-
Less: CDM	\$	-	\$	-
Add: GDP-IPI - X	\$	0.18	\$	0.0001
Add: K-Factor	\$	(0.10)	-\$	0.0000
Add: Smart Meters	\$	0.27	\$	-
Final 2008 Rates	\$	20.02	\$	0.0072

#### **General Service Less Than 50 kW**

Data		Fixed (\$)	\$	Volumetric per kW / kWh
2007 Rates	\$	17.46	\$	0.0221
Less: Smart meters	-\$	0.27	\$	-
Less: CDM	\$	-	\$	-
Add: GDP-IPI - X	\$	0.15	\$	0.0002
Add: K-Factor	\$	(0.09)	-\$	0.0001
Add: Smart Meters	\$	0.27	\$	-
Final 2008 Rates	\$	17.53	\$	0.0222

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

Data		Fixed (\$)		Volumetric per kW / kWh
2007 Rates	\$	115.83	\$	7.1966
Less: Smart meters	-\$	0.27	\$	=
Less: CDM	\$	-	\$	-
Add: GDP-IPI - X	\$	1.04	\$	0.0648
Add: K-Factor	\$	(0.58)	-\$	0.0360
Add: Smart Meters	\$	0.27	\$	-
Final 2008 Rates	\$	116.29	\$	7.2254

#### **Unmetered Scattered Load**

	Fixed	Volumetric				
Data	(\$)	\$	oer kW / kWh			
2007 Rates	\$ 8.51	\$	0.0219			
Less: Smart meters	\$ -	\$	-			
Less: CDM	\$ -	\$	-			
Add: GDP-IPI - X	\$ 0.08	\$	0.0002			
Add: K-Factor	\$ (0.04)	-\$	0.0001			
Add: Smart Meters	\$ -	\$	=			
Final 2008 Rates	\$ 8.54	\$	0.0220			



#### **2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL**

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 Thursday, November 01, 2007

**Sheet 11 - Distribution Rate Change Summary** 

#### **Sentinel Lighting**

	Fixed	Volumetric			
Data	(\$)	\$	oer kW / kWh		
2007 Rates	\$ 1.96	\$	1.9583		
Less: Smart meters	\$ -	\$	-		
Less: CDM	\$ =	\$	=		
Add: GDP-IPI - X	\$ 0.02	\$	0.0176		
Add: K-Factor	\$ (0.01)	-\$	0.0098		
Add: Smart Meters	\$ =	\$	=		
Final 2008 Rates	\$ 1.97	\$	1.9661		

**Street Lighting** 

Data	Fixed (\$)		Volumetric per kW / kWh
2007 Rates	\$ 1.30	\$	1.5729
Less: Smart meters	\$ -	\$	-
Less: CDM	\$ -	\$	=
Add: GDP-IPI - X	\$ 0.01	\$	0.0142
Add: K-Factor	\$ (0.01)	-\$	0.0079
Add: Smart Meters	\$ -	\$	=
Final 2008 Rates	\$ 1.31	\$	1.5792



#### 拏 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 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	May-07	May-07	May-08	May-08
Non-Residential	Threshold	\$ / kWh	Threshold	\$ / kWh
less than or equal to	750	\$ 0.053	750 \$	0.053
greater than	> 750 9	\$ 0.062	> 750 \$	0.062

#### Residential

Consumption 1,000 kWh 0 kW Loss Factor 1.0479

				2	008 BILL		IMPACT					
	Volume	RATE \$	CHA	RGE	Volume		RATE \$		CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	600	\$ 0.0530	\$	31.80	600	\$	0.0530	\$	31.80	\$0.00	0.0%	28.03%
Energy Second Tier (kWh)	448	\$ 0.0620	\$	27.77	448	\$	0.0620	\$	27.77	\$0.00	0.0%	24.48%
Sub-Total: Energy			\$	59.57				\$	59.57	\$0.00	0.0%	52.51%
Monthly Service Charge	1	\$ 19.94	\$	19.94	1	\$	20.02	\$	20.02	\$0.08	0.4%	17.65%
Distribution (kWh)	1,000	\$ 0.0072	\$	7.20	1,000	\$	0.0072	\$	7.20	\$0.00	0.0%	6.35%
Distribution (kW)	0	\$	\$	-	0	\$	-	\$	-	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	1,000	\$ 0.0043	\$	4.30	1,000	\$	-	\$	-	(\$4.30)	(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	\$	2.11	\$	2.11	\$2.11	0.0%	1.86%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/	/A	1,000	\$	0.0008	\$	0.80	\$0.80	0.0%	0.71%
Retail Transmission Rate – Network Service Rate	1,048	\$ 0.0054	\$	5.66	1,048	\$	0.0054	\$	5.66	\$0.00	0.0%	4.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,048	\$ 0.0047	\$	4.93	1,048	\$	0.0047	\$	4.93	\$0.00	0.0%	4.34%
Sub-Total: Delivery			\$	42.02				\$	40.71	(\$1.31)	(3.1)%	35.89%
Wholesale Market Service Rate	1048	\$ 0.0052	\$	5.45	1048	\$	0.0052	\$	5.45	\$0.00	0.0%	4.80%
Rural Rate Protection Charge	1048	\$ 0.0010	\$	1.05	1048	\$	0.0010	\$	1.05	\$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%	0.22%
Sub-Total: Regulatory			\$	6.75				\$	6.75	\$0.00	0.0%	5.95%
Debt Retirement Charge (DRC)	1,000	\$	\$	-	1,000	\$	-	\$	-	\$0.00	0.0%	0.00%
Total Bill before Taxes			\$	108.34				\$	107.03	(\$1.31)	(1.2)%	94.34%
GST	\$ 108.34	6.00%	\$	6.50	\$ 107.03		6.00%	\$	6.42	(\$0.08)	(1.2)%	5.66%
Total Bill after Taxes			\$	114.84				\$	113.45	(\$1.39)	(1.2)%	100.00%

