



**CANADIAN NIAGARA POWER INC.**

A **FORTIS** ONTARIO  
Company

**BY COURIER**

November 8, 2010

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; EB-2010-0069  
2011 IRM3 ELECTRICITY DISTRIBUTION RATE APPLICATION**

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Please find accompanying this letter, two copies of the 2011 IRM3 Electricity Distribution Rate Application for Canadian Niagara Power Inc.; Port Colborne. Electronic copies of the Application have been submitted via the Board's Regulatory Electronic Submission System.

Yours truly,

Original Signed By

Douglas R. Bradbury  
Director, Regulatory Affairs

Enclosures

**ONTARIO ENERGY BOARD**

**IN THE MATTER OF** the *Ontario Energy Board Act*,  
1998, C. S.O. 1998, c.15 (Sched. B);

**AND IN THE MATTER OF** an Application by Canadian  
Niagara Power Inc. for an Order or Orders pursuant to  
Section 78 of the *Ontario Energy Board Act, 1998*  
approving or fixing just and reasonable rates and other  
service charges for the distribution of electricity.

**Application**

1. The applicant is Canadian Niagara Power Inc. (“CNPI” or the “Applicant”), a wholly-owned subsidiary of FortisOntario Inc. (“FortisOntario”). The Applicant, an Ontario corporation with its head office in Fort Erie, Ontario carries on the business, among other things, of owning and operating electricity distribution facilities within Ontario. The Applicant carries on its distribution business in the following three service territories: Fort Erie, Port Colborne and Gananoque. This Application is for CNPI’s service territory located in Port Colborne.
2. Effective May 1, 2010 in the matter of EB-2009-0215, the Board approved electricity distribution rates for CNPI’s electricity distribution customers in its Port Colborne service territory.
3. CNPI hereby applies to the Ontario Energy Board (the “Board” or the “OEB”), pursuant to section 78 of the *Ontario Energy Board Act, 1998* as amended (the “OEB Act”) for an Order or Orders approving its proposed electricity distribution rates and other charges, effective May 1, 2011.

4. The Ontario Energy Board issued file number EB-2010-0069 to CNPI – Port Colborne for the 2011 3rd Generation IRM (“2011 IRM3”) adjustment. To achieve a revenue adjustment, CNPI is seeking approval for electricity distribution rates using the 2011 IRM3 Rate Generator for Electricity Distributors.
  
5. This application for 3rd Generation IRM Electricity Distribution Rates effective May 1, 2011 is comprised of the following:
  - The Manager’s Summary;
  - A completed 2011 IRM3 Rate Generator Model for the Port Colborne service territory;
  - A completed 2011 IRM3 Revenue to Cost Ratio Adjustment Workform for the Port Colborne service territory;
  - A Completed 2011 RTSR Adjustment Workform for Electricity Distributors for the Port Colborne service territory;
  - A Completed 2011 IRM3 Shared Tax Savings Workform for Electricity Distributors for the Port Colborne service territory;
  - A Completed Smart Meter Rate Calculation Model for Electricity Distributors for the Port Colborne service territory; and,
  - A Completed 2011 IRM Deferral and Variance Account Workform for Electricity Distributors for the Port Colborne service territory.
  
6. The persons affected by this Application are the ratepayers of CNPI’s Port Colborne service territory. It is impractical to set out their names and addresses because they are too numerous.

CNPI's contact information for this Application is as follows:

The Applicant:

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

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P. O. Box 1218  
Fort Erie, Ontario L2A 5Y2  
Telephone: (905) 994-3634  
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Email Address: doug.bradbury@cnpower.com

The Applicant's counsel:

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

Mailing Address: 1130 Bertie Street  
P. O. Box 1218  
Fort Erie, Ontario L2A 5Y2  
Telephone: (905) 994-3642  
Fax: (905) 994-2211  
Email Address: scott.hawkes@cnpower.com

DATED at Fort Erie, Ontario this [Date].

CANADIAN NIAGARA POWER INC.

By its counsel,



R. Scott Hawkes

## **MANAGER'S SUMMARY**

### **PREAMBLE**

CNPI – Port Colborne has followed Chapter 3 of the Board's Filing Requirements for Transmission and Distribution Applications, dated July 9, 2010, in preparing this Application.

### **REVENUE TO COST RATIO ADJUSTMENT**

In its Decision in the matter of EB-2008-0224, the Board established the starting points and targets for specific class revenue to cost ratios for electricity distribution rates.

These were:

USL class from the new starting point of 59.80% to 69.93%

Sentinel Lights class from the new starting point of 53.41% to 61.69%

Street Lights class from the new starting point of 31.99% to 50.99%

CNPI – Port Colborne would maintain:

Residential class at the new starting point of 94.70%

GS<50 class at the new starting point of 91.16%

CNPI was directed to apply the net of the revenue responsibility increase related to the USL, Sentinel Lights and revenue responsibility decrease related to the Street Lights classes to reduce the revenue responsibility related to the GS>50 class by moving the revenue to cost ratio from the current starting point of 160.16% to a lower point. This was justified by the fact that the GS>50 class has the highest starting point ratio.

CNPI used those revenue to cost ratios as the starting point for revenue to cost adjustment in its 2010 IRM3 Application. The resultant revenue to cost ratios for the 2010 (EB-2009-0216 and EB-2009-0217) rate year were:

Class	Starting Point	Guideline	2010 Allocation
Residential	94.70%	85% -115%	94.70%
GS < 50	91.16%	80% – 120%	91.16%
GS > 50	128.61%	80% – 180%	127.01%
USL	69.93%	80% – 120%	74.97%
Sentinel Lights	61.99%	70% – 120%	65.85%
Street Lights	50.99%	70% – 120%	60.50%

For the 2011 rate year, CNPI – Port Colborne was directed to move the revenue to cost ratios for the USL, Sentinel Light and Street Light classes to the closest boundary of the Board's policy. As stated above, CNPI – Port Colborne was directed to apply the net of the revenue responsibility increase to move the revenue to cost ratio for the GS>50 class to a lower point.

CNPI – Port Colborne has complied with the Board's Decision and has implemented a second adjustment to the nearest boundary of the Board's Policy Range and applying the benefit to the GS > 50 class. The proposed 2011 revenue to cost ratios are shown below:

Class	2010 Allocation	Guideline	2011 Allocation
Residential	94.70%	85% -115%	94.70%
GS < 50	91.16%	80% – 120%	91.16%
GS > 50	127.01%	80% – 180%	125.0%
USL	74.97%	80% – 120%	80.0%
Sentinel Lights	65.85%	70% – 120%	70.0%
Street Lights	60.5%	70% – 120%	70.0%

The proposed revenue to cost ratios has been inputted in the 2011 IRM3 Revenue to Cost Adjustment Workform for Electricity Distributors. The resultant rate adjustments have been inputted into the 2011 IRM3 Rate Generator for Electricity Distributors.

**PRICE CAP ADJUSTMENT**

CNPI – Port Colborne has submitted a price cap adjustment of 0.18%. This submission is based on the current default metrics in the 2011 IRM3 Rate Generator; a price escalator of 1.3%, a productivity factor of 0.72%, and a proxy stretch factor of 0.4%. CNPI – Port Colborne acknowledges that the Board may update CNPI's 2011 IRM3 Rate Generator with updated price escalator and adjusted stretch factor.

**SMART METER RATE CALCULATION**

Arising from the Board's Decision in the matter of EB-2009-0216 and EB-2009-0217, the CNPI – Fort Erie and CNPI – Gananoque services territories have an approved Smart Meter Funding Adder of \$1.00. Arising from the Board's Decision in the matter of EB-2009-0215, the CNPI – Port Colborne service territory has an approved Smart Meter Funding Adder of \$1.00.

CNPI has utilized the 2011 IRM3 Smart Meter Rate Calculation Model to determine the Smart Meter Funding Adder for the 2011 rate year. CNPI has modified Tab 6 [AvgNtFixAss&UCC] of the Smart Meter Rate Calculation Model in order to properly recognize the individual CCA Rate for Computer Hardware (CCA Rate Class 50) and Computer Software (CCA Rate Class 12). The modification is detailed at the bottom of that Tab. The effect of this modification is to reduce to revenue requirement attributable to the Smart Meter Initiative.

The table shown below provides a summary of the Smart Meter Funding Adder as determined by the individual Smart Meter Rate Calculation Model for each of the three CNPI operating territories.

Description	Fort Erie Amount	Port Colborne Amount	Gananoque Amount	Total Amount
Revenue Requirement - 2006	-	-	-	-
Revenue Requirement - 2007	-	-	-	-
Revenue Requirement - 2008	-	-	-	-
Revenue Requirement - 2009	116,308.21	71,919.94	\$ 6,624.76	194,852.91
Revenue Requirement - 2010	308,249.05	219,846.43	\$ 59,618.84	587,714.33
Revenue Requirement - 2011	342,740.89	273,398.85	\$ 163,430.06	779,569.80
Total Revenue Requirement	767,298.16	565,165.22	229,673.65	1,562,137.03
Smart Meter Rate Adder Collected	(386,723.43)	(228,198.98)	(86,730.58)	(701,652.99)
Carrying Cost / Interest	(12,091.33)	(7,266.57)	(2,699.56)	(22,057.47)
Proposed Smart Meter Recovery	368,483.39	329,699.67	140,243.51	838,426.58
2011 Expected Metered Customers	15,776	9,212	3,546	28,534
Proposed Smart Meter Rate Adder	1.95	2.98	3.30	2.45

CNPI intends to seek harmonized electricity distribution rates for its three service territories at its next cost of service application filing. For this reason CNPI is proposing in this IRM3 Application to maintain a uniform Smart Meter Funding Adder to be applied in each of the three service territories; Fort Erie, Port Colborne and Gananoque.

CNPI proposes an average Smart Meter Funding Adder as determined above; \$2.45 per metered customer per month effective May 1, 2011.

**RATE RIDER FOR DEFERRAL AND VARIANCE ACCOUNT DISPOSITION**

CNPI has used the 2011 IRM3 Deferral and Variance Account Workform for Electricity Distributors to determine the Distribution Volumetric Deferral and Variance Disposition Rate Rider by class and these rate riders have been entered into the 2011 IRM3 Rate Generator.

During the fourth quarter of 2010, CNPI will submit Cost of Power and Global Adjustment true-ups to the IESO. CNPI has accounted for these future true-ups in the 2011 IRM3 Deferral and Variance Account Workform. Adjusting entries to account for the true-up has been made on Tab D1.6 [DefVar – Cont Sch 2009].



CNPI is requesting a one year disposition of the Distribution Volumetric Deferral and Variance Disposition Rate Rider with a sunset date of April 30, 2012.

#### **TAX CHANGE RATE RIDER**

The Board has determined that the impact of currently known legislated tax changes will be reflected in a 2011 IRM3 adjustment mechanism and that the savings from these adjustments will be shared on a 50/50 basis between the distributor and its customers.

CNPI – Port Colborne has used the 2011 IRM3 Shared Tax Savings Workform for Electricity Distributors to determine the volumetric tax change rate rider by class and these rate riders have been entered into the 2011 IRM3 Rate Generator.

CNPI is a wholly-owned subsidiary of FortisOntario and as such is subject federal income tax rules. CNPI files a consolidated income tax return which has been allocated to its operating service territories. These allocations were approved in EB-2008-0222, EB-2008-0223 and EB-2008-0224. The tax savings for CNPI – Port Colborne has been determined using a harmonized 2011 IRM3 Shared Tax Savings Workform for Electricity Distributors with the appropriate corporate tax rate.

#### **LOW VOLTAGE SERVICE CHARGES**

CNPI – Port Colborne's current Low Voltage Service Rate was approved in EB-2009-0215. CNPI – Port Colborne will continue with the current Low Voltage Service Rate and the appropriate values have been inputted to the 2011 IRM3 Rate Generator.

#### **ELECTRICITY DISTRIBUTION RETAIL TRANSMISSION SERVICE RATES**

CNPI – Port Colborne has determined adjustments to the current Retail Transmission Service Rates approved in EB-2009-0215 using the 2011 RTSR Adjustment Workform for Electricity Distributors.

#### **MICROFIT GENERATOR SERVICE CHARGE**

CNPI – Port Colborne is applying to continue the current monthly service charge of \$5.25 as approved by the Board; EB-2009-0215.

**SPECIFIC SERVICE CHARGE, ALLOWANCES AND LOSS FACTORS**

CNPI – Port Colborne is applying to continue the current Specific Service Charges, Allowances and Loss Factors as approved by the Board; EB-2009-0215.

**CURRENT TARIFF SHEETS**

CNPI – Port Colborne’s current tariff sheet is provided in the appendices.

**TARIFF SHEETS GENERATED BY THE 2011 IRM3 RATE GENERATOR**

The tariff sheet generated by the CNPI – Port Colborne 2011 IRM3 Rate Generator is provided in the appendices.

**BILL IMPACTS**

Bill impacts for Residential customers using 800 kWh per month and General Service less than 50 kW customers using 200 kWh per month are as follows:

Port Colborne

		Selected Delivery Charge and Total Bill Impacts							
		Monthly Deliver Charge				Total Bill			
		Current	Per Application	Change		Current	Per Application	Change	
				\$	%			\$	%
<b>Residential</b>	800 kWh	\$ 48.52	\$ 44.31	\$ (4.21)	-8.68%	\$ 131.57	\$ 126.81	\$ (4.76)	-3.62%
<b>GS &lt; 50 kW</b>	2000 kWh	\$ 91.39	\$ 81.82	\$ (9.57)	-10.47%	\$ 303.12	\$ 292.31	\$ (10.81)	-3.57%

The bill impacts generated by the CNPI – Port Colborne 2011 IRM3 Rate Generator are provided in the appendices.

**COMPLETED 2011 IRM3 RATE GENERATOR FOR ELECTRICITY DISTRIBUTORS**

The following are appended to and form part of this Application;

- Current Tariff Sheets for CNPI – Port Colborne,
- Tariff Sheet generated by the 2011 IRM3 Rate Generator for CNPI – Port Colborne,
- Bill impacts generated by the 2011 IRM3 Rate Generator for CNPI – Port Colborne
- 2011 IRM3 Rate Generator for CNPI – Port Colborne; EB-2010-0069,

- 2011 IRM3 Revenue to Cost Ratio Adjustment Workform for CNPI – Port Colborne; EB-2010-0069,
- Smart Meter Rate Calculation Model for CNPI – Port Colborne; EB-2010-0069,
- 2011 IRM Deferral and Variance Account Workform for CNPI – Port Colborne; EB-2010-0069,
- 2011 IRM3 Share Tax Savings Workform for CNPI – Port Colborne; EB-2010-0069, and
- 2011 RTSR Adjustment Workform for CNPI – Port Colborne; EB-2010-0069.