#### General Service Less Than 50 kW

2,000 kWh 0 kW Loss Factor 1.0479 Consumption

		20	007 BILL				2	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%	16.73%
Energy Second Tier (kWh)	1,346	\$	0.0620	69	83.44	1,346	\$	0.0620	69	83.44	\$0.00	0.0%	35.13%
Sub-Total: Energy				4	123.19				\$	123.19	\$0.00	0.0%	51.86%
Monthly Service Charge	1	\$	17.46	\$	17.46	1	\$	17.53	\$	17.53	\$0.07	0.4%	7.38%
Distribution (kWh)	2,000	\$	0.0221	69	44.20	2,000	\$	0.0222	69	44.40	\$0.20	0.5%	18.69%
Distribution (kW)	0	\$	-	\$	-	0	\$	-	\$	-	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	2,000	-\$	0.0012	-\$	2.40	2,000	\$	-	\$	-	\$2.40	(100.0)%	0.00%
Rate Riders	2,000	\$	-	69	-	2,000	\$	-	69	-	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A		N/A		N/A	1	\$	1.85	\$	1.85	\$1.85	0.0%	0.78%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A		N/A		N/A	2,000	\$	0.0024	\$	4.80	\$4.80	0.0%	2.02%
Retail Transmission Rate – Network Service Rate	2,096	\$	0.0049	\$	10.27	2,096	\$	0.0049	\$	10.27	\$0.00	0.0%	4.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,096	\$	0.0042	65	8.80	2,096	\$	0.0042	\$	8.80	\$0.00	0.0%	3.71%
Sub-Total: Delivery				\$	78.33				\$	87.65	\$9.32	11.9%	36.90%
Wholesale Market Service Rate	2096	\$	0.0052	\$	10.90	2096	\$	0.0052	\$	10.90	\$0.00	0.0%	4.59%
Rural Rate Protection Charge	2096	\$	0.0010	\$	2.10	2096	\$	0.0010	\$	2.10	\$0.00	0.0%	0.88%
Regulated Price Plan – Administration Charge	1	\$	0.2500	\$	0.25	1	\$	0.2500	\$	0.25	\$0.00	0.0%	0.11%



#### 拏 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 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.

Sub-Total: Regulatory			\$ 13.24			\$ 13.24	\$0.00	0.0%	5.58%
Debt Retirement Charge (DRC)	2,000	\$ -	\$ -	2,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Total Bill before Taxes			\$ 214.77			\$ 224.09	\$9.32	4.3%	94.34%
GST	\$ 214.77	6.00%	\$ 12.89	\$ 224.09	6.00%	\$ 13.45	\$0.56	4.3%	5.66%
Total Bill after Taxes			\$ 227.65			\$ 237.53	\$9.88	4.3%	100.00%

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

		20	007 BILL			2	008 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)	261,225	\$	0.0620	\$ 16,195.95	261,225	\$	0.0620	\$	16,195.95	\$0.00	0.0%	63.86%
Sub-Total: Energy				\$ 16,235.70				\$	16,235.70	\$0.00	0.0%	64.01%
Monthly Service Charge	1	\$	115.83	\$ 115.83	1	\$	116.29	\$	116.29	\$0.46	0.4%	0.46%
Distribution (kWh)	250,000	\$	-	\$ -	250,000	\$	-	\$		\$0.00	0.0%	0.00%
Distribution (kW)	500	\$	7.1966	\$ 3,598.30	500	\$	7.2254	\$	3,612.70	\$14.40	0.4%	14.24%
Regulatory Assets (kWh)	500	-\$	1.5227	\$ 761.35	500	\$	-	\$	-	\$761.35	(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	\$	12.42	\$	12.42	\$12.42	0.0%	0.05%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A		N/A	N/A	500	\$	0.7737	\$	386.85	\$386.85	0.0%	1.53%
Retail Transmission Rate – Network Service Rate	524	\$	2.0150	\$ 1,055.76	524	\$	2.0150	\$	1,055.76	\$0.00	0.0%	4.16%
Retail Transmission Rate – Line and Transformation Connection Service Rate	524	\$	1.6849	\$ 882.80	524	\$	1.6849	\$	882.80	\$0.00	0.0%	3.48%
Sub-Total: Delivery				\$ 4,891.34				\$	6,066.82	\$1,175.48	24.0%	23.92%
Wholesale Market Service Rate	261975	\$	0.0052	\$ 1,362.27	261975	\$	0.0052	\$	1,362.27	\$0.00	0.0%	5.37%
Rural Rate Protection Charge	261975	\$	0.0010	\$ 261.98	261975	\$	0.0010	\$	261.98	\$0.00	0.0%	1.03%
Regulated Price Plan – Administration Charge	1	\$	0.2500	\$ 0.25	1	\$	0.2500	\$	0.25	\$0.00	0.0%	0.00%
Sub-Total: Regulatory				\$ 1,624.50				\$	1,624.50	\$0.00	0.0%	6.41%
Debt Retirement Charge (DRC)	250,000	\$	-	\$ -	250,000	\$	-	\$	-	\$0.00	0.0%	0.00%
Total Bill before Taxes	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			\$ 22,751.54	,,,,,,			\$	23.927.02	\$1,175.48	5.2%	94.34%
GST	\$ 22,751.54		6.00%	\$ 1,365.09	\$ 23,927.02		6.00%	\$	1,435.62	\$70.53	5.2%	5.66%
Total Bill after Taxes		•		\$ 24.116.63				\$	25,362,64	\$1,246,01	5.2%	100.00%