# **Current Tariff Sheets CNPI – Port Colborne**

# Canadian Niagara Power Inc. - Port Colborne

## CURRENT TARIFF OF RATES AND CHARGES

### CURRENT MONTHLY RATES AND CHARGES

## Residential

### Monthly Rates and Charges - Delivery Component

Service Charge	\$	15.46
Service Charge Smart Meters	\$	1.00
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	0.73
Distribution Volumetric Rate	\$/kWh	0.0219
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kWh	0.0002
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kWh	0.0064
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kWh	0.0010
Distribution Volumetric Tax Change – effective until Saturday, April 30, 2011	\$/kWh	(0.0002)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0052
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042

### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## General Service Less Than 50 kW

### Monthly Rates and Charges - Delivery Component

Service Charge	\$	30.69
Service Charge Smart Meters	\$	1.00
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	1.87
Distribution Volumetric Rate	\$/kWh	0.0144
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kWh	0.0050
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kWh	0.0009
Distribution Volumetric Tax Change – effective until Saturday, April 30, 2011	\$/kWh	(0.0001)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0044
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038

### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## General Service 50 to 4,999 kW

### Monthly Rates and Charges - Delivery Component

Service Charge	\$	560.91
Service Charge Smart Meters	\$	1.00
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	26.83
Distribution Volumetric Rate	\$/kW	2.7862
Low Voltage Volumetric Rate	\$/kW	0.0324
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kW	0.0221
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kW	2.1371
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kW	0.1155
Distribution Volumetric Tax Change – effective until Saturday, April 30, 2011	\$/kW	(0.0158)
Retail Transmission Rate – Network Service Rate	\$/kW	1.7574
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.5031

### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## Unmetered Scattered Load

### Monthly Rates and Charges - Delivery Component

Service Charge (per Customer)	\$	47.55
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	6.66
Distribution Volumetric Rate	\$/kWh	0.0242
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kWh	0.0044
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kWh	0.0034
Distribution Volumetric Tax Change – effective until Saturday, April 30, 2011	\$/kWh	(0.0002)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0044
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038

### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## Standby Power - APPROVED ON AN INTERIM BASIS

### Monthly Rates and Charges - Delivery Component

Service Charge (per Customer)	\$	0.00
Distribution Volumetric Rate	\$/kW	1.1599
Future Use <sup>9</sup>	\$/kW	
Retail Transmission Rate – Network Service Rate	\$/kW	0.00
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.00

### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00
Rural Rate Protection Charge	\$/kWh	0.00
Standard Supply Service – Administrative Charge (if applicable)	\$	0.00

## Sentinel Lighting

### Monthly Rates and Charges - Delivery Component

Service Charge (per connection)	\$	4.00
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	0.48
Distribution Volumetric Rate	\$/kW	6.5421
Low Voltage Volumetric Rate	\$/kW	0.0101
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kW	0.1691
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kW	9.7292
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kW	0.7808
Distribution Volumetric Tax Change – effective until Saturday, April 30, 2011	\$/kW	(0.1990)
Retail Transmission Rate – Network Service Rate	\$/kW	1.3319
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1846
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## Street Lighting

### Monthly Rates and Charges - Delivery Component

Service Charge (per connection)	\$	2.62
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	0.40
Distribution Volumetric Rate	\$/kW	7.4860
Low Voltage Volumetric Rate	\$/kW	0.0083
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kW	0.0491
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kW	2.9795
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kW	1.1539
Distribution Volumetric Tax Change – effective until Saturday, April 30, 2011	\$/kW	(0.0710)
Retail Transmission Rate – Network Service Rate	\$/kW	1.2835
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1862

### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### microFIT Generator

Service Charge	\$	5.25
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**CURRENT 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

**Other**

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 - Customer-owned Equipment - 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	\$	1,000.00
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	%	(0.01)

**Current Retail Service Charges (if applicable)****Retail Service Charges (if applicable)**

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)

**Service Transaction Requests (STR)**

Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00



**LOSS FACTORS**

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0382
Total Loss Factor - Secondary Metered Customer > 5,000 kW	
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0278
Total Loss Factor - Primary Metered Customer > 5,000 kW	

# **Proposed Tariff Sheets CNPI – Port Colborne**

**Canadian Niagara Power Inc. - Port Colborne**  
**TARIFF OF RATES AND CHARGES**  
**Effective Sunday, May 01, 2011**

EB-2010-0069

MONTHLY RATES AND CHARGES

## Applied For Monthly Rates and Charges

### Residential

#### Monthly Rates and Charges - Delivery Component

Service Charge	\$	15.49
Service Charge Smart Meters	\$	2.45
Distribution Volumetric Rate	\$/kWh	0.0219
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kWh	0.0017
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kWh	(0.0003)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0050
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042

#### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### General Service Less Than 50 kW

#### Monthly Rates and Charges - Delivery Component

Service Charge	\$	30.75
Service Charge Smart Meters	\$	2.45
Distribution Volumetric Rate	\$/kWh	0.0144
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kWh	0.00163
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kWh	(0.0002)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038

#### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### General Service 50 to 4,999 kW

#### Monthly Rates and Charges - Delivery Component

Service Charge	\$	555.24
Service Charge Smart Meters	\$	2.45
Distribution Volumetric Rate	\$/kW	2.7581
Low Voltage Volumetric Rate	\$/kW	0.0324
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kW	0.7692
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kW	(0.03)
Retail Transmission Rate – Network Service Rate	\$/kW	1.7032
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.5208

#### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## Unmetered Scattered Load

### Monthly Rates and Charges - Delivery Component

Service Charge (per Customer)	\$	51.38
Distribution Volumetric Rate	\$/kWh	0.0261
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kWh	0.00128
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kWh	(0.0003)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038

### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## Standby Power - APPROVED ON AN INTERIM BASIS

### Monthly Rates and Charges - Delivery Component

Distribution Volumetric Rate	\$/kW	1.1620
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## Sentinel Lighting

### Monthly Rates and Charges - Delivery Component

Service Charge (per connection)	\$	4.28
Distribution Volumetric Rate	\$/kW	6.9890
Low Voltage Volumetric Rate	\$/kW	0.0101
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kW	0.41681
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kW	(0.4077)
Retail Transmission Rate – Network Service Rate	\$/kW	1.2908
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1986

### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## Street Lighting

### Monthly Rates and Charges - Delivery Component

Service Charge (per connection)	\$	3.06
Distribution Volumetric Rate	\$/kW	8.7280
Low Voltage Volumetric Rate	\$/kW	0.0083
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kW	1.03265
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kW	(0.1585)
Retail Transmission Rate – Network Service Rate	\$/kW	1.2439
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.2002

### Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### microFIT Generator

Service Charge	\$	5.25
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### 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

**Other**

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 - Customer-owned Equipment - 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	\$	1,000.00
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	%	(0.01)

**Retail Service Charges (if applicable)****Retail Service Charges (if applicable)**

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)

**Service Transaction Requests (STR)**

Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

**LOSS FACTORS**

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0382
Total Loss Factor - Secondary Metered Customer > 5,000 kW	
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0278
Total Loss Factor - Primary Metered Customer > 5,000 kW	

# **Proposed Bill Impact Sheets CNPI – Port Colborne**



Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
 File Number: EB-2010-0069  
 Effective Date: Sunday, May 01, 2011  
 Version : 2.0

### Calculation of Bill Impacts

RTSR Loss Adjusted Metered kWh	Yes
RTSR Loss Adjusted Metered kW	No

#### Residential

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	15.46	15.49
Service Charge Rate Adder(s)	\$	1.00	2.45
Service Charge Rate Rider(s)	\$	0.73	-
Distribution Volumetric Rate	\$/kWh	0.0219	0.0219
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0001	0.0001
Distribution Volumetric Rate Rider(s)	\$/kWh	0.0074	0.0014
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0052	0.0050
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042	0.0042
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service - Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	800 kWh	0 kWh	Loss Factor 1.0382
RPP Tier One	600 kWh	Load Factor	

Residential	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	800	0.0650	52.00	600	0.0650	39.00	0.00	0.0%	30.75%
Energy Second Tier (kWh)	231	0.0750	17.33	231	0.0750	17.33	0.00	0.0%	13.67%
<b>Sub-Total: Energy</b>			<b>69.33</b>			<b>56.33</b>	<b>0.00</b>	<b>0.0%</b>	<b>44.42%</b>
Service Charge	1	15.46	15.46	1	15.49	0.03	0.2%	12.22%	
Service Charge Rate Adder(s)	1	1.00	1.00	1	2.45	1.45	145.0%	1.93%	
Service Charge Rate Rider(s)	1	0.73	0.73	1	0.00	-0.73	(100.0%)	0.00%	
Distribution Volumetric Rate	800	0.0219	17.52	800	0.0219	17.52	0.00	0.0%	13.82%
Distribution Volumetric Rate Adder(s)	800	0.0000	0.00	800	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	800	0.0001	0.08	800	0.0001	0.08	0.00	0.0%	0.06%
Distribution Volumetric Rate Rider(s)	800	0.0074	5.92	800	0.0014	1.12	-4.80	(81.1%)	0.88%
<b>Total: Distribution</b>			<b>40.71</b>			<b>36.66</b>	<b>-4.05</b>	<b>(9.9%)</b>	<b>28.91%</b>
Retail Transmission Rate - Network Service Rate	831	0.0052	4.32	831	0.0050	4.16	-0.16	(3.7%)	3.28%
Retail Transmission Rate - Line and Transformation Connection Service Rate	831	0.0042	3.49	831	0.0042	3.49	0.00	0.0%	2.75%
<b>Total: Retail Transmission</b>			<b>7.81</b>			<b>7.65</b>	<b>-0.16</b>	<b>(2.0%)</b>	<b>6.03%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>48.52</b>			<b>44.31</b>	<b>-4.21</b>	<b>(8.7%)</b>	<b>34.94%</b>
Wholesale Market Service Rate	831	0.0052	4.32	831	0.0052	4.32	0.00	0.0%	3.41%
Rural Rate Protection Charge	831	0.0013	1.08	831	0.0013	1.08	0.00	0.0%	0.85%
Special Purpose Charge	831	0.0004	0.33	831	0.0004	0.33	0.00	0.0%	0.26%
Standard Supply Service - Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.20%
<b>Sub-Total: Regulatory</b>			<b>5.98</b>			<b>5.98</b>	<b>0.00</b>	<b>0.0%</b>	<b>4.72%</b>
Debt Retirement Charge (DRC)	800	0.00700	5.60	800	0.00700	5.60	0.00	0.0%	4.42%
<b>Total Bill before Taxes</b>			<b>116.43</b>			<b>112.22</b>	<b>-4.21</b>	<b>(3.6%)</b>	<b>88.49%</b>
HST	116.43	13%	15.14	112.22	13%	14.59	-0.55	(3.6%)	11.51%
<b>Total Bill</b>			<b>131.57</b>			<b>126.81</b>	<b>-4.76</b>	<b>(3.6%)</b>	<b>100.00%</b>

#### Rate Class Threshold Test

##### Residential

kWh	250	600	800	1,400	2,250
Loss Factor Adjusted kWh	260	623	831	1,454	2,336
kWh					
Load Factor					

##### Energy

Applied For Bill	16.90 \$	40.73 \$	56.33 \$	103.05 \$	169.20 \$
Current Bill	16.90 \$	40.73 \$	56.33 \$	103.05 \$	169.20 \$
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	31.9%	41.3%	44.4%	48.7%	51.0%

##### Distribution

Applied For Bill	23.79 \$	31.98 \$	36.66 \$	50.70 \$	70.59 \$
Current Bill	24.54 \$	34.83 \$	40.71 \$	58.35 \$	83.34 \$
\$ Impact	-0.75 \$	-2.85 \$	-4.05 \$	-7.65 \$	-12.75 \$
% Impact	-3.1%	-8.2%	-9.9%	-13.1%	-15.3%
% of Total Bill	44.9%	32.5%	28.9%	24.0%	21.3%

##### Retail Transmission

Applied For Bill	2.39 \$	5.73 \$	7.64 \$	13.38 \$	21.49 \$
Current Bill	2.44 \$	5.86 \$	7.81 \$	13.67 \$	21.96 \$
\$ Impact	-0.05 \$	-0.13 \$	-0.17 \$	-0.29 \$	-0.47 \$
% Impact	-2.0%	-2.2%	-2.2%	-2.1%	-2.1%
% of Total Bill	4.5%	5.8%	6.0%	6.3%	6.5%

##### Delivery (Distribution and Retail Transmission)

Applied For Bill	26.18 \$	37.71 \$	44.30 \$	64.08 \$	92.08 \$
Current Bill	26.98 \$	40.69 \$	48.52 \$	72.02 \$	105.30 \$
\$ Impact	-0.80 \$	-2.98 \$	-4.22 \$	-7.94 \$	-13.22 \$
% Impact	-3.0%	-7.3%	-9.5%	-12.4%	-14.2%
% of Total Bill	49.4%	38.3%	34.9%	30.3%	27.8%

##### Regulatory

Applied For Bill	2.04 \$	4.55 \$	5.98 \$	10.28 \$	16.37 \$
Current Bill	2.04 \$	4.55 \$	5.98 \$	10.28 \$	16.37 \$
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	3.9%	4.6%	4.7%	4.9%	4.9%

##### Debt Retirement Charge

Applied For Bill	1.75 \$	4.20 \$	5.60 \$	9.80 \$	15.75 \$
Current Bill	1.75 \$	4.20 \$	5.60 \$	9.80 \$	15.75 \$
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	3.3%	4.3%	4.4%	4.6%	4.8%

##### GST

Applied For Bill	6.09 \$	11.33 \$	14.59 \$	24.34 \$	38.14 \$
Current Bill	6.20 \$	11.72 \$	15.14 \$	25.37 \$	39.86 \$
\$ Impact	-0.11 \$	-0.39 \$	-0.55 \$	-1.03 \$	-1.72 \$
% Impact	-1.8%	-3.3%	-3.6%	-4.1%	-4.3%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

##### Total Bill

Applied For Bill	52.96 \$	98.52 \$	126.80 \$	211.55 \$	331.54 \$
Current Bill	53.87 \$	101.89 \$	131.57 \$	220.52 \$	346.48 \$
\$ Impact	-0.91 \$	-3.37 \$	-4.77 \$	-8.97 \$	-14.94 \$
% Impact	-1.7%	-3.3%	-3.6%	-4.1%	-4.3%

Rounding Applied -0.010000



Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
 File Number: EB-2010-0069  
 Effective Date: Sunday, May 01, 2011  
 Version : 2.0

### Calculation of Bill Impacts

RTSR Loss Adjusted Metered kWh	Yes
RTSR Loss Adjusted Metered kW	No

#### General Service Less Than 50 kW

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	30.69	30.75
Service Charge Rate Adder(s)	\$	1.00	2.45
Service Charge Rate Rider(s)	\$	1.87	-
Distribution Volumetric Rate	\$/kWh	0.0144	0.0144
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0001	0.0001
Distribution Volumetric Rate Rider(s)	\$/kWh	0.0059	0.0014
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0044	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038	0.0038
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	2,000 kWh	0 kWh
RPP Tier One	750 kWh	Load Factor

Loss Factor 1.0382

#### General Service Less Than 50 kW

	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill	
Energy First Tier (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.0%	16.88%	
Energy Second Tier (kWh)	1,327	0.0750	99.53	1,327	0.0750	99.53	0.00	0.0%	34.05%	
<b>Sub-Total: Energy</b>			<b>148.28</b>			<b>148.28</b>	<b>0.00</b>	<b>0.0%</b>	<b>50.73%</b>	
Service Charge	1	30.69	30.69	1	30.75	30.75	0.06	-0.2%	10.52%	
Service Charge Rate Adder(s)	1	1.00	1.00	1	2.45	2.45	1.45	145.0%	0.84%	
Service Charge Rate Rider(s)	1	1.87	1.87	1	0.00	0.00	-1.87	(100.0%)	0.00%	
Distribution Volumetric Rate	2,000	0.0144	28.80	2,000	0.0144	28.80	0.00	0.0%	9.85%	
Distribution Volumetric Rate Adder(s)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.0%	0.00%	
Low Voltage Volumetric Rate	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.0%	0.07%	
Distribution Volumetric Rate Rider(s)	2,000	0.0059	11.80	2,000	0.0014	2.80	-9.00	(76.3%)	0.96%	
<b>Total: Distribution</b>			<b>74.36</b>			<b>65.00</b>	<b>-9.36</b>	<b>(12.6%)</b>	<b>22.24%</b>	
Retail Transmission Rate – Network Service Rate	2,077	0.0044	9.14	2,077	0.0043	8.93	-0.21	(2.3%)	3.05%	
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,077	0.0038	7.89	2,077	0.0038	7.89	0.00	0.0%	2.70%	
<b>Total: Retail Transmission</b>			<b>17.03</b>			<b>16.82</b>	<b>-0.21</b>	<b>(1.2%)</b>	<b>5.75%</b>	
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>91.39</b>			<b>81.82</b>	<b>-9.57</b>	<b>(10.5%)</b>	<b>27.99%</b>	
Wholesale Market Service Rate	2,077	0.0052	10.80	2,077	0.0052	10.80	0.00	0.0%	3.69%	
Rural Rate Protection Charge	2,077	0.0013	2.70	2,077	0.0013	2.70	0.00	0.0%	0.92%	
Special Purpose Charge	2,077	0.0004	0.83	2,077	0.0004	0.83	0.00	0.0%	0.28%	
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.09%	
<b>Sub-Total: Regulatory</b>			<b>14.58</b>			<b>14.58</b>	<b>0.00</b>	<b>0.0%</b>	<b>4.99%</b>	
Debt Retirement Charge (DRC)	2,000	0.00700	14.00	2,000	0.00700	14.00	0.00	0.0%	4.79%	
<b>Total Bill before Taxes</b>			<b>268.25</b>			<b>258.68</b>	<b>-9.57</b>	<b>(3.6%)</b>	<b>88.50%</b>	
HST							33.63	-1.24	(3.6%)	11.50%
<b>Total Bill</b>			<b>303.12</b>			<b>292.31</b>	<b>-10.81</b>	<b>(3.6%)</b>	<b>100.00%</b>	