#### 拏 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 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**

750 kWh 0 kW Loss Factor 1.0479 **Consumption** 

		20	07 BILL				2	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%	45.73%
Energy Second Tier (kWh)	36	\$	0.0620	\$	2.23	36	\$	0.0620	\$ 2.23	\$0.00	0.0%	2.56%
Sub-Total: Energy				\$	41.98				\$ 41.98	\$0.00	0.0%	48.29%
Monthly Service Charge	1	\$	8.51	\$	8.51	1	\$	8.54	\$ 8.54	\$0.03	0.4%	9.82%
Distribution (kWh)	750	\$	0.0219	\$	16.43	750	\$	0.0220	\$ 16.50	\$0.07	0.5%	18.98%
Distribution (kW)	0	\$	-	\$	-	0	\$	-	\$ -	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	750	\$	0.0097	\$	7.28	750	\$	-	\$ -	(\$7.28)	(100.0)%	0.00%
Rate Riders	750	\$	-	69	-	750	49	-	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A		N/A		N/A	1	\$	0.91	\$ 0.91	\$0.91	0.0%	1.05%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A		N/A		N/A	750	\$	0.0024	\$ 1.80	\$1.80	0.0%	2.07%
Retail Transmission Rate – Network Service Rate	786	\$	0.0049	\$	3.85	786	\$	0.0049	\$ 3.85	\$0.00	0.0%	4.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	786	\$	0.0042	\$	3.30	786	\$	0.0042	\$ 3.30	\$0.00	0.0%	3.80%
Sub-Total: Delivery				\$	39.36				\$ 34.90	(\$4.46)	(11.3)%	40.15%
Wholesale Market Service Rate	786	\$	0.0052	\$	4.09	786	\$	0.0052	\$ 4.09	\$0.00	0.0%	4.70%
Rural Rate Protection Charge	786	\$	0.0010	\$	0.79	786	\$	0.0010	\$ 0.79	\$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%	0.29%
Sub-Total: Regulatory				\$	5.12				\$ 5.12	\$0.00	0.0%	5.89%
Debt Retirement Charge (DRC)	750	\$	-	\$	-	750	\$	-	\$ -	\$0.00	0.0%	0.00%
Total Bill before Taxes				\$	86.46				\$ 82.00	(\$4.46)	(5.2)%	94.34%
GST	\$ 86.46		6.00%	\$	5.19	\$ 82.00		6.00%	\$ 4.92	(\$0.27)	(5.2)%	5.66%
Total Bill after Taxes				\$	91.65				\$ 86.92	(\$4.73)	(5.2)%	100.00%

#### Sentinel Lighting

Consumption 300 kWh kW Loss Factor 1.0479 1

		20	007 BILL				2	2008 BILL			IMPACT	
	Volume		RATE \$		CHARGE \$	Volume		RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	314	\$	0.0530	\$	16.66	314	\$	0.0530	\$ 16.66	\$0.00	0.0%	59.77%
Energy Second Tier (kWh)	0	\$	0.0620	\$	-	0	\$	0.0620	\$ -	\$0.00	0.0%	0.00%
Sub-Total: Energy				\$	16.66				\$ 16.66	\$0.00	0.0%	59.77%
Monthly Service Charge	1	\$	1.96	\$	1.96	1	\$	1.97	\$ 1.97	\$0.01	0.5%	7.07%
Distribution (kWh)	300	\$	-	\$	-	300	\$	-	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	1	\$	1.9583	\$	1.96	1	\$	1.9661	\$ 1.97	\$0.01	0.4%	7.05%
Regulatory Assets (kWh)	1	-\$	2.6600	-\$	2.66	1	\$	-	\$ -	\$2.66	(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	\$	0.21	\$ 0.21	\$0.21	0.0%	0.75%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A		N/A		N/A	1	\$	0.2105	\$ 0.21	\$0.21	0.0%	0.76%
Retail Transmission Rate – Network Service Rate	1	\$	1.6083	\$	1.69	1	\$	1.6083	\$ 1.69	\$0.00	0.0%	6.05%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	\$	1.3298	\$	1.39	1	\$	1.3298	\$ 1.39	\$0.00	0.0%	5.00%
Sub-Total: Delivery				\$	4.34				\$ 7.44	\$3.10	71.4%	26.68%
Wholesale Market Service Rate	314	\$	0.0052	\$	1.63	314	\$	0.0052	\$ 1.63	\$0.00	0.0%	5.86%
Rural Rate Protection Charge	314	\$	0.0010	\$	0.31	314	\$	0.0010	\$ 0.31	\$0.00	0.0%	1.13%
Regulated Price Plan – Administration Charge	1	\$	0.2500	\$	0.25	1	\$	0.2500	\$ 0.25	\$0.00	0.0%	0.90%
Sub-Total: Regulatory				\$	2.20				\$ 2.20	\$0.00	0.0%	7.89%
Debt Retirement Charge (DRC)	300	\$	-	\$	-	300	\$	-	\$ -	\$0.00	0.0%	0.00%
Total Bill before Taxes				\$	23.20				\$ 26.30	\$3.10	13.4%	94.34%
GST	\$ 23.20		6.00%	\$	1.39	\$ 26.30		6.00%	\$ 1.58	\$0.19	13.4%	5.66%
Total Bill after Taxes				\$	24.59				\$ 27.87	\$3.28	13.4%	100.00%



#### 👺 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 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

Consumption 300 kWh 1 kW Loss Factor 1.0479

		2	007 BILL	_			2	008 BILL	_		IMPACT	
	Volume		RATE \$		CHARGE \$	Volume		RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	314	\$	0.0530	\$	16.66	314	\$	0.0530	\$ 16.66	\$0.00	0.0%	62.83%
Energy Second Tier (kWh)	0	\$	0.0620	\$	-	0	\$	0.0620	\$ -	\$0.00	0.0%	0.00%
Sub-Total: Energy				\$	16.66				\$ 16.66	\$0.00	0.0%	62.83%
Monthly Service Charge	1	\$	1.30	\$	1.30	1	\$	1.31	\$ 1.31	\$0.01	0.8%	4.94%
Distribution (kWh)	300	\$	-	\$	-	300	49	-	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	1	\$	1.5729	\$	1.57	1	49	1.5792	\$ 1.58	\$0.01	0.4%	5.96%
Regulatory Assets (kWh)	1	-\$	2.0954	-\$	2.10	1	\$	-	\$ -	\$2.10	(100.0)%	0.00%
Rate Riders	1	\$	-	\$	-	1	49	-	\$ -	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A		N/A		N/A	1	\$	0.14	\$ 0.14	\$0.14	0.0%	0.53%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A		N/A		N/A	1	\$	0.1691	\$ 0.17	\$0.17	0.0%	0.64%
Retail Transmission Rate – Network Service Rate	1	\$	1.5196	\$	1.59	1	\$	1.5196	\$ 1.59	\$0.00	0.0%	6.01%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	\$	1.3025	\$	1.36	1	\$	1.3025	\$ 1.36	\$0.00	0.0%	5.15%
Sub-Total: Delivery		İ		\$	3.73				\$ 6.16	\$2.42	64.8%	23.21%
Wholesale Market Service Rate	314	\$	0.0052	\$	1.63	314	\$	0.0052	\$ 1.63	\$0.00	0.0%	6.16%
Rural Rate Protection Charge	314	\$	0.0010	\$	0.31	314	\$	0.0010	\$ 0.31	\$0.00	0.0%	1.19%
Regulated Price Plan – Administration Charge	1	\$	0.2500	\$	0.25	1	\$	0.2500	\$ 0.25	\$0.00	0.0%	0.94%
Sub-Total: Regulatory				\$	2.20				\$ 2.20	\$0.00	0.0%	8.29%
Debt Retirement Charge (DRC)	300	\$	-	\$	-	300	\$	-	\$ -	\$0.00	0.0%	0.00%
Total Bill before Taxes				\$	22.60				\$ 25.02	\$2.42	10.7%	94.34%
GST	\$ 22.60		6.00%	\$	1.36	\$ 25.02		6.00%	\$ 1.50	\$0.15	10.7%	5.66%
Total Bill after Taxes	-			\$	23.95				\$ 26.52	\$2.57	10.7%	100.00%

# 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 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	Consumption	2007 Bill	2008 Bill	Difference	Bill Impact	Max	Min
	kWh	kW			\$	%		
Residential	250		\$ 43.69	\$ 45.09	\$ 1.39	3.2%	3.2%	-2.4%
	500		\$ 65.98	\$ 66.45	\$ 0.47	0.7%	•	
	750		\$ 90.05	\$ 89.59	\$ (0.46)	-0.5%		
	1,000		\$ 114.84	\$ 113.45	\$ (1.39)	-1.2%		
	1,250		\$ 139.63	\$ 137.32	\$ (2.32)	-1.7%		
	1,500		\$ 164.42	\$ 161.18	\$ (3.24)	-2.0%		
	2,000		\$ 214.00	\$ 208.91	\$ (5.10)	-2.4%		
General Service Less Than 50 kW	1,000		\$ 119.63	\$ 125.59	\$ 5.96	5.0%	5.0%	3.7%
	2,000		\$ 227.65	\$ 237.53	\$ 9.88	4.3%		
	2,500		\$ 281.66	\$ 293.50	\$ 11.84	4.2%		
	4,000		\$ 443.68	\$ 461.41	\$ 17.72	4.0%		
	6,000		\$ 659.72	\$ 685.29	\$ 25.57	3.9%		
	10,000		\$ 1,091.79	\$ 1,133.04	\$ 41.26	3.8%		
	15,000		\$ 1,631.87	\$ 1,692.74	\$ 60.87	3.7%		
General Service 50 to 4,999 kW	25,000	50	\$ 2,515.96	\$ 2,652.85	\$ 136.89	5.4%	6.3%	4.3%
	40,000	75	\$ 3,905.39	\$ 4,103.89	\$ 198.51	5.1%	•	
	40,000	100	\$ 4,158.49	4,418.61	\$ 260.12	6.3%		
	125,000	250	\$ 12,116.26	\$ 12,746.09	\$ 629.83	5.2%		
	300,000	650	\$ 29,422.98	\$ 31,038.70	\$ 1,615.72	5.5%		
	1,200,000	1,900	\$ 110,257.40	\$ 114,954.00	\$ 4,696.61	4.3%		
	2,500,000	4,000	\$ 229,999.20	\$ 239,871.70	\$ 9,872.50	4.3%		
Unmetered Scattered Load	250	0	\$ 36.63	35.71	\$ (0.91)	-2.5%	-2.5%	-5.4%
	350	0	\$ 47.56	\$ 45.89		-3.5%		
	500	0	\$ 63.97	\$ 61.15	\$ (2.82)	-4.4%		
	600	0	\$ 74.90	71.32	\$	-4.8%		
	700	0	\$ 85.84	\$ 81.49	\$ (4.35)	-5.1%		
	800	0	\$ 97.62	92.51	\$ (5.11)	-5.2%		
	900	0	\$ 109.55	\$ 103.68	\$ (5.87)	-5.4%		
Sentinel Lighting	300	1	\$ 24.59	\$ 27.87	\$ 3.28	13.4%	13.4%	8.3%
	3,000	10	\$ 247.65	\$ 278.39	\$ 30.74	12.4%		
	6,000	20	\$ 500.11	\$ 561.36	\$	12.2%		
	30,000	100	\$ 2,519.81	\$ 2,825.14		12.1%		
	300,000	1,000	\$ 25,241.39	\$ 28,292.62	\$ 3,051.23	12.1%		
	450,000	1,500	\$ 37,864.49	\$ 42,441.22	\$ 4,576.73	12.1%		
	900,000	2,000	\$ 73,214.02	\$ 79,316.25	\$ 6,102.23	8.3%		



#### **\*** 2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 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	Consumption	2007 Bill	2008 Bill	Difference	Bill Impact	Max	Min
	kWh	kW			\$	%		
Street Lighting	300	1	\$ 23.95	\$ 26.52	\$ 2.57	10.7%	10.7%	6.6%
	3,000	10	\$ 247.56	\$ 271.79	\$ 24.23	9.8%		
	6,000	20	\$ 500.63	\$ 548.93	\$ 48.30	9.6%		
	30,000	100	\$ 2,525.22	\$ 2,766.08	\$ 240.86	9.5%		
	132,000	440	\$ 11,129.70	\$ 12,188.96	\$ 1,059.26	9.5%		
	450,000	1,500	\$ 37,955.44	\$ 41,566.17	\$ 3,610.73	9.5%		
	900,000	2,000	\$ 73,335.53	\$ 78,149.78	\$ 4,814.26	6.6%		

# Appendix B Annualized Bill Impacts

September 1, 2007 vs. May 1, 2008

**CNPI – Fort Erie** 

#### 2008 INCENTIVE RATE MECHANISM ADJUSTMENT

Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 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
3		_			•	
Regulated Price Plan	May-07		May-07	May-08		May-08
	May-07 Threshold		May-07 \$ / kWh	May-08 Threshold		
Regulated Price Plan		\$			\$	May-08

#### Residential

Consumption 1,000 kWh 0 kW Loss Factor 1.0479	I	Consumption	1,000	kWh	0	kW	Loss Factor 1.0479
---	---	-------------	-------	-----	---	----	--------------------