#### Rate Class Threshold Test

##### General Service Less Than 50 kW

	kWh	1,000	2,000	7,500	15,000	20,000
Loss Factor Adjusted kWh	kWh	1,039	2,077	7,787	15,574	20,765
Load Factor	kW					

##### Energy

Applied For Bill	\$ 70.43	\$ 148.28	\$ 576.53	\$ 1,160.55	\$ 1,548.88
Current Bill	\$ 70.43	\$ 148.28	\$ 576.53	\$ 1,160.55	\$ 1,548.88
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	43.8%	50.7%	56.8%	58.0%	58.3%

##### Distribution

Applied For Bill	\$ 49.13	\$ 65.06	\$ 152.67	\$ 272.15	\$ 351.80
Current Bill	\$ 53.96	\$ 74.36	\$ 186.56	\$ 339.56	\$ 441.56
\$ Impact	\$ -4.83	\$ 9.30	\$ 33.89	\$ 67.41	\$ 89.76
% Impact	-9.0%	-12.5%	-18.2%	-19.9%	-20.3%
% of Total Bill	30.5%	22.3%	15.0%	13.6%	13.2%

##### Retail Transmission

Applied For Bill	\$ 8.42	\$ 16.82	\$ 63.07	\$ 126.15	\$ 168.20
Current Bill	\$ 8.52	\$ 17.03	\$ 63.85	\$ 127.71	\$ 170.28
\$ Impact	\$ 0.10	\$ 0.21	\$ 0.78	\$ 1.56	\$ 2.08
% Impact	-1.2%	-1.2%	-1.2%	-1.2%	-1.2%
% of Total Bill	5.2%	5.8%	6.2%	6.3%	6.3%

##### Delivery (Distribution and Retail Transmission)

Applied For Bill	\$ 57.55	\$ 81.88	\$ 215.74	\$ 398.30	\$ 520.00
Current Bill	\$ 62.48	\$ 91.39	\$ 250.41	\$ 467.27	\$ 611.84
\$ Impact	\$ -4.93	\$ 9.51	\$ 34.67	\$ 68.97	\$ 91.84
% Impact	-7.9%	-10.4%	-13.9%	-14.8%	-15.0%
% of Total Bill	35.8%	28.0%	21.2%	19.9%	19.6%

##### Regulatory

Applied For Bill	\$ 7.42	\$ 14.58	\$ 53.97	\$ 107.71	\$ 143.53
Current Bill	\$ 7.42	\$ 14.58	\$ 53.97	\$ 107.71	\$ 143.53
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	4.6%	5.0%	5.3%	5.4%	5.4%

##### Debt Retirement Charge

Applied For Bill	\$ 7.00	\$ 14.00	\$ 52.50	\$ 105.00	\$ 140.00
Current Bill	\$ 7.00	\$ 14.00	\$ 52.50	\$ 105.00	\$ 140.00
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	4.4%	4.8%	5.2%	5.2%	5.3%

##### GST

Applied For Bill	\$ 18.51	\$ 33.64	\$ 116.84	\$ 230.30	\$ 305.94
Current Bill	\$ 19.15	\$ 34.87	\$ 121.34	\$ 239.27	\$ 317.88
\$ Impact	\$ -0.64	\$ -1.23	\$ -4.50	\$ -8.97	\$ -11.94
% Impact	-3.3%	-3.5%	-3.7%	-3.7%	-3.8%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

##### Total Bill

Applied For Bill	\$ 160.91	\$ 292.38	\$ 1,015.58	\$ 2,001.86	\$ 2,659.35
Current Bill	\$ 166.48	\$ 303.12	\$ 1,054.75	\$ 2,079.80	\$ 2,763.13
\$ Impact	\$ -5.57	\$ -10.74	\$ -39.17	\$ -77.94	\$ -103.78
% Impact	-3.3%	-3.5%	-3.7%	-3.7%	-3.8%

Rounding Applied 0.070000





Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
 File Number: EB-2010-0069  
 Effective Date: Sunday, May 01, 2011  
 Version : 2.0

### Calculation of Bill Impacts

RTSR Loss Adjusted Metered kWh	Yes
RTSR Loss Adjusted Metered kW	No

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

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	560.91	555.24
Service Charge Rate Adder(s)	\$	1.00	2.45
Service Charge Rate Rider(s)	\$	26.83	-
Distribution Volumetric Rate	\$/kWh	2.7862	2.7581
Distribution Volumetric Rate Adder(s)	\$/kWh	0.0324	0.0324
Low Voltage Volumetric Rate	\$/kWh	2.2589	0.7392
Distribution Volumetric Rate Rider(s)	\$/kWh	1.7574	1.7032
Retail Transmission Rate – Network Service Rate	\$/kWh	1.5031	1.5208
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0013	0.0013
Wholesale Market Service Rate	\$/kWh	0.0004	0.0004
Rural Rate Protection Charge	\$/kWh	0.0004	0.0004
Special Purpose Charge	\$/kWh	0.25	0.25
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

<b>Consumption</b>	<b>995,000 kWh</b>	<b>2,480 kW</b>	<b>Loss Factor 1.0382</b>
<b>RPP Tier One</b>	<b>750 kWh</b>	<b>Load Factor 55.0%</b>	

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

	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.0%	0.04%
Energy Second Tier (kWh)	1,032,260	0.0750	77,419.50	1,032,260	0.0750	77,419.50	0.00	0.0%	62.93%
<b>Sub-Total: Energy</b>			<b>77,468.25</b>			<b>77,468.25</b>	<b>0.00</b>	<b>0.0%</b>	<b>62.97%</b>
Service Charge	1	560.91	560.91	1	555.24	555.24	-5.67	(1.0%)	0.45%
Service Charge Rate Adder(s)	1	1.00	1.00	1	2.45	2.45	1.45	145.0%	0.00%
Service Charge Rate Rider(s)	1	26.83	26.83	1	0.00	0.00	-26.83	(100.0%)	0.00%
Distribution Volumetric Rate	2,480	2.7862	6,909.78	2,480	2.7581	6,840.09	-69.69	(1.0%)	5.56%
Distribution Volumetric Rate Adder(s)	2,480	0.0000	0.00	2,480	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	2,480	0.0324	80.35	2,480	0.0324	80.35	0.00	0.0%	0.67%
Distribution Volumetric Rate Rider(s)	2,480	2.2589	5,602.07	2,480	0.7392	1,833.22	-3,768.85	(67.3%)	1.49%
<b>Total: Distribution</b>			<b>13,180.94</b>			<b>9,311.35</b>	<b>-3,869.59</b>	<b>(29.4%)</b>	<b>7.57%</b>
Retail Transmission Rate – Network Service Rate	2,480	1.7574	4,358.35	2,480	1.7032	4,223.94	-134.41	(3.1%)	3.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,480	1.5031	3,727.69	2,480	1.5208	3,771.58	43.89	1.2%	3.07%
<b>Total: Retail Transmission</b>			<b>8,086.04</b>			<b>7,995.52</b>	<b>-90.52</b>	<b>(1.1%)</b>	<b>6.50%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>21,266.98</b>			<b>17,306.87</b>	<b>-3,960.11</b>	<b>(18.6%)</b>	<b>14.07%</b>
Wholesale Market Service Rate	1,033,010	0.0052	5,371.65	1,033,010	0.0052	5,371.65	0.00	0.0%	4.37%
Rural Rate Protection Charge	1,033,010	0.0013	1,342.91	1,033,010	0.0013	1,342.91	0.00	0.0%	1.05%
Special Purpose Charge	1,033,010	0.0004	413.20	1,033,010	0.0004	413.20	0.00	0.0%	0.34%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.00%
<b>Sub-Total: Regulatory</b>			<b>7,128.01</b>			<b>7,128.01</b>	<b>0.00</b>	<b>0.0%</b>	<b>5.79%</b>
Debt Retirement Charge (DRC)	995,000	0.00700	6,965.00	995,000	0.00700	6,965.00	0.00	0.0%	5.66%
<b>Total Bill before Taxes</b>			<b>112,828.24</b>			<b>108,868.13</b>	<b>-3,960.11</b>	<b>(3.5%)</b>	<b>88.50%</b>
HST			14,667.67			14,152.86	-514.81	(3.5%)	11.50%
<b>Total Bill</b>			<b>127,495.91</b>			<b>123,020.99</b>	<b>-4,474.92</b>	<b>(3.5%)</b>	<b>100.00%</b>

#### Rate Class Threshold Test

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

kWh	20,000	510,000	995,000	1,501,000	2,006,000
Loss Factor Adjusted kWh	20,765	529,483	1,033,010	1,558,339	2,062,630
kW	50	1,270	2,480	3,740	5,000
Load Factor	54.8%	55.0%	55.0%	55.0%	55.0%

#### Energy

Applied For Bill	\$ 1,549.88	\$ 39,703.73	\$ 77,468.25	\$ 116,867.93	\$ 156,189.76
Current Bill	\$ 1,549.88	\$ 39,703.73	\$ 77,468.25	\$ 116,867.93	\$ 156,189.76
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	50.3%	62.7%	63.0%	63.1%	63.1%

#### Distribution

Applied For Bill	\$ 734.18	\$ 5,040.41	\$ 9,311.35	\$ 13,758.77	\$ 18,206.19
Current Bill	\$ 842.51	\$ 7,037.16	\$ 13,180.94	\$ 19,578.60	\$ 25,976.24
\$ Impact	\$ -108.43	\$ -1,996.75	\$ -3,869.59	\$ -5,819.83	\$ -7,770.05
% Impact	-12.9%	-28.4%	-29.4%	-29.7%	-29.9%
% of Total Bill	23.8%	8.0%	7.6%	7.4%	7.4%

#### Retail Transmission

Applied For Bill	\$ 161.20	\$ 4,094.48	\$ 7,995.52	\$ 12,057.76	\$ 16,120.00
Current Bill	\$ 163.03	\$ 4,140.84	\$ 8,086.04	\$ 12,194.27	\$ 16,302.50
\$ Impact	\$ -1.83	\$ -46.36	\$ -1,090.52	\$ -1,136.51	\$ -182.50
% Impact	-1.1%	-1.1%	-1.1%	-1.1%	-1.1%
% of Total Bill	5.2%	6.5%	6.5%	6.5%	6.5%

#### Delivery (Distribution and Retail Transmission)

Applied For Bill	\$ 895.38	\$ 9,134.89	\$ 17,306.87	\$ 25,816.53	\$ 34,326.19
Current Bill	\$ 978.81	\$ 11,151.17	\$ 21,240.15	\$ 31,746.04	\$ 42,251.91
\$ Impact	\$ -83.43	\$ -2,016.28	\$ -3,933.28	\$ -5,929.51	\$ -7,925.72
% Impact	-9.3%	-23.1%	-22.7%	-23.3%	-23.1%
% of Total Bill	29.0%	14.4%	14.1%	13.9%	13.9%

#### Regulatory

Applied For Bill	\$ 143.53	\$ 3,653.68	\$ 7,128.01	\$ 10,752.79	\$ 14,370.40
Current Bill	\$ 143.53	\$ 3,653.68	\$ 7,128.01	\$ 10,752.79	\$ 14,370.40
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	4.7%	5.6%	5.6%	5.6%	5.6%

#### Debt Retirement Charge

Applied For Bill	\$ 140.00	\$ 3,570.00	\$ 6,965.00	\$ 10,507.00	\$ 14,042.00
Current Bill	\$ 140.00	\$ 3,570.00	\$ 6,965.00	\$ 10,507.00	\$ 14,042.00
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	4.5%	5.6%	5.7%	5.7%	5.7%

#### GST

Applied For Bill	\$ 354.74	\$ 7,288.10	\$ 14,152.86	\$ 21,312.75	\$ 28,460.69
Current Bill	\$ 365.59	\$ 7,550.22	\$ 14,664.18	\$ 22,083.59	\$ 29,491.03
\$ Impact	\$ -10.85	\$ -262.12	\$ -511.32	\$ -770.84	\$ -1,030.34
% Impact	-3.0%	-3.5%	-3.5%	-3.5%	-3.5%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

#### Total Bill

Applied For Bill	\$ 3,083.53	\$ 63,350.40	\$ 123,020.99	\$ 185,257.00	\$ 247,389.04
Current Bill	\$ 3,177.81	\$ 65,628.80	\$ 127,465.59	\$ 191,957.35	\$ 256,345.10
\$ Impact	\$ -94.28	\$ -2,278.40	\$ -4,444.60	\$ -6,700.35	\$ -8,956.06
% Impact	-3.0%	-3.5%	-3.5%	-3.5%	-3.5%

Rounding Current -30.320000



Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
 File Number: EB-2010-0069  
 Effective Date: Sunday, May 01, 2011  
 Version : 2.0

### Calculation of Bill Impacts

RTSR Loss Adjusted Metered kWh	Yes
RTSR Loss Adjusted Metered kW	No

### Unmetered Scattered Load

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	47.55	51.38
Service Charge Rate Adder(s)	\$	-	-
Service Charge Rate Rider(s)	\$	6.66	-
Distribution Volumetric Rate	\$/kWh	0.0242	0.0261
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0001	0.0001
Distribution Volumetric Rate Rider(s)	\$/kWh	0.0077	0.0010
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0044	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038	0.0038
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	2,000 kWh	0 kWh
RPP Tier One	750 kWh	Load Factor

Loss Factor 1.0382

### Unmetered Scattered Load

	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.0%	14.41%
Energy Second Tier (kWh)	1,327	0.0750	99.53	1,327	0.0750	99.53	0.00	0.0%	29.41%
<b>Sub-Total: Energy</b>			<b>148.28</b>			<b>148.28</b>	<b>0.00</b>	<b>0.0%</b>	<b>43.82%</b>
Service Charge	1	47.55	47.55	1	51.38	51.38	3.83	8.1%	15.18%
Service Charge Rate Adder(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	6.66	6.66	1	0.00	0.00	-6.66	(100.0)%	0.00%
Distribution Volumetric Rate	2,000	0.0242	48.40	2,000	0.0261	52.20	3.80	7.9%	15.43%
Distribution Volumetric Rate Adder(s)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.0%	0.06%
Distribution Volumetric Rate Rider(s)	2,000	0.0077	15.40	2,000	0.0010	2.00	-13.40	(87.0)%	0.59%
<b>Total: Distribution</b>			<b>118.21</b>			<b>105.78</b>	<b>-12.43</b>	<b>(10.5)%</b>	<b>31.26%</b>
Retail Transmission Rate – Network Service Rate	2,077	0.0044	9.14	2,077	0.0043	8.93	-0.21	(2.3)%	2.64%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,077	0.0038	7.89	2,077	0.0038	7.89	0.00	0.0%	2.33%
<b>Total: Retail Transmission</b>			<b>17.03</b>			<b>16.82</b>	<b>-0.21</b>	<b>(1.2)%</b>	<b>4.97%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>135.24</b>			<b>122.60</b>	<b>-12.64</b>	<b>(9.3)%</b>	<b>36.23%</b>
Wholesale Market Service Rate	2,077	0.0052	10.80	2,077	0.0052	10.80	0.00	0.0%	3.19%
Rural Rate Protection Charge	2,077	0.0013	2.70	2,077	0.0013	2.70	0.00	0.0%	0.80%
Special Purpose Charge	2,077	0.0004	0.83	2,077	0.0004	0.83	0.00	0.0%	0.25%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.07%
<b>Sub-Total: Regulatory</b>			<b>14.58</b>			<b>14.58</b>	<b>0.00</b>	<b>0.0%</b>	<b>4.31%</b>
Debt Retirement Charge (DRC)	2,000	0.00700	14.00	2,000	0.00700	14.00	0.00	0.0%	4.14%
<b>Total Bill before Taxes</b>			<b>312.10</b>			<b>299.46</b>	<b>-12.64</b>	<b>(4.0)%</b>	<b>88.50%</b>
HST	312.10	13%	40.57	299.46	13%	38.93	-1.64	(4.0)%	11.50%
<b>Total Bill</b>			<b>352.67</b>			<b>338.39</b>	<b>-14.28</b>	<b>(4.0)%</b>	<b>100.00%</b>

### Rate Class Threshold Test

#### Unmetered Scattered Load

	kWh	500	2,000	7,500	15,000	20,000
Loss Factor Adjusted kWh	kWh	520	2,077	7,787	15,574	20,765
Load Factor	kWh					

#### Energy

Applied For Bill	\$ 33.80	\$ 148.28	\$ 576.53	\$ 1,160.55	\$ 1,548.88
Current Bill	\$ 33.80	\$ 148.28	\$ 576.53	\$ 1,160.55	\$ 1,548.88
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	27.1%	43.8%	51.0%	52.4%	52.8%