	Sept	ember	2007	7 BILL		N	/lay	y 2008 BI	LL			IMPACT	
	Volume	RAT \$	E	CHARGE \$		Volume		RATE \$		CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	600	\$ 0	0.0530	\$ 31.	.80	600	\$	0.0530	\$	31.80	\$0.00	0.0%	28.03%
Energy Second Tier (kWh)	448	\$ (	0.0620	\$ 27.	.77	448	\$	0.0620	\$	27.77	\$0.00	0.0%	24.48%
Sub-Total: Energy				\$ 59.	.57				\$	59.57	\$0.00	0.0%	52.51%
Monthly Service Charge	1	\$	19.94	\$ 19.	.94	1	\$	20.02	\$	20.02	\$0.08	0.4%	17.65%
Distribution (kWh)	1,000	\$ 0	0.0072	\$ 7.	.20	1,000	\$	0.0072	\$	7.20	\$0.00	0.0%	6.35%
Distribution (kW)	0	\$	-	\$ -		0	\$	-	\$	•	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	1,000		0.0043	\$ 4.	.30	1,000	\$	-	\$	-	(\$4.30)	(100.0)%	0.00%
Rate Riders	1,000	\$	-	\$ -		1,000	\$	-	\$	-	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$	2.11	\$ 2.	.11	1	\$	2.11	\$	2.11	\$0.00	0.0%	1.86%
Volumetric Rate Rider Adjustment (Sheet 9)	1,000	\$ 0	8000.0	\$ 0.	.80	1,000	\$	0.0008	\$	0.80	\$0.00	0.0%	0.71%
Retail Transmission Rate – Network Service Rate	1,048	\$ 0	0.0054	\$ 5.	.66	1,048	\$	0.0054	\$	5.66	\$0.00	0.0%	4.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,048	\$ 0	0.0047	\$ 4.	.93	1,048	\$	0.0047	\$	4.93	\$0.00	0.0%	4.34%
Sub-Total: Delivery				\$ 44.	.93				\$	40.71	(\$4.22)	(9.4)%	35.89%
Wholesale Market Service Rate	1048	\$ 0	0.0052	\$ 5.	.45	1048	\$	0.0052	\$	5.45	\$0.00	0.0%	4.80%
Rural Rate Protection Charge	1048	\$ 0	0.0010	\$ 1.	.05	1048	\$	0.0010	\$	1.05	\$0.00	0.0%	0.92%
Regulated Price Plan – Administration Charge	1	\$ 0	0.2500	\$ 0.	.25	1	\$	0.2500	\$	0.25	\$0.00	0.0%	0.22%
Sub-Total: Regulatory				\$ 6.	.75				\$	6.75	\$0.00	0.0%	5.95%
Debt Retirement Charge (DRC)	1,000	\$	-	\$ -		1,000	\$	-	\$	-	\$0.00	0.0%	0.0%
Total Bill before Taxes				\$ 111.	25				\$	107.03	(\$4.22)	(3.8)%	94.34%
GST	\$ 108.34		6.00%	\$ 6.	68	\$ 107.03		6.00%	\$	6.42	(\$0.25)	(3.8)%	5.66%
Total Bill after Taxes				\$ 117.	.93				\$	113.45	(\$4.47)	(3.8)%	100.00%

#### General Service Less Than 50 kW

Consumption	2.000	kWh	0	kW	Loss Factor 1.0479
Oonsumption	2,000	KVVIII	•	17.11	2033 7 40107 7.0473

	September 200			7 B	BILL	N	/la	y 2008 BI	LL			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%	16.73%
Energy Second Tier (kWh)	1,346	\$	0.0620	\$	83.44	1,346	\$	0.0620	65	83.44	\$0.00	0.0%	35.13%
Sub-Total: Energy				\$	123.19				\$	123.19	\$0.00	0.0%	51.86%
Monthly Service Charge	1	\$	17.46	\$	17.46	1	\$	17.53		17.53	\$0.07	0.4%	7.38%
Distribution (kWh)	2,000	\$	0.0221	\$	44.20	2,000	\$	0.0222	\$	44.40	\$0.20	0.5%	18.69%
Distribution (kW)	0	\$		\$	-	0	\$	-	\$	•	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	2,000	-\$	0.0012	\$	2.40	2,000	\$	-	65	-	\$2.40	(100.0)%	0.00%
Rate Riders	2,000	\$		\$	-	2,000	\$	-	69	-	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$	1.85	\$	1.85	1	\$	1.85	\$	1.85	\$0.00	0.0%	0.78%
Volumetric Rate Rider Adjustment (Sheet 9)	2,000	\$	0.0024	\$	4.80	2,000	\$	0.0024	\$	4.80	\$0.00	0.0%	2.02%
Retail Transmission Rate – Network Service Rate	2,096	\$	0.0049	\$	10.27	2,096	\$	0.0049	\$	10.27	\$0.00	0.0%	4.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,096	\$	0.0042	\$	8.80	2,096	\$	0.0042	\$	8.80	\$0.00	0.0%	3.71%
Sub-Total: Delivery				\$	84.98				\$	87.65	\$2.67	3.1%	36.90%
Wholesale Market Service Rate	2096	\$	0.0052	\$	10.90	2096	\$	0.0052	65	10.90	\$0.00	0.0%	4.59%
Rural Rate Protection Charge	2096	\$	0.0010	\$	2.10	2096	\$	0.0010	\$	2.10	\$0.00	0.0%	0.88%
Regulated Price Plan – Administration Charge	1	\$	0.2500	\$	0.25	1	\$	0.2500	\$	0.25	\$0.00	0.0%	0.11%
Sub-Total: Regulatory				\$	13.24				\$	13.24	\$0.00	0.0%	5.58%
Debt Retirement Charge (DRC)	2,000	\$	-	\$	-	2,000	\$	-	\$	-	\$0.00	0.0%	0.00%
Total Bill before Taxes				\$	221.42	,			\$	224.09	\$2.67	1.2%	94.34%
GST	\$ 214.77		6.00%	\$	13.28	\$ 224.09		6.00%	\$	13.45	\$0.16	1.2%	5.66%
Total Bill after Taxes				\$	234.70				\$	237.53	\$2.83	1.2%	100.00%

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

Consumption	250,000	kWh	500	kW	Loss Factor 1.0479
Concumption	200,000		000		20001 40101 110-110