#### Distribution

Applied For Bill	\$ 64.97	\$ 105.74	\$ 255.23	\$ 459.08	\$ 594.98
Current Bill	\$ 70.21	\$ 118.21	\$ 294.21	\$ 534.21	\$ 694.21
\$ Impact	\$ 5.24	\$ 12.47	\$ 38.98	\$ 75.13	\$ 99.23
% Impact	-7.5%	-10.5%	-13.2%	-14.1%	-14.3%
% of Total Bill	52.1%	31.3%	22.6%	20.7%	20.3%

#### Retail Transmission

Applied For Bill	\$ 4.22	\$ 16.82	\$ 63.07	\$ 126.15	\$ 168.20
Current Bill	\$ 4.27	\$ 17.03	\$ 63.85	\$ 127.71	\$ 170.28
\$ Impact	\$ 0.05	\$ 0.21	\$ 0.78	\$ 1.56	\$ 2.08
% Impact	-1.2%	-1.2%	-1.2%	-1.2%	-1.2%
% of Total Bill	3.4%	5.0%	5.6%	5.7%	5.7%

#### Delivery (Distribution and Retail Transmission)

Applied For Bill	\$ 69.19	\$ 122.56	\$ 318.30	\$ 585.23	\$ 763.18
Current Bill	\$ 74.48	\$ 135.24	\$ 358.06	\$ 661.92	\$ 864.49
\$ Impact	\$ 5.29	\$ 12.68	\$ 39.76	\$ 76.69	\$ 101.31
% Impact	-7.1%	-9.4%	-11.1%	-11.6%	-11.7%
% of Total Bill	55.5%	36.2%	28.1%	26.4%	26.0%

#### Regulatory

Applied For Bill	\$ 3.84	\$ 14.58	\$ 53.97	\$ 107.71	\$ 143.53
Current Bill	\$ 3.84	\$ 14.58	\$ 53.97	\$ 107.71	\$ 143.53
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	3.1%	4.3%	4.8%	4.9%	4.9%

#### Debt Retirement Charge

Applied For Bill	\$ 3.50	\$ 14.00	\$ 52.50	\$ 105.00	\$ 140.00
Current Bill	\$ 3.50	\$ 14.00	\$ 52.50	\$ 105.00	\$ 140.00
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	2.8%	4.1%	4.6%	4.7%	4.8%

#### GST

Applied For Bill	\$ 14.34	\$ 38.92	\$ 130.17	\$ 254.60	\$ 337.56
Current Bill	\$ 15.03	\$ 40.57	\$ 135.34	\$ 264.57	\$ 350.73
\$ Impact	\$ 0.69	\$ 1.65	\$ 5.17	\$ 9.97	\$ 13.17
% Impact	-4.6%	-4.1%	-3.8%	-3.8%	-3.8%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

#### Total Bill

Applied For Bill	\$ 124.67	\$ 338.34	\$ 1,131.47	\$ 2,213.09	\$ 2,934.15
Current Bill	\$ 130.65	\$ 352.67	\$ 1,176.40	\$ 2,299.75	\$ 3,048.63
\$ Impact	\$ 5.98	\$ 14.33	\$ 44.93	\$ 86.66	\$ 114.48
% Impact	-4.6%	-4.3%	-3.8%	-3.8%	-3.8%

Rounding Applied -0.050000



Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
 File Number: EB-2010-0069  
 Effective Date: Sunday, May 01, 2011  
 Version : 2.0

### Calculation of Bill Impacts

RTSR Loss Adjusted Metered kWh	Yes
RTSR Loss Adjusted Metered kW	No

#### Sentinel Lighting

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	4.00	4.28
Service Charge Rate Adder(s)	\$	-	-
Service Charge Rate Rider(s)	\$	0.48	-
Distribution Volumetric Rate	\$/kWh	6.5421	6.9890
Distribution Volumetric Rate Adder(s)	\$/kWh	0.0101	0.0101
Low Voltage Volumetric Rate	\$/kWh	0.0000	0.0000
Distribution Volumetric Rate Rider(s)	\$/kWh	10.4801	0.0091
Retail Transmission Rate - Network Service Rate	\$/kWh	1.3319	1.2908
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	1.1846	1.1986
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service - Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	180 kWh	0.50 kW	Loss Factor 1.0382
RPP Tier One	750 kWh	Load Factor 49.3%	

Sentinel Lighting	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	187	0.0650	12.16	187	0.0650	12.16	0.00	0.0%	44.87%
Energy Second Tier (kWh)	0	0.0750	0.00	0	0.0750	0.00	0.00	0.0%	0.00%
<b>Sub-Total: Energy</b>			<b>12.16</b>			<b>12.16</b>	<b>0.00</b>	<b>0.0%</b>	<b>44.87%</b>
Service Charge	1	4.00	4.00	1	4.28	4.28	0.28	7.0%	15.79%
Service Charge Rate Adder(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	0.48	0.48	1	0.00	0.00	-0.48	(100.0%)	0.00%
Distribution Volumetric Rate	0.50	6.5421	3.27	0.50	6.9890	3.49	0.22	6.7%	12.88%
Distribution Volumetric Rate Adder(s)	0.50	0.0000	0.00	0.50	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	0.50	0.0101	0.01	0.50	0.0101	0.01	0.00	0.0%	0.04%
Distribution Volumetric Rate Rider(s)	0.50	10.4801	5.24	0.50	0.0091	0.00	-5.24	(100.0%)	0.00%
<b>Total: Distribution</b>			<b>13.00</b>			<b>7.78</b>	<b>-5.22</b>	<b>(40.2%)</b>	<b>28.71%</b>
Retail Transmission Rate - Network Service Rate	0.50	1.3319	0.67	0.50	1.2908	0.65	-0.02	(3.0%)	2.40%
Retail Transmission Rate - Line and Transformation Connection Service Rate	0.50	1.1846	0.59	0.50	1.1986	0.60	0.01	1.3%	2.21%
<b>Total: Retail Transmission</b>			<b>1.26</b>			<b>1.25</b>	<b>-0.01</b>	<b>(0.8%)</b>	<b>4.61%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>14.26</b>			<b>9.03</b>	<b>-5.23</b>	<b>(36.7%)</b>	<b>33.32%</b>
Wholesale Market Service Rate	187	0.0052	0.97	187	0.0052	0.97	0.00	0.0%	3.58%
Rural Rate Protection Charge	187	0.0013	0.24	187	0.0013	0.24	0.00	0.0%	0.89%
Special Purpose Charge	187	0.0004	0.07	187	0.0004	0.07	0.00	0.0%	0.26%
Standard Supply Service - Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.92%
<b>Sub-Total: Regulatory</b>			<b>1.53</b>			<b>1.53</b>	<b>0.00</b>	<b>0.0%</b>	<b>5.65%</b>
Debt Retirement Charge (DRC)	180	0.00700	1.26	180	0.00700	1.26	0.00	0.0%	4.65%
<b>Total Bill before Taxes</b>			<b>29.21</b>			<b>23.98</b>	<b>-5.23</b>	<b>(17.9%)</b>	<b>88.49%</b>
HST							3.12	-68%	11.51%
<b>Total Bill</b>			<b>33.01</b>			<b>27.10</b>	<b>-5.91</b>	<b>(17.9%)</b>	<b>100.00%</b>

#### Rate Class Threshold Test

##### Sentinel Lighting

kWh	70	130	180	270	360
Loss Factor Adjusted kWh	73	135	187	251	374
kW	0.20	0.35	0.50	0.75	1.00
Load Factor	48.0%	50.9%	49.3%	49.3%	49.3%

##### Energy

Applied For Bill	\$ 4.74	\$ 8.77	\$ 12.15	\$ 18.26	\$ 24.31
Current Bill	\$ 4.74	\$ 8.77	\$ 12.15	\$ 18.26	\$ 24.31
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	34.5%	42.0%	44.9%	47.9%	49.5%

##### Distribution

Applied For Bill	\$ 5.68	\$ 6.73	\$ 7.78	\$ 9.54	\$ 11.29
Current Bill	\$ 7.89	\$ 10.44	\$ 13.00	\$ 17.26	\$ 21.51
\$ Impact	\$ -2.21	\$ -3.71	\$ -5.22	\$ -7.72	\$ -10.22
% Impact	-28.0%	-35.5%	-40.2%	-44.7%	-47.5%
% of Total Bill	41.3%	32.3%	28.7%	25.0%	23.0%

##### Retail Transmission

Applied For Bill	\$ 0.50	\$ 0.87	\$ 1.25	\$ 1.87	\$ 2.49
Current Bill	\$ 0.51 <td>\$ 0.88</td> <td>\$ 1.26</td> <td>\$ 1.89</td> <td>\$ 2.51</td>	\$ 0.88	\$ 1.26	\$ 1.89	\$ 2.51
\$ Impact	\$ -0.01	\$ -0.01	\$ -0.01	\$ -0.02	\$ -0.02
% Impact	-2.0%	-1.1%	-0.8%	-1.1%	-0.8%
% of Total Bill	3.6%	4.2%	4.6%	4.9%	5.1%

##### Delivery (Distribution and Retail Transmission)

Applied For Bill	\$ 6.18	\$ 7.60	\$ 9.03	\$ 11.41	\$ 13.78
Current Bill	\$ 7.92	\$ 10.84	\$ 13.78	\$ 18.67	\$ 23.54
\$ Impact	\$ -1.74	\$ -3.24	\$ -4.75	\$ -7.26	\$ -9.76
% Impact	-28.0%	-33.9%	-34.5%	-38.9%	-41.5%
% of Total Bill	45.0%	36.4%	33.3%	29.9%	28.1%

##### Regulatory

Applied For Bill	\$ 0.75	\$ 1.18	\$ 1.53	\$ 2.19	\$ 2.83
Current Bill	\$ 0.75	\$ 1.18	\$ 1.53	\$ 2.19	\$ 2.83
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	5.5%	5.7%	5.6%	5.7%	5.8%

##### Debt Retirement Charge

Applied For Bill	\$ 0.49	\$ 0.91	\$ 1.26	\$ 1.89	\$ 2.52
Current Bill	\$ 0.49	\$ 0.91	\$ 1.26	\$ 1.89	\$ 2.52
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	3.6%	4.4%	4.7%	5.0%	5.1%

##### GST

Applied For Bill	\$ 1.58	\$ 2.40	\$ 3.12	\$ 4.39	\$ 5.65
Current Bill	\$ 1.81	\$ 2.82	\$ 3.73	\$ 5.33	\$ 6.92
\$ Impact	\$ -0.23	\$ -0.42	\$ -0.61	\$ -0.94	\$ -1.27
% Impact	-12.7%	-14.9%	-16.4%	-17.6%	-18.4%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

##### Total Bill

Applied For Bill	\$ 13.74	\$ 20.86	\$ 27.09	\$ 38.14	\$ 49.09
Current Bill	\$ 15.71 <td>\$ 24.52</td> <td>\$ 32.45</td> <td>\$ 46.34</td> <td>\$ 60.12</td>	\$ 24.52	\$ 32.45	\$ 46.34	\$ 60.12
\$ Impact	\$ -1.97	\$ -3.66	\$ -5.36	\$ -8.20	\$ -11.03
% Impact	-12.8%	-14.9%	-16.5%	-17.7%	-18.3%

Rounding Applied -0.010000  
 Rounding Current -0.560000



Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
 File Number: EB-2010-0069  
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### Calculation of Bill Impacts

RTSR Loss Adjusted Metered kWh	Yes
RTSR Loss Adjusted Metered kW	No

#### Street Lighting

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	2.62	3.06
Service Charge Rate Adder(s)	\$	-	-
Service Charge Rate Rider(s)	\$	0.40	-
Distribution Volumetric Rate	\$/kWh	7.4860	8.7280
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0083	0.0083
Distribution Volumetric Rate Rider(s)	\$/kWh	4.1115	0.8742
Retail Transmission Rate – Network Service Rate	\$/kWh	1.2835	1.2439
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	1.1862	1.2002
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	37 kWh	0.10 kW	Loss Factor 1.0382
RPP Tier One	75 kWh	Load Factor 50.7%	

Street Lighting	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	39	0.0650	2.54	39	0.0650	2.54	0.00	0.0%	29.84%
Energy Second Tier (kWh)	0	0.0750	0.00	0	0.0750	0.00	0.00	0.0%	0.00%
<b>Sub-Total: Energy</b>			<b>2.54</b>			<b>2.54</b>	<b>0.00</b>	<b>0.0%</b>	<b>29.84%</b>
Service Charge	1	2.62	2.62	1	3.06	3.06	0.44	16.8%	35.71%
Service Charge Rate Adder(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	0.40	0.40	1	0.00	0.00	-0.40	(100.0%)	0.00%
Distribution Volumetric Rate	0.10	7.4860	0.75	0.10	8.7280	0.87	0.12	16.0%	10.15%
Distribution Volumetric Rate Adder(s)	0.10	0.0000	0.00	0.10	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	0.10	0.0083	0.00	0.10	0.0083	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate Rider(s)	0.10	4.1115	0.41	0.10	0.8742	0.09	-0.32	(78.0%)	1.05%
<b>Total: Distribution</b>			<b>4.18</b>			<b>4.02</b>	<b>-0.16</b>	<b>(3.8%)</b>	<b>46.91%</b>
Retail Transmission Rate – Network Service Rate	0.10	1.2835	0.13	0.10	1.2439	0.12	-0.01	(7.7%)	1.40%
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.10	1.1862	0.12	0.10	1.2002	0.12	0.00	0.0%	1.40%
<b>Total: Retail Transmission</b>			<b>0.25</b>			<b>0.24</b>	<b>-0.01</b>	<b>(4.0%)</b>	<b>2.80%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>4.43</b>			<b>4.26</b>	<b>-0.17</b>	<b>(3.8%)</b>	<b>49.71%</b>
Wholesale Market Service Rate	39	0.0052	0.20	39	0.0052	0.20	0.00	0.0%	2.33%
Rural Rate Protection Charge	39	0.0013	0.05	39	0.0013	0.05	0.00	0.0%	0.58%
Special Purpose Charge	39	0.0004	0.02	39	0.0004	0.02	0.00	0.0%	0.23%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	2.92%
<b>Sub-Total: Regulatory</b>			<b>0.52</b>			<b>0.52</b>	<b>0.00</b>	<b>0.0%</b>	<b>6.07%</b>
Debt Retirement Charge (DRC)	37	0.00700	0.26	37	0.00700	0.26	0.00	0.0%	3.53%
<b>Total Bill before Taxes</b>			<b>7.75</b>			<b>7.58</b>	<b>-0.17</b>	<b>(2.2%)</b>	<b>88.45%</b>
HST	7.75	13%	1.01	7.58	13%	0.99	-0.02	(2.0%)	11.55%
<b>Total Bill</b>			<b>8.76</b>			<b>8.57</b>	<b>-0.19</b>	<b>(2.2%)</b>	<b>100.00%</b>

#### Rate Class Threshold Test

##### Street Lighting

kWh	37	73	110	146	183
Loss Factor Adjusted kWh	39	76	115	152	190
kW	0.10	0.20	0.30	0.40	0.50
Load Factor	50.7%	50.0%	50.3%	50.0%	50.2%

##### Energy

Applied For Bill	\$ 2.53	\$ 4.94	\$ 7.47	\$ 9.88	\$ 12.35
Current Bill	\$ 2.53	\$ 4.94	\$ 7.47	\$ 9.88	\$ 12.35
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	29.6%	37.4%	41.4%	43.5%	45.0%

##### Distribution

Applied For Bill	\$ 4.02	\$ 4.98	\$ 5.94	\$ 6.90	\$ 7.86
Current Bill	\$ 4.18	\$ 5.34	\$ 6.50	\$ 7.65	\$ 8.82
\$ Impact	\$ 0.16	\$ 0.36	\$ 0.56	\$ 0.75	\$ 0.96
% Impact	-3.8%	-6.7%	-8.6%	-9.8%	-10.9%
% of Total Bill	47.0%	37.7%	32.9%	30.4%	28.6%

##### Retail Transmission

Applied For Bill	\$ 0.24	\$ 0.49	\$ 0.73	\$ 0.98	\$ 1.22
Current Bill	\$ 0.25	\$ 0.50	\$ 0.75	\$ 0.98	\$ 1.23
\$ Impact	\$ 0.01	\$ 0.01	\$ 0.02	\$ -	\$ 0.01
% Impact	-4.0%	-2.0%	-2.9%	0.0%	-0.9%
% of Total Bill	2.8%	3.7%	4.0%	4.3%	4.4%

##### Delivery (Distribution and Retail Transmission)

Applied For Bill	\$ 4.26	\$ 5.47	\$ 6.67	\$ 7.88	\$ 9.08
Current Bill	\$ 4.03	\$ 5.44	\$ 6.85	\$ 8.23	\$ 9.65
\$ Impact	\$ 0.23	\$ 0.03	\$ 0.18	\$ 0.35	\$ 0.57
% Impact	5.7%	0.9%	2.6%	4.3%	5.9%
% of Total Bill	49.8%	41.4%	37.0%	34.7%	33.1%

##### Regulatory

Applied For Bill	\$ 0.52	\$ 0.78	\$ 1.05	\$ 1.30	\$ 1.57
Current Bill	\$ 0.52	\$ 0.78	\$ 1.05	\$ 1.30	\$ 1.57
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	6.1%	5.9%	5.8%	5.7%	5.7%

##### Debt Retirement Charge

Applied For Bill	\$ 0.26	\$ 0.51	\$ 0.77	\$ 1.02	\$ 1.28
Current Bill	\$ 0.26	\$ 0.51	\$ 0.77	\$ 1.02	\$ 1.28
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	3.0%	3.9%	4.3%	4.9%	4.7%

##### GST

Applied For Bill	\$ 0.98	\$ 1.52	\$ 2.07	\$ 2.61	\$ 3.16
Current Bill	\$ 0.95	\$ 1.52	\$ 2.10	\$ 2.66	\$ 3.23
\$ Impact	\$ 0.03	\$ -	\$ 0.03	\$ 0.05	\$ 0.07
% Impact	3.2%	0.0%	-1.4%	-1.9%	-2.2%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

##### Total Bill

Applied For Bill	\$ 8.55	\$ 13.22	\$ 18.03	\$ 22.69	\$ 27.44
Current Bill	\$ 8.29	\$ 13.19	\$ 18.24	\$ 23.09	\$ 28.08
\$ Impact	\$ 0.26	\$ 0.03	\$ 0.21	\$ 0.40	\$ 0.64
% Impact	3.1%	0.2%	-1.2%	-1.7%	-2.3%

Rounding Applied -0.020000  
 Rounding Current -0.470000

# **2011 IRM3 Rate Generator CNPI – Port Colborne**



Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
File Number: EB-2010-0069  
Effective Date: Sunday, May 01, 2011  
Version : 2.0

## LDC Information

<b>Applicant Name</b>	Canadian Niagara Power Inc. - Port Colborne
<b>Application Type</b>	IRM3
<b>OEB Application Number</b>	EB-2010-0069
<b>Tariff Effective Date</b>	May 1, 2011
<b>LDC Licence Number</b>	ED-2002-0572
<b>Notice Publication Language</b>	English
<b>DRC Rate</b>	0.00700
<b>Customer Bills</b>	12 per year
<b>Distribution Demand Bill Determinant</b>	kW
<b>Stretch Factor Group</b>	II
<b>Stretch Factor Value</b>	0.4%
<b>Last COS Re-based Year</b>	2009
<b>Last COS OEB Application Number</b>	EB-2008-0224
<b>Special Purpose Charge - Current</b>	Yes
<b>Special Purpose Charge - Applied</b>	Yes
<b>Application 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

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## Current and Applied For Rate Classes

Rate Group	Rate Class	Fixed Metric	Vol Metric
RES	Residential	Customer - 12 per year	kWh
GSLT50	General Service Less Than 50 kW	Customer - 12 per year	kWh
GSGT50	General Service 50 to 4,999 kW	Customer - 12 per year	kW
USL	Unmetered Scattered Load	Customer -12 per year	kWh
SB	Standby Power - APPROVED ON AN INTERIM BASIS	NA	kW
Sen	Sentinel Lighting	Connection - 12 per year	kW
SL	Street Lighting	Connection - 12 per year	kW
NA	Rate Class 8	NA	NA
NA	Rate Class 9	NA	NA
NA	Rate Class 10	NA	NA
NA	Rate Class 11	NA	NA
NA	Rate Class 12	NA	NA
NA	Rate Class 13	NA	NA
NA	Rate Class 14	NA	NA
NA	Rate Class 15	NA	NA
NA	Rate Class 16	NA	NA
NA	Rate Class 17	NA	NA
NA	Rate Class 18	NA	NA
NA	Rate Class 19	NA	NA
NA	Rate Class 20	NA	NA
NA	Rate Class 21	NA	NA
NA	Rate Class 22	NA	NA
NA	Rate Class 23	NA	NA
NA	Rate Class 24	NA	NA
NA	Rate Class 25	NA	NA





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## Current Smart Meter Funding Adder

Rate Adder	Smart Meters
Tariff Sheet Disclosure	Yes
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	1.00

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	1.000000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	1.000000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	1.000000	Customer - 12 per year	0.000000	kW



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## Deferral Variance Account Disposition (2009)

Rate Rider

Def Var Disp 2009

Sunset Date

31/10/2010

DD/MM/YYYY

Metric Applied To

All Customers

Method of Application

Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer - 12 per year	0.000200	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer - 12 per year	0.000100	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer - 12 per year	0.022100	kW
Unmetered Scattered Load	Yes	0.000000	Customer -12 per year	0.000100	kWh
Standby Power - APPROVED ON AN INTERIM BASIS	No	0.000000	NA	0.000000	kW
Sentinel Lighting	Yes	0.000000	Connection - 12 per year	0.169100	kW
Street Lighting	Yes	0.000000	Connection - 12 per year	0.049100	kW



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## Deferral Variance Account Disposition (2010)

Rate Rider

Def Var Disp 2010

Sunset Date

30/04/2011

DD/MM/YYYY

Metric Applied To

All Customers

Method of Application

Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer - 12 per year	0.006400	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer - 12 per year	0.005000	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer - 12 per year	2.137100	kW
Unmetered Scattered Load	Yes	0.000000	Customer -12 per year	0.004400	kWh
Standby Power - APPROVED ON AN INTERIM BASIS	No	0.000000	NA	0.000000	kW
Sentinel Lighting	Yes	0.000000	Connection - 12 per year	9.729200	kW
Street Lighting	Yes	0.000000	Connection - 12 per year	2.979500	kW



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## Foregone Distribution Revenue Rate Rider

Rate Rider	Foregone Distribution Revenue
Sunset Date	30/04/2011 <small>DDMMYYYY</small>
Metric Applied To	All Customers
Method of Application	Both Distinct

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.730000	Customer - 12 per year	0.001000	kWh
General Service Less Than 50 kW	Yes	1.870000	Customer - 12 per year	0.000900	kWh
General Service 50 to 4,999 kW	Yes	26.830000	Customer - 12 per year	0.115500	kW
Unmetered Scattered Load	Yes	6.660000	Customer -12 per year	0.003400	kWh
Standby Power - APPROVED ON AN INTERIM BASIS	No	0.000000	NA	0.000000	kW
Sentinel Lighting	Yes	0.480000	Connection - 12 per year	0.780800	kW
Street Lighting	Yes	0.400000	Connection - 12 per year	1.153900	kW

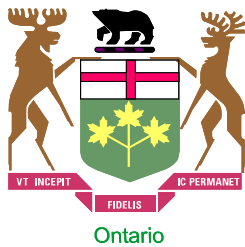


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## Tax Change Rate Rider

Rate Rider	Tax Change
Sunset Date	30/04/2011 <small>DD/MM/YYYY</small>
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer - 12 per year	-0.000200	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer - 12 per year	-0.000100	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer - 12 per year	-0.015800	kW
Unmetered Scattered Load	Yes	0.000000	Customer -12 per year	-0.000200	kWh
Standby Power - APPROVED ON AN INTERIM BASIS	No	0.000000	NA	0.000000	kW
Sentinel Lighting	Yes	0.000000	Connection - 12 per year	-0.199000	kW
Street Lighting	Yes	0.000000	Connection - 12 per year	-0.071000	kW



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
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## Current Low Voltage Volumetric Rate

Rate Description	Low Voltage Volumetric Rate
Select Tariff Sheet Disclosure	Yes - Shown on Tariff Sheet
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class		Current Low Voltage
Residential	kWh	0.000100
General Service Less Than 50 kW	kWh	0.000100
General Service 50 to 4,999 kW	kW	0.032400
Unmetered Scattered Load	kWh	0.000100
Standby Power - APPROVED ON AN INTERIM BASIS	kW	0.000000
Sentinel Lighting	kW	0.010100
Street Lighting	kW	0.008300



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## Current Rates and Charges

### Rate Class

#### Residential

Rate Description	Metric	Rate
Service Charge	\$	15.46
Service Charge Smart Meters	\$	1.00
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	0.73
Distribution Volumetric Rate	\$/kWh	0.0219
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kWh	0.0020
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kWh	0.0064
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kWh	0.0010
Distribution Volumetric Tax Charge – effective until Saturday, April 30, 2011	\$/kWh	0.0020
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0052
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### General Service Less Than 50 kW

Rate Description	Metric	Rate
Service Charge	\$	30.69
Service Charge Smart Meters	\$	1.00
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	1.87
Distribution Volumetric Rate	\$/kWh	0.0144
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kWh	0.0010
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kWh	0.0050
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kWh	0.0020
Distribution Volumetric Tax Charge – effective until Saturday, April 30, 2011	\$/kWh	0.0010
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0044
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

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

Rate Description	Metric	Rate
Service Charge	\$	569.91
Service Charge Smart Meters	\$	1.00
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	26.83
Distribution Volumetric Rate	\$/kW	2.7852
Low Voltage Volumetric Rate	\$/kWh	0.0024
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kWh	0.0210
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kWh	2.1370
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kWh	0.1155
Distribution Volumetric Tax Charge – effective until Saturday, April 30, 2011	\$/kWh	(0.0158)
Retail Transmission Rate – Network Service Rate	\$/kW	1.7574
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.0000
Wholesale Market Service Rate	\$/kW	0.0000
Rural Rate Protection Charge	\$/kW	1.5021
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### Unmetered Scattered Load

Rate Description	Metric	Rate
Service Charge (per Customer)	\$	47.55
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	6.66
Distribution Volumetric Rate	\$/kWh	0.0242
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kWh	0.0010
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kWh	0.0040
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kWh	0.0030
Distribution Volumetric Tax Charge – effective until Saturday, April 30, 2011	\$/kWh	(0.0020)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0044
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### Standby Power - APPROVED ON AN INTERIM BASIS

Rate Description	Metric	Rate
Service Charge (per Customer)	\$	0.00
Distribution Volumetric Rate	\$/kW	1.1599
Future Uses	\$/kW	0.0000
Retail Transmission Rate – Network Service Rate	\$/kW	0.0000
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.0000
Wholesale Market Service Rate	\$/kWh	0.0000
Rural Rate Protection Charge	\$/kWh	0.0000
Standard Supply Service – Administrative Charge (if applicable)	\$	0.00

### Rate Class

#### Sentinel Lighting

Rate Description	Metric	Rate
Service Charge (per connection)	\$	4.00
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	0.48
Distribution Volumetric Rate	\$/kW	6.5421
Low Voltage Volumetric Rate	\$/kWh	0.0101
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kWh	0.1691
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kWh	9.7250
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kWh	0.7680
Distribution Volumetric Tax Charge – effective until Saturday, April 30, 2011	\$/kWh	(0.1990)
Retail Transmission Rate – Network Service Rate	\$/kW	1.3319
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1846
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### Street Lighting

Rate Description	Metric	Rate
Service Charge (per connection)	\$	2.62
Service Charge Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$	0.40
Distribution Volumetric Rate	\$/kW	7.4860
Low Voltage Volumetric Rate	\$/kWh	0.0083
Distribution Volumetric Def Var Disp 2009 – effective until Sunday, October 31, 2010	\$/kWh	0.0401
Distribution Volumetric Def Var Disp 2010 – effective until Saturday, April 30, 2011	\$/kWh	2.9790
Distribution Volumetric Foregone Distribution Revenue – effective until Saturday, April 30, 2011	\$/kWh	1.1530
Distribution Volumetric Tax Charge – effective until Saturday, April 30, 2011	\$/kWh	(0.0710)
Retail Transmission Rate – Network Service Rate	\$/kW	1.2835
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1852
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



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## Base Distribution Rates

### Service Charge

Class	Metric	Current Rates	Current Base Rates
Residential	Customer - 12 per year	15.460000	15.460000
General Service Less Than 50 kW	Customer - 12 per year	30.690000	30.690000
General Service 50 to 4,999 kW	Customer - 12 per year	560.910000	560.910000
Unmetered Scattered Load	Customer -12 per year	47.550000	47.550000
Standby Power - APPROVED ON AN INTERIM BASIS	NA	0.000000	0.000000
Sentinel Lighting	Connection - 12 per year	4.000000	4.000000
Street Lighting	Connection - 12 per year	2.620000	2.620000

### Distribution Volumetric Rate

Class	Metric	Current Rates	Current Base Rates
Residential	kWh	0.021900	0.021900
General Service Less Than 50 kW	kWh	0.014400	0.014400
General Service 50 to 4,999 kW	kW	2.786200	2.786200
Unmetered Scattered Load	kWh	0.024200	0.024200
Standby Power - APPROVED ON AN INTERIM BASIS	kW	1.159900	1.159900
Sentinel Lighting	kW	6.542100	6.542100
Street Lighting	kW	7.486000	7.486000





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## Revenue Cost Ratio Adjustment

Rate Rebalancing Adjustment

Revenue Cost Ratio

Metric Applied To

All Customers

Method of Application

Both Distinct\$

### Monthly Service Charge

Class	Metric	Base Rate	\$ Adjustment	Adj To Base
Residential	Customer - 12 per year	15.460000	0.000000	0.000000
General Service Less Than 50 kW	Customer - 12 per year	30.690000	0.000000	0.000000
General Service 50 to 4,999 kW	Customer - 12 per year	560.910000	- 6.670000	- 6.670000
Unmetered Scattered Load	Customer -12 per year	47.550000	3.740000	3.740000
Standby Power - APPROVED ON AN INTERIM BASIS	NA	0.000000	0.000000	0.000000
Sentinel Lighting	Connection - 12 per year	4.000000	0.270000	0.270000
Street Lighting	Connection - 12 per year	2.620000	0.430000	0.430000

### Volumetric Distribution Charge

Class	Metric	Base Rate	\$ Adjustment	Adj To Base
Residential	kWh	0.021900	0.000000	0.000000
General Service Less Than 50 kW	kWh	0.014400	0.000000	0.000000
General Service 50 to 4,999 kW	kW	2.786200	- 0.033100	- 0.033100
Unmetered Scattered Load	kWh	0.024200	0.001900	0.001900
Standby Power - APPROVED ON AN INTERIM BASIS	kW	1.159900	0.000000	0.000000
Sentinel Lighting	kW	6.542100	0.434300	0.434300
Street Lighting	kW	7.486000	1.226300	1.226300



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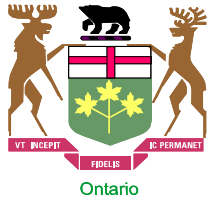
## Rate Rebalanced Base Distribution Rates

### Monthly Service Charge

Class	Metric	Base Rate	Revenue Cost Ratio	Rate ReBal Base
Residential	Customer - 12 per year	15.460000	0.000000	15.460000
General Service Less Than 50 kW	Customer - 12 per year	30.690000	0.000000	30.690000
General Service 50 to 4,999 kW	Customer - 12 per year	560.910000	-6.670000	554.240000
Unmetered Scattered Load	Customer -12 per year	47.550000	3.740000	51.290000
Standby Power - APPROVED ON AN INTERIM BASIS	NA	0.000000	0.000000	0.000000
Sentinel Lighting	Connection - 12 per year	4.000000	0.270000	4.270000
Street Lighting	Connection - 12 per year	2.620000	0.430000	3.050000

### Volumetric Distribution Charge

Class	Metric	Base Rate	Revenue Cost Ratio	Rate ReBal Base
Residential	kWh	0.021900	0.000000	0.021900
General Service Less Than 50 kW	kWh	0.014400	0.000000	0.014400
General Service 50 to 4,999 kW	kWh	2.786200	-0.033100	2.753100
Unmetered Scattered Load	kWh	0.024200	0.001900	0.026100
Standby Power - APPROVED ON AN INTERIM BASIS	kW	1.159900	0.000000	1.159900
Sentinel Lighting	kW	6.542100	0.434300	6.976400
Street Lighting	kW	7.486000	1.226300	8.712300