	Sept	eml	ber 200	7 E	BILL	ı	/la	/ 2008 BI	LL			IMPACT	
	Volume		RATE \$		CHARGE \$	Volume	Ī	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)	261,225	\$	0.0620	\$	16,195.95	261,225	\$	0.0620	\$	16,195.95	\$0.00	0.0%	63.86%
Sub-Total: Energy				\$	16,235.70				\$	16,235.70	\$0.00	0.0%	64.01%
Monthly Service Charge	1	\$	115.83	\$	115.83	1	\$	116.29	\$	116.29	\$0.46	0.4%	0.46%
Distribution (kWh)	250,000	\$		\$	-	250,000	\$	-	\$		\$0.00	0.0%	0.00%
Distribution (kW)	500	\$	7.1966	\$	3,598.30	500	\$	7.2254	\$	3,612.70	\$14.40	0.4%	14.24%
Regulatory Assets (kWh)	500	-\$	1.5227	\$	761.35	500	\$	-	\$	-	\$761.35	(100.0)%	0.00%
Rate Riders	500	\$		\$	-	500	\$	-	\$	-	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$	12.42	\$	12.42	1	\$	12.42	\$	12.42	\$0.00	0.0%	0.05%
Volumetric Rate Rider Adjustment (Sheet 9)	500	\$	0.7737	\$	386.85	500	\$	0.7737	\$	386.85	\$0.00	0.0%	1.53%
Retail Transmission Rate – Network Service Rate	524	\$	2.0150	\$	1,055.76	524	\$	2.0150	\$	1,055.76	\$0.00	0.0%	4.16%
Retail Transmission Rate – Line and Transformation Connection Service Rate	524	\$	1.6849	\$	882.80	524	\$	1.6849	\$	882.80	\$0.00	0.0%	3.48%
Sub-Total: Delivery				\$	5,290.61				\$	6,066.82	\$776.21	14.7%	23.92%
Wholesale Market Service Rate	261975	\$	0.0052	\$	1,362.27	261975	\$	0.0052	\$	1,362.27	\$0.00	0.0%	5.37%
Rural Rate Protection Charge	261975	\$	0.0010	\$	261.98	261975	\$	0.0010	\$	261.98	\$0.00	0.0%	1.03%
Regulated Price Plan – Administration Charge	1	\$	0.2500	\$	0.25	1	\$	0.2500	\$	0.25	\$0.00	0.0%	0.00%
Sub-Total: Regulatory				\$	1,624.50				\$	1,624.50	\$0.00	0.0%	6.41%
Debt Retirement Charge (DRC)	250,000	\$	-	\$	-	250,000	\$	-	\$	-	\$0.00	0.0%	0.00%
Total Bill before Taxes				\$	23,150.81				\$	23,927.02	\$776.21	3.4%	94.34%
GST	\$ 22,751.54	Ī	6.00%	\$	1,389.05	\$ 23,927.02		6.00%	\$	1,435.62	\$46.57	3.4%	5.66%
Total Bill after Taxes				\$	24,539.86				\$	25,362.64	\$822.78	3.4%	100.00%

#### Unmetered Scattered Load

Consumption	750	kWh	0	kW	Loss Factor 1.0479
Concumption	100	KVVIII	•	17.11	2000 1 40101 110470

	Sept	emb	oer 200	7 B	ILL	N	Иay	y 2008 BI	LL			IMPACT	
	Volume		RATE \$	1	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%	45.73%
Energy Second Tier (kWh)	36	\$	0.0620	\$	2.23	36	\$	0.0620	\$	2.23	\$0.00	0.0%	2.56%
Sub-Total: Energy				\$	41.98				\$	41.98	\$0.00	0.0%	48.29%
Monthly Service Charge	1	\$	8.51	\$	8.51	1	\$	8.54	\$	8.54	\$0.03	0.4%	9.82%
Distribution (kWh)	750	\$	0.0219	\$	16.43	750	\$	0.0220	\$	16.50	\$0.07	0.5%	18.98%
Distribution (kW)	0	\$	-	\$	-	0	\$	-	\$	•	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	750	\$	0.0097	\$	7.28	750	\$	-	\$	-	(\$7.28)	(100.0)%	0.00%
Rate Riders	750	\$	-	\$	-	750	\$	-	\$	-	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$	0.91	\$	0.91	1	\$	0.91	\$	0.91	\$0.00	0.0%	1.05%
Volumetric Rate Rider Adjustment (Sheet 9)	750	\$	0.0024	\$	1.80	750	\$	0.0024	\$	1.80	\$0.00	0.0%	2.07%
Retail Transmission Rate – Network Service Rate	786	\$	0.0049	\$	3.85	786	\$	0.0049	\$	3.85	\$0.00	0.0%	4.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	786	\$	0.0042	\$	3.30	786	\$	0.0042	\$	3.30	\$0.00	0.0%	3.80%
Sub-Total: Delivery				\$	42.07				\$	34.90	(\$7.17)	(17.0)%	40.15%
Wholesale Market Service Rate	786	\$	0.0052	\$	4.09	786	\$	0.0052	\$	4.09	\$0.00	0.0%	4.70%
Rural Rate Protection Charge	786	\$	0.0010	\$	0.79	786	\$	0.0010	\$	0.79	\$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%	0.29%
Sub-Total: Regulatory				\$	5.12				\$	5.12	\$0.00	0.0%	5.89%
Debt Retirement Charge (DRC)	750	\$	-	\$	_	750	\$	-	\$	-	\$0.00	0.0%	0.00%
Total Bill before Taxes				\$	89.17				\$	82.00	(\$7.17)	(8.0)%	94.34%
GST	\$ 86.46		6.00%	\$	5.35	\$ 82.00		6.00%	\$	4.92	(\$0.43)	(8.0)%	5.66%
Total Bill after Taxes				\$	94.52				\$	86.92	(\$7.60)	(8.0)%	100.00%