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## GDP-IPI Price Cap Adjustment Worksheet

### Price Cap Index

Price Escalator (GDP-IPI)	1.30%
Less Productivity Factor	-0.72%
Less Stretch Factor	-0.40%

### Price Cap Index

**0.18%**



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## GDP-IPI Price Cap Adjustment to Rates

Price Cap Adjustment	Price Cap Adjustment		
Metric Applied To	All Customers		
Method of Application	Both Uniform%		
Uniform Service Charge Percent	0.180%	Uniform Volumetric Charge Percent	0.180% kWh 0.180% kW

### Monthly Service Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	Customer - 12 per year	15.460000	Yes	0.180%	0.027828
General Service Less Than 50 kW	Customer - 12 per year	30.690000	Yes	0.180%	0.055242
General Service 50 to 4,999 kW	Customer - 12 per year	554.240000	Yes	0.180%	0.997632
Unmetered Scattered Load	Customer -12 per year	51.290000	Yes	0.180%	0.092322
Standby Power - APPROVED ON AN INTERIM BASIS	NA	0.000000	Yes	0.180%	0.000000
Sentinel Lighting	Connection - 12 per year	4.270000	Yes	0.180%	0.007686
Street Lighting	Connection - 12 per year	3.050000	Yes	0.180%	0.005490

### Volumetric Distribution Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	kWh	0.021900	Yes	0.180%	0.000039
General Service Less Than 50 kW	kWh	0.014400	Yes	0.180%	0.000026
General Service 50 to 4,999 kW	kW	2.753100	Yes	0.180%	0.004956
Unmetered Scattered Load	kWh	0.026100	Yes	0.180%	0.000047
Standby Power - APPROVED ON AN INTERIM BASIS	kW	1.159900	Yes	0.180%	0.002088
Sentinel Lighting	kW	6.976400	Yes	0.180%	0.012558
Street Lighting	kW	8.712300	Yes	0.180%	0.015682



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## After Price Cap Base Distribution Rates General

### Monthly Service Charge

Class	Metric	Base Rate	Price Cap Adjustment	After Price Cape Base
Residential	Customer - 12 per year	15.460000	0.027828	15.487828
General Service Less Than 50 kW	Customer - 12 per year	30.690000	0.055242	30.745242
General Service 50 to 4,999 kW	Customer - 12 per year	554.240000	0.997632	555.237632
Unmetered Scattered Load	Customer - 12 per year	51.290000	0.092322	51.382322
Standby Power - APPROVED ON AN INTERIM BASIS	NA	0.000000	0.000000	0.000000
Sentinel Lighting	Connection - 12 per year	4.270000	0.007686	4.277686
Street Lighting	Connection - 12 per year	3.050000	0.005490	3.055490

### Volumetric Distribution Charge

Class	Metric	Base Rate	Price Cap Adjustment	After Price Cape Base
Residential	kWh	0.021900	0.000039	0.021939
General Service Less Than 50 kW	kWh	0.014400	0.000026	0.014426
General Service 50 to 4,999 kW	kWh	2.753100	0.004956	2.758056
Unmetered Scattered Load	kWh	0.026100	0.000047	0.026147
Standby Power - APPROVED ON AN INTERIM BASIS	kW	1.159900	0.002088	1.161988
Sentinel Lighting	kWh	6.976400	0.012558	6.988958
Street Lighting	kWh	8.712300	0.015682	8.727982



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## Rationalization of Rates

Post Price Cap Adjustment

Rationalization of Rates

Metric Applied To

All Customers

Uniform Percentage Rate

Both Distinct\$

### Monthly Service Charge

Class	Metric	Base Rate	To This Class	\$ Adjustment	Adj To Base
Residential	Customer - 12 per year	15.487828	Yes	0.000000	0.000000
General Service Less Than 50 kW	Customer - 12 per year	30.745242	Yes	0.000000	0.000000
General Service 50 to 4,999 kW	Customer - 12 per year	555.237632	Yes	0.000000	0.000000
Unmetered Scattered Load	Customer -12 per year	51.382322	Yes	0.000000	0.000000
Standby Power - APPROVED ON AN INTERIM BASIS	NA	0.000000	Yes	0.000000	0.000000
Sentinel Lighting	Connection - 12 per year	4.277686	Yes	0.000000	0.000000
Street Lighting	Connection - 12 per year	3.055490	Yes	0.000000	0.000000

### Volumetric Distribution Charge

Class	Metric	Base Rate	To This Class	\$ Adjustment	Adj To Base
Residential	kWh	0.021939	Yes	0.000000	0.000000
General Service Less Than 50 kW	kWh	0.014426	Yes	0.000000	0.000000
General Service 50 to 4,999 kW	kWh	2.758056	Yes	0.000000	0.000000
Unmetered Scattered Load	kWh	0.026147	Yes	0.000000	0.000000
Standby Power - APPROVED ON AN INTERIM BASIS	kW	1.161988	Yes	0.000000	0.000000
Sentinel Lighting	kW	6.988958	Yes	0.000000	0.000000
Street Lighting	kW	8.727982	Yes	0.000000	0.000000



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## Post Price Cap Base Distribution Rates General

### Monthly Service Charge

Class	Metric	Base Rate	Rationalization of Rates	Post Price Cape Base
Residential	Customer - 12 per year	15.487828	0.000000	15.487828
General Service Less Than 50 kW	Customer - 12 per year	30.745242	0.000000	30.745242
General Service 50 to 4,999 kW	Customer - 12 per year	555.237632	0.000000	555.237632
Unmetered Scattered Load	Customer -12 per year	51.382322	0.000000	51.382322
Standby Power - APPROVED ON AN INTERIM BASIS	NA	0.000000	0.000000	0.000000
Sentinel Lighting	Connection - 12 per year	4.277686	0.000000	4.277686
Street Lighting	Connection - 12 per year	3.055490	0.000000	3.055490

### Volumetric Distribution Charge

Class	Metric	Base Rate	Rationalization of Rates	Post Price Cape Base
Residential	kWh	0.021939	0.000000	0.021939
General Service Less Than 50 kW	kWh	0.014426	0.000000	0.014426
General Service 50 to 4,999 kW	kW	2.758056	0.000000	2.758056
Unmetered Scattered Load	kWh	0.026147	0.000000	0.026147
Standby Power - APPROVED ON AN INTERIM BASIS	kW	1.161988	0.000000	1.161988
Sentinel Lighting	kW	6.988958	0.000000	6.988958
Street Lighting	kW	8.727982	0.000000	8.727982



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## Applied For Smart Meter Funding Adder

Rate Adder	Smart Meters
Tariff Sheet Disclosure	Yes
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	2.45

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	2.450000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	2.450000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	2.450000	Customer - 12 per year	0.000000	kW





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## Deferral Variance Account Disposition (2011)

Rate Rider

Def Var Disp 2011

Sunset Date

April 30, 2012  
DDMMYYYY

Metric Applied To

All Customers

Method of Application

Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer - 12 per year	0.001700	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer - 12 per year	0.001630	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer - 12 per year	0.769200	kW
Unmetered Scattered Load	Yes	0.000000	Customer -12 per year	0.001280	kWh
Standby Power - APPROVED ON AN INTERIM BASIS	No	0.000000	NA	0.000000	kW
Sentinel Lighting	Yes	0.000000	Connection - 12 per year	0.416810	kW
Street Lighting	Yes	0.000000	Connection - 12 per year	1.032650	kW

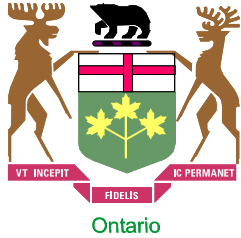


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## Tax Change Rate Rider

Rate Rider	Tax Change
Sunset Date	April 30, 2012 <small>DD/MM/YYYY</small>
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer - 12 per year	-0.000300	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer - 12 per year	-0.000200	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer - 12 per year	-0.030000	kW
Unmetered Scattered Load	Yes	0.000000	Customer -12 per year	-0.000300	kWh
Standby Power - APPROVED ON AN INTERIM BASIS	No	0.000000	NA	0.000000	kW
Sentinel Lighting	Yes	0.000000	Connection - 12 per year	-0.407700	kW
Street Lighting	Yes	0.000000	Connection - 12 per year	-0.158500	kW



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## Applied For Low Voltage Volumetric Rate

Rate Description	Low Voltage Volumetric Rate
Select Tariff Sheet Disclosure	Shown on Tariff Sheet
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class		Applied for Low Voltage
Residential	kWh	0.000100
General Service Less Than 50 kW	kWh	0.000100
General Service 50 to 4,999 kW	kW	0.032400
Unmetered Scattered Load	kWh	0.000100
Standby Power - APPROVED ON AN INTERIM BASIS	kW	0.000000
Sentinel Lighting	kW	0.010100
Street Lighting	kW	0.008300



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## Applied For RTSR - Network

Method of Application

Distinct Dollar

Rate Class	Applied to Class	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
<b>Residential</b>	Yes					
Rate Description						
Retail Transmission Rate – Network Service Rate		\$/kWh	0.005200	0.000%	-0.000160	0.005040
<b>General Service Less Than 50 kW</b>	Yes					
Rate Description						
Retail Transmission Rate – Network Service Rate		\$/kWh	0.004400	0.000%	-0.000136	0.004264
<b>General Service 50 to 4,999 kW</b>	Yes					
Rate Description						
Retail Transmission Rate – Network Service Rate		\$/kW	1.757400	0.000%	-0.054166	1.703234
<b>Unmetered Scattered Load</b>	Yes					
Rate Description						
Retail Transmission Rate – Network Service Rate		\$/kWh	0.004400	0.000%	-0.000136	0.004264
<b>Standby Power - APPROVED ON AN INTERIM BASIS</b>	No					
Rate Description						
<b>Sentinel Lighting</b>	Yes					
Rate Description						
Retail Transmission Rate – Network Service Rate		\$/kW	1.331900	0.000%	-0.041051	1.290849
<b>Street Lighting</b>	Yes					
Rate Description						
Retail Transmission Rate – Network Service Rate		\$/kW	1.283500	0.000%	-0.039559	1.243941



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## Applied For RTSR - Connection

Method of Application Distinct Dollar

Rate Class	Applied to Class	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
<b>Residential</b>	<span style="background-color: #ffff00;">Yes</span>					
Rate Description						
Retail Transmission Rate – Line and Transformation Connection Service Rate		\$/kWh	0.004200	0.000%	0.000049	0.004249

Rate Class	Applied to Class	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
<b>General Service Less Than 50 kW</b>	<span style="background-color: #ffff00;">Yes</span>					
Rate Description						
Retail Transmission Rate – Line and Transformation Connection Service Rate		\$/kWh	0.003800	0.000%	0.000045	0.003845

Rate Class	Applied to Class	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
<b>General Service 50 to 4,999 kW</b>	<span style="background-color: #ffff00;">Yes</span>					
Rate Description						
Retail Transmission Rate – Line and Transformation Connection Service Rate		\$/kW	1.503100	0.000%	0.017715	1.520815

Rate Class	Applied to Class	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
<b>Unmetered Scattered Load</b>	<span style="background-color: #ffff00;">Yes</span>					
Rate Description						
Retail Transmission Rate – Line and Transformation Connection Service Rate		\$/kWh	0.003800	0.000%	0.000045	0.003845

Rate Class	Applied to Class	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
<b>Standby Power - APPROVED ON AN INTERIM BASIS</b>	<span style="background-color: #ffff00;">No</span>					
Rate Description						

Rate Class	Applied to Class	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
<b>Sentinel Lighting</b>	<span style="background-color: #ffff00;">Yes</span>					
Rate Description						
Retail Transmission Rate – Line and Transformation Connection Service Rate		\$/kW	1.184600	0.000%	0.013961	1.198561

Rate Class	Applied to Class	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
<b>Street Lighting</b>	<span style="background-color: #ffff00;">Yes</span>					
Rate Description						
Retail Transmission Rate – Line and Transformation Connection Service Rate		\$/kW	1.186200	0.000%	0.013980	1.200180



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## microFIT Generator

**Rate Class**

**microFIT Generator**

**Rate Description**  
Service Charge

<b>Fixed Metric</b>	<b>Rate</b>
\$	5.25



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## Applied For Monthly Rates and Charges

Rate Class		
Residential		
Rate Description	Metric	Rate
Service Charge	\$	15.49
Service Charge Smart Meters	\$	2.45
Distribution Volumetric Rate	\$/kWh	0.0219
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kWh	0.00170
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kWh	(0.00030)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0050
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class		
General Service Less Than 50 kW		
Rate Description	Metric	Rate
Service Charge	\$	30.75
Service Charge Smart Meters	\$	2.45
Distribution Volumetric Rate	\$/kWh	0.0144
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kWh	0.00163
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kWh	(0.00020)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

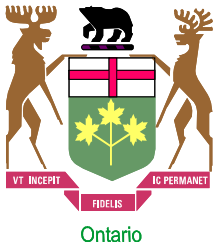
Rate Class		
General Service 50 to 4,999 kW		
Rate Description	Metric	Rate
Service Charge	\$	555.24
Service Charge Smart Meters	\$	2.45
Distribution Volumetric Rate	\$/kW	2.7581
Low Voltage Volumetric Rate	\$/kW	0.0324
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kW	0.76920
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kW	(0.03000)
Retail Transmission Rate – Network Service Rate	\$/kW	1.7032
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.5208
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class		
Unmetered Scattered Load		
Rate Description	Metric	Rate
Service Charge (per Customer)	\$	51.38
Distribution Volumetric Rate	\$/kWh	0.0261
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kWh	0.00128
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kWh	(0.00030)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class		
Standby Power - APPROVED ON AN INTERIM BASIS		
Rate Description	Metric	Rate
Distribution Volumetric Rate	\$/kW	1.1620

Rate Class		
Sentinel Lighting		
Rate Description	Metric	Rate
Service Charge (per connection)	\$	4.28
Distribution Volumetric Rate	\$/kW	6.9890
Low Voltage Volumetric Rate	\$/kW	0.0101
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kW	0.41681
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kW	(0.40770)
Retail Transmission Rate – Network Service Rate	\$/kW	1.2908
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1986
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class		
Street Lighting		
Rate Description	Metric	Rate
Service Charge (per connection)	\$	3.06
Distribution Volumetric Rate	\$/kW	8.7280
Low Voltage Volumetric Rate	\$/kW	0.0083
Distribution Volumetric Def Var Disp 2011 – effective until Monday, April 30, 2012	\$/kW	1.03265
Distribution Volumetric Tax Change – effective until Monday, April 30, 2012	\$/kW	(0.15850)
Retail Transmission Rate – Network Service Rate	\$/kW	1.2439
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.2002
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



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## Current and Applied For Loss Factors

### LOSS FACTORS

### Current

Total Loss Factor - Secondary Metered Customer < 5,000 kW  
Total Loss Factor - Secondary Metered Customer > 5,000 kW  
Total Loss Factor - Primary Metered Customer < 5,000 kW  
Total Loss Factor - Primary Metered Customer > 5,000 kW

1.0382

1.0278





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## Summary of Changes To Service Charge and Distribution \

	Fixed (\$)	Volumetric \$/kWh
<b>Residential</b>		
Current Tariff Distribution Rates	15.46	0.0219
Current Base Distribution Rates	15.46	0.0219
Price Cap Adjustments		
Price Cap Adjustment	0.03	0.0000
<b>Total Price Cap Adjustments</b>	<b>0.03</b>	<b>0.0000</b>
Applied For Base Distribution Rates	15.49	0.0219
Applied For Tariff Distribution Rates	15.49	0.0219
	0.00	0.0000

	Fixed (\$)	Volumetric \$/kWh
<b>General Service Less Than 50 kW</b>		
Current Tariff Rates	30.69	0.0144
Current Base Distribution Rates	30.69	0.01
Price Cap Adjustments		
Price Cap Adjustment	0.06	0.0000
<b>Total Price Cap Adjustments</b>	<b>0.06</b>	<b>0.0000</b>
Applied For Base Distribution Rates	30.75	0.0144
Applied For Tariff Distribution Rates	30.75	0.0144
	0.00	0.0000