#### Sentinel Lighting

	Sept	embe	er 2007	7 B	BILL	N	/lay	/ 2008 BI	LL			IMPACT	
	Volume	R.	ATE \$		CHARGE \$	Volume	Ī	RATE \$		CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	314	\$	0.0530	\$	16.66	314	\$	0.0530	\$	16.66	\$0.00	0.0%	59.77%
Energy Second Tier (kWh)	0	\$	0.0620	\$		0	\$	0.0620	\$	-	\$0.00	0.0%	0.00%
Sub-Total: Energy				\$	16.66				\$	16.66	\$0.00	0.0%	59.77%
Monthly Service Charge	1	\$	1.96	\$	1.96	1	\$	1.97	\$	1.97	\$0.01	0.5%	7.07%
Distribution (kWh)	300	\$		\$	-	300	\$	-	\$	-	\$0.00	0.0%	0.00%
Distribution (kW)	1	\$	1.9583	\$	1.96	1	\$	1.9661	\$	1.97	\$0.01	0.4%	7.05%
Regulatory Assets (kWh)	1	-\$	2.6600	-\$	2.66	1	\$	-	\$	-	\$2.66	(100.0)%	0.00%
Rate Riders	1	\$		\$	-	1	\$	-	\$	-	\$0.00	0.0%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	1	\$	0.21	\$	0.21	1	\$	0.21	\$	0.21	\$0.00	0.0%	0.75%
Volumetric Rate Rider Adjustment (Sheet 9)	1	\$	0.2105	\$	0.21	1	\$	0.2105	\$	0.21	\$0.00	0.0%	0.76%
Retail Transmission Rate – Network Service Rate	1	\$	1.6083	\$	1.69	1	\$	1.6083	\$	1.69	\$0.00	0.0%	6.05%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	\$	1.3298	\$	1.39	1	\$	1.3298	\$	1.39	\$0.00	0.0%	5.00%
Sub-Total: Delivery				\$	4.76				\$	7.44	\$2.68	56.3%	26.68%
Wholesale Market Service Rate	314	\$	0.0052	\$	1.63	314	\$	0.0052	\$	1.63	\$0.00	0.0%	5.86%
Rural Rate Protection Charge	314	\$	0.0010	\$	0.31	314	\$	0.0010	\$	0.31	\$0.00	0.0%	1.13%
Regulated Price Plan – Administration Charge	1	\$	0.2500	\$	0.25	1	\$	0.2500	\$	0.25	\$0.00	0.0%	0.90%
Sub-Total: Regulatory				\$	2.20				\$	2.20	\$0.00	0.0%	7.89%
Debt Retirement Charge (DRC)	300	\$	-	\$	-	300	\$	-	\$	-	\$0.00	0.0%	0.00%
Total Bill before Taxes				\$	23.62				\$	26.30	\$2.68	11.3%	94.34%
GST	\$ 23.20		6.00%	\$	1.42	\$ 26.30		6.00%	\$	1.58	\$0.16	11.3%	5.66%
Total Bill after Taxes				\$	25.04				\$	27.87	\$2.84	11.3%	100.00%

#### Street Lighting

Consumption	300	kWh	1	kW	Loss Factor 1.0479
Oonsumpaon	300	KVVII		L. A.A.	2033 T UCIO 1.0413

	Sept	em	ber 200	7 B	BILL	N	۷la	y 2008 BI	LL		IMPACT			
	Volume		RATE \$		CHARGE \$	Volume		RATE \$		CHARGE \$	\$	%	% of Total Bill	
Energy First Tier (kWh)	314	\$	0.0530	\$	16.66	314	\$	0.0530	\$	16.66	\$0.00	0.0%	62.83%	
Energy Second Tier (kWh)	0	\$	0.0620	\$	-	0	\$	0.0620	\$	-	\$0.00	0.0%	0.00%	
Sub-Total: Energy				\$	16.66				\$	16.66	\$0.00	0.0%	62.83%	
Monthly Service Charge	1	\$	1.30	\$	1.30	1	\$	1.31	\$	1.31	\$0.01	0.8%	4.94%	
Distribution (kWh)	300	\$	-	\$	-	300	\$	-	\$	-	\$0.00	0.0%	0.00%	
Distribution (kW)	1	\$	1.5729	\$	1.57	1	\$	1.5792	\$	1.58	\$0.01	0.4%	5.96%	
Regulatory Assets (kWh)	1	-\$	2.0954	-\$	2.10	1	\$	-	\$	-	\$2.10	(100.0)%	0.00%	
Rate Riders	1	\$	-	\$	-	1	\$	-	\$	-	\$0.00	0.0%	0.00%	
Monthly Rate Rider Adjustment (Sheet 9)	1	\$	0.14	\$	0.14	1	\$	0.14	\$	0.14	\$0.00	0.0%	0.53%	
Volumetric Rate Rider Adjustment (Sheet 9)	1	\$	0.1691	\$	0.17	1	\$	0.1691	\$	0.17	\$0.00	0.0%	0.64%	
Retail Transmission Rate – Network Service Rate	1	\$	1.5196	\$	1.59	1	\$	1.5196	\$	1.59	\$0.00	0.0%	6.01%	
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	\$	1.3025	\$	1.36	1	\$	1.3025	\$	1.36	\$0.00	0.0%	5.15%	
Sub-Total: Delivery				\$	4.04				\$	6.16	\$2.11	52.2%	23.21%	
Wholesale Market Service Rate	314	\$	0.0052	\$	1.63	314	\$	0.0052	\$	1.63	\$0.00	0.0%	6.16%	
Rural Rate Protection Charge	314	\$	0.0010	\$	0.31	314	\$	0.0010	\$	0.31	\$0.00	0.0%	1.19%	
Regulated Price Plan – Administration Charge	1	\$	0.2500	\$	0.25	1	\$	0.2500	\$	0.25	\$0.00	0.0%	0.94%	
Sub-Total: Regulatory				\$	2.20				\$	2.20	\$0.00	0.0%	8.29%	
Debt Retirement Charge (DRC)	300	\$	-	\$	-	300	\$		\$	-	\$0.00	0.0%	0.00%	
Total Bill before Taxes				\$	22.90				\$	25.02	\$2.11	9.2%	94.34%	
GST	\$ 22.60	ĺ	6.00%	\$	1.37	\$ 25.02		6.00%	\$	1.50	\$0.13	9.2%	5.66%	
Total Bill after Taxes				\$	24.28				\$	26.52	\$2.24	9.2%	100.00%	