	Fixed (\$)	Volumetric \$/kW
<b>General Service 50 to 4,999 kW</b>		
Current Tariff Rates	560.91	2.7862
Current Base Distribution Rates	560.91	2.79
Rate Rebalancing Adjustments		
Revenue Cost Ratio	-6.67	-0.0331
<b>Total Rate Rebalancing Adjustments</b>	<b>-6.67</b>	<b>-0.0331</b>
Price Cap Adjustments		
Price Cap Adjustment	1.00	0.0050
<b>Total Price Cap Adjustments</b>	<b>1.00</b>	<b>0.0050</b>
Applied For Base Distribution Rates	555.24	2.7581
Applied For Tariff Distribution Rates	555.24	2.7581
	0.00	0.0000

	Fixed (\$)	Volumetric \$/kWh
<b>Unmetered Scattered Load</b>		
Current Tariff Rates	47.55	0.0242
Current Base Distribution Rates	47.55	0.02
Rate Rebalancing Adjustments		
Revenue Cost Ratio	3.74	0.0019
<b>Total Rate Rebalancing Adjustments</b>	<b>3.74</b>	<b>0.0019</b>
Price Cap Adjustments		
Price Cap Adjustment	0.09	0.0000
<b>Total Price Cap Adjustments</b>	<b>0.09</b>	<b>0.0000</b>
Applied For Base Distribution Rates	51.38	0.0261
Applied For Tariff Distribution Rates	51.38	0.0261
	0.00	0.0000

	Fixed (\$)	Volumetric \$/kW
<b>Standby Power - APPROVED ON AN INTERIM BASIS</b>		
Current Tariff Rates	0.00	1.1599
Current Base Distribution Rates	0.00	1.16
Price Cap Adjustments		
Price Cap Adjustment	0.00	0.0021
<b>Total Price Cap Adjustments</b>	<b>0.00</b>	<b>0.0021</b>
Applied For Base Distribution Rates	0.00	1.1620
Applied For Tariff Distribution Rates	0.00	1.1620
	0.00	0.0000

	Fixed (\$)	Volumetric \$/kW
<b>Sentinel Lighting</b>		
Current Tariff Rates	4.00	6.5421
Current Base Distribution Rates	4.00	6.54
Rate Rebalancing Adjustments		
Revenue Cost Ratio	0.27	0.4343
<b>Total Rate Rebalancing Adjustments</b>	<b>0.27</b>	<b>0.4343</b>
Price Cap Adjustments		
Price Cap Adjustment	0.01	0.0126
<b>Total Price Cap Adjustments</b>	<b>0.01</b>	<b>0.0126</b>
Applied For Base Distribution Rates	4.27	6.9764
Applied For Tariff Distribution Rates	4.28	6.9890
	0.00	0.0000

	Fixed (\$)	Volumetric \$/kW
<b>Street Lighting</b>		
Current Tariff Rates	2.62	7.4860
Current Base Distribution Rates	2.62	7.49
Rate Rebalancing Adjustments		
Revenue Cost Ratio	0.43	1.2263
<b>Total Rate Rebalancing Adjustments</b>	<b>0.43</b>	<b>1.2263</b>
Price Cap Adjustments		
Price Cap Adjustment	0.01	0.0157
<b>Total Price Cap Adjustments</b>	<b>0.01</b>	<b>0.0157</b>
Applied For Base Distribution Rates	3.06	8.7280
Applied For Tariff Distribution Rates	3.06	8.7280
	0.00	0.0000



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## Summary of Changes To Tariff Rate Adders

	Fixed	Volumetric
Residential	(\$)	\$/kWh
Current Tariff Rates Adders		
Smart Meters	1.00	0.0000
<b>Total Current Tariff Rates Adders</b>	<b>1.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Residential	(\$)	\$/kWh
Proposed Tariff Rates Adders		
Smart Meters	2.45	0.0000
<b>Total Proposed Tariff Rates Adders</b>	<b>2.45</b>	<b>0.0000</b>

	Fixed	Volumetric
General Service Less Than 50 kW	(\$)	\$/kWh
Current Tariff Rates Adders		
Smart Meters	1.00	0.0000
<b>Total Current Tariff Rates Adders</b>	<b>1.00</b>	<b>0.0000</b>

	Fixed	Volumetric
General Service Less Than 50 kW	(\$)	\$
Proposed Tariff Rates Adders		
Smart Meters	2.45	0.0000
<b>Total Proposed Tariff Rates Adders</b>	<b>2.45</b>	<b>0.0000</b>

	Fixed	Volumetric
General Service 50 to 4,999 kW	(\$)	\$
Current Tariff Rates Adders		
Smart Meters	1.00	0.0000
<b>Total Current Tariff Rates Adders</b>	<b>1.00</b>	<b>0.0000</b>

	Fixed	Volumetric
General Service 50 to 4,999 kW	(\$)	\$
Proposed Tariff Rates Adders		
Smart Meters	2.45	0.0000
<b>Total Proposed Tariff Rates Adders</b>	<b>2.45</b>	<b>0.0000</b>

	Fixed	Volumetric
Unmetered Scattered Load	(\$)	\$/kWh
Current Tariff Rates Adders		
<b>Total Current Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Unmetered Scattered Load	(\$)	0
Proposed Tariff Rates Adders		
<b>Total Proposed Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Standby Power - APPROVED ON AN INTERIM BASIS	(\$)	\$/kWh
Current Tariff Rates Adders		
<b>Total Current Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Standby Power - APPROVED ON AN INTERIM BASIS	(\$)	0
Proposed Tariff Rates Adders		
<b>Total Proposed Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Sentinel Lighting	(\$)	0
Current Tariff Rates Adders		
<b>Total Current Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Sentinel Lighting	(\$)	\$/kW
Proposed Tariff Rates Adders		
<b>Total Proposed Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Street Lighting	(\$)	\$/kW
Current Tariff Rates Adders		
<b>Total Current Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Street Lighting	(\$)	0
Proposed Tariff Rates Adders		
<b>Total Proposed Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>



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### Summary of Changes To Tariff Rate Riders

Residential	Fixed (\$)	Volumetric (\$/kWh)
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2009	0.00	0.0002
Def Var Disp 2010	0.00	0.0064
Foregone Distribution Revenue	6.73	0.0010
Tax Change	0.00	-0.0002
<b>Total Current Tariff Rates Riders</b>	<b>6.73</b>	<b>0.0074</b>

Residential	Fixed (\$)	Volumetric (\$/kWh)
<b>Proposed Tariff Rates Riders</b>		
Def Var Disp 2011	0.00	0.0017
Tax Change	0.00	-0.0003
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0014</b>

General Service Less Than 50 kW	Fixed (\$)	Volumetric (\$/kWh)
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2009	0.00	0.0001
Def Var Disp 2010	0.00	0.0050
Foregone Distribution Revenue	1.87	0.0002
Tax Change	0.00	-0.0001
<b>Total Current Tariff Rates Riders</b>	<b>1.87</b>	<b>0.0059</b>

General Service Less Than 50 kW	Fixed (\$)	Volumetric (\$/kWh)
<b>Proposed Tariff Rates Riders</b>		
Def Var Disp 2011	0.00	0.0016
Tax Change	0.00	-0.0002
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0014</b>

General Service 50 to 4,999 kW	Fixed (\$)	Volumetric (\$/kWh)
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2009	0.00	0.0221
Def Var Disp 2010	0.00	2.1371
Foregone Distribution Revenue	26.83	0.1155
Tax Change	0.00	-0.0156
<b>Total Current Tariff Rates Riders</b>	<b>26.83</b>	<b>2.2589</b>

General Service 50 to 4,999 kW	Fixed (\$)	Volumetric (\$/kWh)
<b>Proposed Tariff Rates Riders</b>		
Def Var Disp 2011	0.00	0.7692
Tax Change	0.00	-0.0300
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.7392</b>

Unmetered Scattered Load	Fixed (\$)	Volumetric (\$/kWh)
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2009	0.00	0.0001
Def Var Disp 2010	0.00	0.0044
Foregone Distribution Revenue	6.66	0.0034
Tax Change	0.00	-0.0002
<b>Total Current Tariff Rates Riders</b>	<b>6.66</b>	<b>0.0077</b>

Unmetered Scattered Load	Fixed (\$)	Volumetric (\$/kWh)
<b>Proposed Tariff Rates Riders</b>		
Def Var Disp 2011	0.00	0.0013
Tax Change	0.00	-0.0003
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0010</b>

Standby Power - APPROVED ON AN INTERIM BASIS	Fixed (\$)	Volumetric (\$/kWh)
<b>Current Tariff Rates Riders</b>		
<b>Total Current Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0000</b>

Standby Power - APPROVED ON AN INTERIM BASIS	Fixed (\$)	Volumetric (\$/kWh)
<b>Proposed Tariff Rates Riders</b>		
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0000</b>

Sentinel Lighting	Fixed (\$)	Volumetric (\$/kWh)
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2009	0.00	0.1691
Def Var Disp 2010	0.00	8.7292
Foregone Distribution Revenue	0.48	0.7806
Tax Change	0.00	-0.1890
<b>Total Current Tariff Rates Riders</b>	<b>0.48</b>	<b>10.4801</b>

Sentinel Lighting	Fixed (\$)	Volumetric (\$/kWh)
<b>Proposed Tariff Rates Riders</b>		
Def Var Disp 2011	0.00	0.4168
Tax Change	0.00	-0.4077
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0091</b>

Street Lighting	Fixed (\$)	Volumetric (\$/kWh)
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2009	0.00	0.0491
Def Var Disp 2010	0.00	2.9795
Foregone Distribution Revenue	0.40	1.1539
Tax Change	0.00	-0.0710
<b>Total Current Tariff Rates Riders</b>	<b>0.40</b>	<b>4.1115</b>

Street Lighting	Fixed (\$)	Volumetric (\$/kWh)
<b>Proposed Tariff Rates Riders</b>		
Def Var Disp 2011	0.00	1.0327
Tax Change	0.00	-0.1585
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.8742</b>



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### Calculation of Bill Impacts

RTSR Loss Adjusted Metered kWh	Yes
RTSR Loss Adjusted Metered kW	No

#### General Service Less Than 50 kW

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	30.69	30.75
Service Charge Rate Adder(s)	\$	1.00	2.45
Service Charge Rate Rider(s)	\$	1.87	-
Distribution Volumetric Rate	\$/kWh	0.0144	0.0144
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0001	0.0001
Distribution Volumetric Rate Rider(s)	\$/kWh	0.0059	0.0014
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0044	0.0043
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0038	0.0038
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service - Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	2,000 kWh	0 kWh
RPP Tier One	750 kWh	Load Factor

Loss Factor 1.0382

#### General Service Less Than 50 kW

	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill	
Energy First Tier (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.0%	16.88%	
Energy Second Tier (kWh)	1,327	0.0750	99.53	1,327	0.0750	99.53	0.00	0.0%	34.05%	
<b>Sub-Total: Energy</b>			<b>148.28</b>			<b>148.28</b>	<b>0.00</b>	<b>0.0%</b>	<b>50.73%</b>	
Service Charge	1	30.69	30.69	1	30.75	30.75	0.06	-2.2%	10.52%	
Service Charge Rate Adder(s)	1	1.00	1.00	1	2.45	2.45	1.45	145.0%	0.84%	
Service Charge Rate Rider(s)	1	1.87	1.87	1	0.00	0.00	-1.87	(100.0%)	0.00%	
Distribution Volumetric Rate	2,000	0.0144	28.80	2,000	0.0144	28.80	0.00	0.0%	9.85%	
Distribution Volumetric Rate Adder(s)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.0%	0.00%	
Low Voltage Volumetric Rate	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.0%	0.07%	
Distribution Volumetric Rate Rider(s)	2,000	0.0059	11.80	2,000	0.0014	2.80	-9.00	(76.3%)	0.96%	
<b>Total: Distribution</b>			<b>74.36</b>			<b>65.00</b>	<b>-9.36</b>	<b>(12.6%)</b>	<b>22.24%</b>	
Retail Transmission Rate - Network Service Rate	2,077	0.0044	9.14	2,077	0.0043	8.93	-0.21	(2.3%)	3.05%	
Retail Transmission Rate - Line and Transformation Connection Service Rate	2,077	0.0038	7.89	2,077	0.0038	7.89	0.00	0.0%	2.70%	
<b>Total: Retail Transmission</b>			<b>17.03</b>			<b>16.82</b>	<b>-0.21</b>	<b>(1.2%)</b>	<b>5.75%</b>	
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>91.39</b>			<b>81.82</b>	<b>-9.57</b>	<b>(10.5%)</b>	<b>27.99%</b>	
Wholesale Market Service Rate	2,077	0.0052	10.80	2,077	0.0052	10.80	0.00	0.0%	3.69%	
Rural Rate Protection Charge	2,077	0.0013	2.70	2,077	0.0013	2.70	0.00	0.0%	0.92%	
Special Purpose Charge	2,077	0.0004	0.83	2,077	0.0004	0.83	0.00	0.0%	0.28%	
Standard Supply Service - Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.09%	
<b>Sub-Total: Regulatory</b>			<b>14.58</b>			<b>14.58</b>	<b>0.00</b>	<b>0.0%</b>	<b>4.99%</b>	
Debt Retirement Charge (DRC)	2,000	0.00700	14.00	2,000	0.00700	14.00	0.00	0.0%	4.79%	
<b>Total Bill before Taxes</b>			<b>268.25</b>			<b>258.68</b>	<b>-9.57</b>	<b>(3.6%)</b>	<b>88.50%</b>	
HST							33.63	-1.24	(3.6%)	11.50%
<b>Total Bill</b>			<b>303.12</b>			<b>292.31</b>	<b>-10.81</b>	<b>(3.6%)</b>	<b>100.00%</b>	

#### Rate Class Threshold Test

##### General Service Less Than 50 kW

	kWh	1,000	2,000	7,500	15,000	20,000
Loss Factor Adjusted kWh	kWh	1,039	2,077	7,787	15,574	20,765
Load Factor	kWh					

##### Energy

Applied For Bill	\$ 70.43	\$ 148.28	\$ 576.53	\$ 1,160.55	\$ 1,548.88
Current Bill	\$ 70.43	\$ 148.28	\$ 576.53	\$ 1,160.55	\$ 1,548.88
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	43.8%	50.7%	56.8%	58.0%	58.3%

##### Distribution

Applied For Bill	\$ 49.13	\$ 65.06	\$ 152.67	\$ 272.15	\$ 351.80
Current Bill	\$ 53.96	\$ 74.36	\$ 186.56	\$ 339.56	\$ 441.56
\$ Impact	\$ 4.83	\$ 9.30	\$ 33.89	\$ 67.41	\$ 89.76
% Impact	-9.0%	-12.5%	-18.2%	-19.9%	-20.3%
% of Total Bill	30.5%	22.3%	15.0%	13.6%	13.2%

##### Retail Transmission

Applied For Bill	\$ 8.42	\$ 16.82	\$ 63.07	\$ 126.15	\$ 168.20
Current Bill	\$ 8.52	\$ 17.03	\$ 63.85	\$ 127.71	\$ 170.28
\$ Impact	\$ 0.10	\$ 0.21	\$ 0.78	\$ 1.56	\$ 2.08
% Impact	-1.2%	-1.2%	-1.2%	-1.2%	-1.2%
% of Total Bill	5.2%	5.8%	6.2%	6.3%	6.3%

##### Delivery (Distribution and Retail Transmission)

Applied For Bill	\$ 57.55	\$ 81.88	\$ 215.74	\$ 398.30	\$ 520.00
Current Bill	\$ 62.48	\$ 91.39	\$ 250.41	\$ 467.27	\$ 611.84
\$ Impact	\$ 4.93	\$ 9.51	\$ 34.67	\$ 68.97	\$ 91.84
% Impact	-7.9%	-10.4%	-13.9%	-14.8%	-15.0%
% of Total Bill	35.8%	28.0%	21.2%	19.9%	19.6%

##### Regulatory

Applied For Bill	\$ 7.42	\$ 14.58	\$ 53.97	\$ 107.71	\$ 143.53
Current Bill	\$ 7.42	\$ 14.58	\$ 53.97	\$ 107.71	\$ 143.53
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	4.6%	5.0%	5.3%	5.4%	5.4%

##### Debt Retirement Charge

Applied For Bill	\$ 7.00	\$ 14.00	\$ 52.50	\$ 105.00	\$ 140.00
Current Bill	\$ 7.00	\$ 14.00	\$ 52.50	\$ 105.00	\$ 140.00
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	4.4%	4.8%	5.2%	5.2%	5.3%