#### 2008 INCENTIVE RATE MECHANISM ADJUSTMENT

#### Canadian Niagara Power Inc. - Fort Erie EB-2007-XXXX, EB-2007-0514, EB-2005-0344 November 1, 2007

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

Class	Consumption kWh	Consumption kW	September 2007 Bill		May 2008 Bill	Difference \$	Bill Impact	Max	Min
Residential	250		\$ 46.14	\$	45.09	\$ (1.05	-2.3%	-2.3%	-4.1%
	500		\$ 68.65	\$	66.45	\$ (2.20	-3.2%		
	750		\$ 92.92	\$	89.59	\$ (3.33	-3.6%		
	1,000		\$ 117.93		113.45	\$ (4.48			
	1,250		\$ 142.93		137.32	\$ (5.61			
	1,500		\$ 167.93		161.18	\$ (6.75			
	2,000		\$ 217.94	44	208.91	\$ (9.03	-4.1%		
General Service Less Than 50 kW	1,000		\$ 124.14		125.59			1.2%	1.2%
	2,000		\$ 234.70		237.53	\$ 2.83			
	2,500		\$ 289.98		293.50				
	4,000		\$ 455.82		461.41				
	6,000		\$ 676.94		685.29				
	10,000		\$ 1,119.19		1,133.04				
	15,000		\$ 1,671.99		1,692.74	\$ 20.75			
General Service 50 to 4,999 kW	25,000	50	\$ 2,570.14		2,652.85			3.9%	2.8%
	40,000	75	\$ 3,980.06		4,103.89	\$ 123.83			
	40,000	100	\$ 4,253.67		4,418.61				
	125,000	250	\$ 12,334.46		12,746.09				
	250,000	500	\$ 24,539.86		25,362.64				
	1,200,000	1,900	\$ 111,828.80						
	2,500,000	4,000	\$ 233,292.86		239,871.70	\$ 6,578.84			
Unmetered Scattered Load	250	0	\$ 38.23		35.71	\$ (2.52		-6.6%	-8.1%
	350	0	\$ 49.42		45.89				
	500	0	\$ 66.20		61.15				
	600	0	\$ 77.39		71.32				
	700	0	\$ 88.58		81.49	\$ (7.09			
	800	0	\$ 100.62		92.51	\$ (8.11			
	900	0	\$ 112.81		103.68	\$ (9.13	-8.1%		
Sentinel Lighting	300	1	\$ 25.04		27.87	\$ 2.83		11.3%	7.7%
	3,000	10	\$ 250.10		278.39				
	6,000	20	\$ 504.80		561.36				
	30,000	100	\$ 2,542.34		2,825.14				
	300,000	1,000	\$ 25,464.74		28,292.62				
	450,000	1,500	\$ 38,199.40		42,441.22				
	900,000	2,000	\$ 73,660.50		79,316.25				
Street Lighting	300	1	\$ 24.28		26.52			9.2%	6.0%
·	3,000	10	\$ 249.50		271.79			·	·
	6,000	20	\$ 504.37		548.93				
	30,000	100	\$ 2,543.29		2,766.08				
	132,000	440	\$ 11,208.72		12,188.96				
	450,000	1,500	\$ 38,224.46		41,566.17				
	900,000	2,000	\$ 73,694.17	\$	78,149.78	\$ 4,455.61	6.0%		

## Canadian Niagara Power Inc. - Fort Erie Tariff OF RATES AND CHARGES

#### **MONTHLY RATES AND CHARGES**

		1-May
Residential		2008
Service Charge	\$	20.02
ervice Charge - Non-Routine Rate Rider	\$	2.11
istribution Volumetric Rate	\$/kWh	0.0072
stribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0008
Rate Rider 1 (if applicable)	0	0.0000
ate Rider 2 (if applicable)	0	0.0000
egulatory Asset Recovery	\$/kWh	0.0000
etail Transmission Rate – Network Service Rate	\$/kWh	0.0054
tetail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0047
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh	0.0000
letail 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
Vholesale 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 ervice Charge	\$	17.53
Service Charge - Non-Routine Rate Rider	<u> </u>	1.85
Distribution Volumetric Rate	\$/kWh	0.0222
istribution Volumetric, Non-routine Rate Rider	\$/kWh	0.0024
ate Rider 1 (if applicable)	0	0.0024
,	0	0.0000
ate Rider 2 (if applicable) egulatory Asset Recovery	\$/kWh	0.0000
etail Transmission Rate – Network Service Rate	\$/kWh	0.0000
etail Transmission Rate – Network Service Rate  etail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0049
etail Transmission Rate – Line and Transformation Connection Service Nate	\$/kWh	0.0000
etail Transmission Rate – Network Service Rate (if applicable)  etail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh	0.0000
tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh	0.0000
letail Transmission Rate – Nework Service Rate (if applicable)	\$/kWh	0.0000
/holesale Market Service Rate	\$/kWh	0.0052
tural Rate Protection Charge	\$/kWh	0.0032
ř	\$	
Standard Supply Service – Administrative Charge (if applicable)  General Service 50 to 4,999 kW  Service Charge	\$	0.25 116.29
Service Charge - Non-Routine Rate Rider	\$	12.42
Distribution Volumetric Rate	\$/kW	7.2254
Distribution Volumetric, Non-routine Rate Rider	\$/kW	0.7737
ate Rider 1 (if applicable)	0	0.0000
ate Rider 2 (if applicable)	0	0.0000
egulatory Asset Recovery	\$/kW	0.0000
etail Transmission Rate – Network Service Rate	\$/kW	2.0150
etail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.6849
tetail Transmission Rate – Network Service Rate (if applicable)	\$/kW	0.0000
tetail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW	0.0000
tetail Transmission Rate – Network Service Rate (if applicable)	\$/kW	0.0000
etail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW	0.0000
	\$/kWh	0.0052
holesale Market Service Rate	<b>4</b> /	
/holesale Market Service Rate ural Rate Protection Charge	\$/kWh	0.0010

\$	8.54	8.51
\$		0.91
\$/kWh		0.0219
•		0.0024
0		
0	_	
	_	0.0097
\$/kWh		
\$/kWh		
	_	
\$	1.97	1.96
\$	0.21	0.21
•	1.9661	1.9583
·		0.2105
0	_	
0		
		-2.66
	_	2.00
	_	
•		
•		
•		
\$/kWh	0.0052	
\$	1.31	1.3
\$	0.14	0.14
\$/kW	1.5792	1.5729
\$/kW	0.1691	0.1691
0	0.0000	
0	0.0000	
\$/kW	0.0000	-2.0954
\$/kW	1.5196	
\$/kW	1.3025	
\$/kW	0.0000	
\$/kWh	0.0052	
\$/kWh	0.0010	
\$	0.25	
	\$/kWh \$/kWh 0 0 0 \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$ \$/kWh \$ \$/kWh \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$/kW \$/kW \$/kW \$/	\$ 0.91 \$/kWh 0.0220 \$/kWh 0.0024 0 0.0000 0 0.0000 \$/kWh 0.0049 \$/kWh 0.0049 \$/kWh 0.0000 \$/kWh 0.0000 \$/kWh 0.0000 \$/kWh 0.0000 \$/kWh 0.0000 \$/kWh 0.0010 \$ 0.25 \$ 1.97 \$ 0.21 \$/kW 1.9661 \$/kW 0.2105 0 0.0000 \$/kW 0.0000