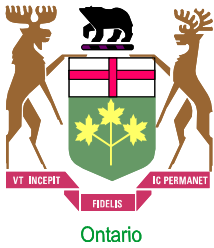
##### GST

Applied For Bill	\$ 18.51	\$ 33.64	\$ 116.84	\$ 230.30	\$ 305.94
Current Bill	\$ 19.15	\$ 34.87	\$ 121.34	\$ 239.27	\$ 317.88
\$ Impact	\$ 0.64	\$ 1.23	\$ 4.50	\$ 8.97	\$ 11.94
% Impact	-3.3%	-3.5%	-3.7%	-3.7%	-3.8%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

##### Total Bill

Applied For Bill	\$ 160.91	\$ 292.38	\$ 1,015.58	\$ 2,001.86	\$ 2,659.35
Current Bill	\$ 166.48	\$ 303.12	\$ 1,054.75	\$ 2,079.80	\$ 2,763.13
\$ Impact	\$ 5.57	\$ 10.74	\$ 39.17	\$ 77.94	\$ 103.78
% Impact	-3.3%	-3.5%	-3.7%	-3.7%	-3.8%

Rounding Applied 0.070000



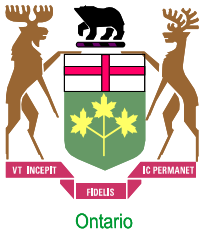
**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** EB-2010-0069  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 2.0

## Current and Applied For Allowances

### Allowances

	Metric	Current
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%





**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** EB-2010-0069  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 2.0

## Current and Applied For Retail Service Charges

	Metric	Current
<b>Retail Service Charges (if applicable)</b>		
Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity		
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)
<b>Service Transaction Requests (STR)</b>		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

**2011 IRM3 Revenue to Cost Ratio  
Adjustment Workform  
CNPI – Port Colborne**





Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
File Number: IRM3  
Effective Date: Sunday, May 01, 2011  
Version : 1.0

## LDC Information

<b>Applicant Name</b>	Canadian Niagara Power Inc. - Port Colborne
<b>OEB Application Number</b>	IRM3
<b>LDC Licence Number</b>	ED-2002-0572
<b>Applied for Effective Date</b>	May 1, 2011
<b>Last COS Re-based Year</b>	2009
<b>Last COS OEB Application Number</b>	EB-2008-0224



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Table of Contents

Sheet Name	Purpose of Sheet
<a href="#">A1.1 LDC Information</a>	Enter LDC Data
<a href="#">A2.1 Table of Contents</a>	Table of Contents
<a href="#">B1.1 Re-Based Bill Det &amp; Rates</a>	Set Up Rate Classes and enter Re-Based Billing Determinants and Current Tariff Rate:
<a href="#">B1.2 Removal of Rate Adders</a>	Removal of Rate Adders
<a href="#">B1.3 Re-Based Rev From Rates</a>	Calculated Current Revenue From Rates
<a href="#">C1.1 Decision Cost Revenue Adj</a>	Decision - Cost Revenue Adjustments by Rate Class
<a href="#">C1.2 Revenue Offsets Allocation</a>	Revenue Offsets Allocation
<a href="#">C1.3 Transformer Allowance</a>	Transformer Allowance
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<a href="#">C1.7 Proposed F.V Rev Alloc</a>	Proposed Fixed Variable Revenue Allocation
<a href="#">C1.8 Proposed F.V Rates</a>	Proposed Fixed and Variable Rates
<a href="#">C1.9 Adjust To Proposed Rates</a>	Adjustment required to Proposed Rates



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Rate Class Selection, Re-Based Billing Determinants & Current Tariff Rates

The purpose of this sheet is to set up the rate classes, enter the re-based billing determinants from your last cost of service application and enter the current service charge and volumetric distribution rates as found on your May 1, 2010 (or subsequent) Tariff of rates and charges.

Last COS Re-based Year				2009						
Last COS OEB Application Number				EB-2008-0224						
Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-based Billed			Current Tariff Service Charge D	Current Tariff Distribution Volumetric Rate kWh E	Current Tariff Distribution Volumetric Rate kW F	
				Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C				
RES	Residential	Customer	kWh	8,144	64,972,406		15.46	0.0219		
GSLT50	General Service Less Than 50 kW	Customer	kWh	933	25,831,151		30.69	0.0144		
GSGT50	General Service 50 to 4,999 kW	Customer	kW	81	99,392,250	377,959	560.91		2.7862	
USL	Unmetered Scattered Load	Connection	kWh	19	581,173		47.55	0.0242		
Sen	Sentinel Lighting	Connection	kW	37	12,725	38	4.00		6.5421	
SL	Street Lighting	Connection	kW	1,988	1,792,552	5,433	2.62		7.4860	
NA	Rate Class 7	NA	NA							
NA	Rate Class 8	NA	NA							
NA	Rate Class 9	NA	NA							
NA	Rate Class 10	NA	NA							
NA	Rate Class 11	NA	NA							
NA	Rate Class 12	NA	NA							
NA	Rate Class 13	NA	NA							
NA	Rate Class 14	NA	NA							
NA	Rate Class 15	NA	NA							
NA	Rate Class 16	NA	NA							
NA	Rate Class 17	NA	NA							
NA	Rate Class 18	NA	NA							
NA	Rate Class 19	NA	NA							
NA	Rate Class 20	NA	NA							
NA	Rate Class 21	NA	NA							
NA	Rate Class 22	NA	NA							
NA	Rate Class 23	NA	NA							
NA	Rate Class 24	NA	NA							
NA	Rate Class 25	NA	NA							



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Removal of Rate Adders

The purpose of this sheet is to remove from current tariff rates any rate adders included in rates. Most applicants will not require input on this sheet

**Last COS Re-based Year** 2009  
**Last COS OEB Application Number** EB-2008-0224

Rate Class	Current Tariff Service Charge A	Current Tariff Distribution Volumetric Rate kWh B	Current Tariff Distribution Volumetric Rate kW C	Service Charge Rate Adders D	Distribution Volumetric kWh Rate Adders E	Distribution Volumetric kW Rate Adders F
Residential	15.46	0.0219	0.0000	0.00	0.0000	0.0000
General Service Less Than 50 kW	30.69	0.0144	0.0000	0.00	0.0000	0.0000
General Service 50 to 4,999 kW	560.91	0.0000	2.7862	0.00	0.0000	0.0000
Unmetered Scattered Load	47.55	0.0242	0.0000	0.00	0.0000	0.0000
Sentinel Lighting	4.00	0.0000	6.5421	0.00	0.0000	0.0000
Street Lighting	2.62	0.0000	7.4860	0.00	0.0000	0.0000



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Calculated Current Revenue From Rates

The purpose of this sheet is to calculate current revenue from rate classes

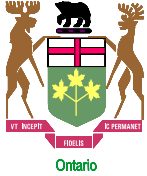
Last COS Re-based Year

2009

Last COS OEB Application Number

EB-2008-0224

Rate Class	Re-based Billed Customers or Connections			Re-based Billed kWh	Re-based Billed kW	Current Base Service Charge	Current Base Distribution Volumetric Rate kWh	Current Base Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates
	A	B	C									
Residential	8,144	64,972,406	0			15.46	0.0219	0.0000	1,510,875	1,422,896	0	2,933,771
General Service Less Than 50 kW	933	25,831,151	0			30.69	0.0144	0.0000	343,605	371,969	0	715,574
General Service 50 to 4,999 kW	81	99,392,250	377,959			560.91	0.0000	2.7862	545,205	0	1,053,069	1,598,274
Unmetered Scattered Load	19	581,173	0			47.55	0.0242	0.0000	10,841	14,064	0	24,906
Sentinel Lighting	37	12,725	38			4.00	0.0000	6.5421	1,776	0	249	2,025
Street Lighting	1,988	1,792,552	5,433			2.62	0.0000	7.4860	62,503	0	40,671	103,174
									2,474,805	1,808,929	1,093,989	5,377,723



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Decision - Cost Revenue Adjustments by Rate Class

The purpose of this sheet is to input the Revenue Cost Ratios as determined from column G on Sheet "C1.5 Proposed R C Ratio Adj" of the applicants 2010 IRM3 Supplemental Filing Module or 2010 COS Decision and Order.

Under Direction the applicant can choose "No Change" - no change in that rate class ratio, "Change" - Board ordered change from COS decision, or Rebalance to apply offset adjustments to Decision prescribed rate classes.

Rate Class	Direction	Current Year 2010	Transition Year 2011	Transition Year 2012	Transition Year 2013	Transition Year 2014	Transition Year 2015
Residential	No Change	94.70%	94.70%	94.70%	94.70%	94.70%	94.70%
General Service Less Than 50 kW	No Change	91.16%	91.16%	91.16%	91.16%	91.16%	91.16%
General Service 50 to 4,999 kW	Rebalance	127.01%	tbd	tbd	tbd	tbd	tbd
Unmetered Scattered Load	Change	74.97%	80.00%	0.00%	0.00%	0.00%	0.00%
Sentinel Lighting	Change	65.85%	70.00%	0.00%	0.00%	0.00%	0.00%
Street Lighting	Change	60.50%	70.00%	0.00%	0.00%	0.00%	0.00%



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Revenue Offsets Allocation

The purpose of this sheet is to allocate the Revenue Offsets (miscellaneous revenue) found in the last COS to the various rate classes in proportion to the allocation from the Cost Allocation informational filing.

Rate Class	Informational Filing		Allocated Revenue Offsets
	Revenue Offsets A	Percentage Split C= A / B	
Residential	292,622	64.71%	198,510
General Service Less Than 50 kW	71,649	15.84%	48,605
General Service 50 to 4,999 kW	74,876	16.56%	50,795
Unmetered Scattered Load	6,350	1.40%	4,308
Sentinel Lighting	159	0.04%	108
Street Lighting	6,571	1.45%	4,458
	<b>452,227</b>	<b>100.00%</b>	<b>306,783</b>
	<b>B</b>		<b>D</b>

Enter revenue offsets as found in Cell F47 on sheet "C1.2 Revenue Offsets Allocation" of the 2010 IRM3 Supplemental Filing Module or from 2010 COS RRWF



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
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**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Transformer Allowance

The purpose of this sheet is to remove the transformer allowance from volumetric rates. Under Transformer Allowance in Rates select "Yes" if included in that rate class or "No" if not included. Once selected apply the update button to reveal input cells in which you can input the number of kW's and the transformer rate for each rate class.

Rate Class	Transformer Allowance In Rate	Transformer Allowance A	Transformer Allowance kW's C	Transformer Allowance Rate E	Volumetric Distribution Rate F	Billed kW's G	Adjusted Volumetric Distribution Rate I = (F * (G - C) + (F - E) * C) / G
Residential	No						
General Service Less Than 50 kW	No						
General Service 50 to 4,999 kW	Yes	142,119	236,865	0.6000	2.7862	377,959	2.4102
Unmetered Scattered Load	No						
Sentinel Lighting	No						
Street Lighting	No						
		<b>B</b>	<b>D</b>			<b>H</b>	

-  
 Enter Transformer Allowance as found in Cell E47 on sheet "C1.3 Transformer Allowance" of the 2010 IRM3 Supplemental Filing Module or from 2010 COS RRWF





**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Revenue / Cost Ratio Revenue

The purpose of this sheet is to calculate revenue by rate class that includes Revenue Offsets and excludes Transformer Allowance prior to Revenue Cost Ratio Adjustment re-allocation.

Rate Class	Billed Customers or Connections				Base Distribution			Service Charge *12	Distribution Volumetric Rate kWh H = B * E	Distribution Volumetric Rate kW I = C * F	Revenue Requirement from Rates J = G + H + I	
	A	Billed kWh	Billed kW	C	Base Service Charge	D	Base Distribution Volumetric Rate kWh E					Base Distribution Volumetric Rate kW F
Residential	8,144	64,972,406	0	0	15.46	0.0219	0.0000	1,510,875	1,422,896	0	2,933,771	
General Service Less Than 50 kW	933	25,831,151	0	0	30.69	0.0144	0.0000	343,605	371,969	0	715,574	
General Service 50 to 4,999 kW	81	99,392,250	377,959	0	560.91	0.0000	2.4102	545,205	0	910,950	1,456,155	
Unmetered Scattered Load	19	581,173	0	0	47.55	0.0242	0.0000	10,841	14,064	0	24,906	
Sentinel Lighting	37	12,725	38	0	4.00	0.0000	6.5421	1,776	0	249	2,025	
Street Lighting	1,988	1,792,552	5,433	0	2.62	0.0000	7.4860	62,503	0	40,671	103,174	
								2,474,805	1,808,929	951,870	5,235,604	



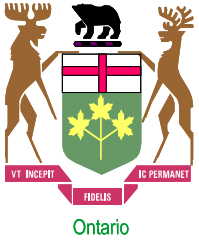
**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Proposed Revenue / Cost Ratio Adjustment

Rate Class	Adjusted Revenue A	Current Revenue		Proposed Revenue Cost		Final Adjusted Revenue E = C * D	Dollar Change F = E - C	Percentage Change G = (E / C) - 1
		Cost Ratio B	Re-Allocated Cost C = A / B	Ratio D				
Residential	\$ 3,132,280	0.95	\$ 3,307,582	0.95	\$ 3,132,280	\$ 0	0.0%	
General Service Less Than 50 kW	\$ 764,179	0.91	\$ 838,284	0.91	\$ 764,179	-\$ 0	0.0%	
General Service 50 to 4,999 kW	\$ 1,506,949	1.27	\$ 1,186,481	1.25	\$ 1,487,954	-\$ 18,995	-1.3%	
Unmetered Scattered Load	\$ 29,214	0.75	\$ 38,967	0.80	\$ 31,174	\$ 1,960	6.7%	
Sentinel Lighting	\$ 2,132	0.66	\$ 3,238	0.70	\$ 2,267	\$ 134	6.3%	
Street Lighting	\$ 107,632	0.61	\$ 177,904	0.70	\$ 124,533	\$ 16,901	15.7%	
	<u>\$ 5,542,387</u>		<u>\$ 5,552,456</u>		<u>\$ 5,542,387</u>	<u>\$ 0</u>	<u>0.0%</u>	

Out of Balance -

Final ? Yes



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Proposed Revenue from Revenue / Cost Ratio Adjustment

Rate Class	Adjusted	Allocated Re-	Revenue	Re-based	Revenue
	Revenue By	Based Revenue	Requirement	Transformer	Requirement
	Cost	Offsets	from Rates	Allowance	from Rates
	Ratio		Before		
	A	B	Transformer	D	E = C + D
			Allowance		
			C = A - B		
Residential	\$ 3,132,280	\$ 198,510	\$ 2,933,771	\$ -	\$ 2,933,771
General Service Less Than 50 kW	\$ 764,179	\$ 48,605	\$ 715,574	\$ -	\$ 715,574
General Service 50 to 4,999 kW	\$ 1,487,954	\$ 50,795	\$ 1,437,160	\$ 142,119	\$ 1,579,279
Unmetered Scattered Load	\$ 31,174	\$ 4,308	\$ 26,866	\$ -	\$ 26,866
Sentinel Lighting	\$ 2,267	\$ 108	\$ 2,159	\$ -	\$ 2,159
Street Lighting	\$ 124,533	\$ 4,458	\$ 120,075	\$ -	\$ 120,075
	<b>\$ 5,542,387</b>	<b>\$ 306,783</b>	<b>\$ 5,235,604</b>	<b>\$ 142,119</b>	<b>\$ 5,377,723</b>



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Proposed Fixed Variable Revenue Allocation

Rate Class	Revenue Requirement from Rates A	Service Charge % Revenue B	Distribution Volumetric Rate % Revenue kWh C	Distribution Volumetric Rate % Revenue kW D	Service Charge Revenue E = A * B	Distribution Volumetric Rate Revenue kWh F = A * C	Distribution Volumetric Rate Revenue kW G = A * D	Revenue Requirement from Rates by Rate Class H = E + F + G
Residential	\$ 2,933,771	51.5%	48.5%	0.0%	\$ 1,510,875	\$ 1,422,896	\$ -	\$ 2,933,771
General Service Less Than 50 kW	\$ 715,574	48.0%	52.0%	0.0%	\$ 343,605	\$ 371,969	\$ -	\$ 715,574
General Service 50 to 4,999 kW	\$ 1,579,279	34.1%	0.0%	65.9%	\$ 538,725	\$ -	\$ 1,040,554	\$ 1,579,279
Unmetered Scattered Load	\$ 26,866	43.5%	56.5%	0.0%	\$ 11,695	\$ 15,171	\$ -	\$ 26,866
Sentinel Lighting	\$ 2,159	87.7%	0.0%	12.3%	\$ 1,894	\$ -	\$ 265	\$ 2,159
Street Lighting	\$ 120,075	60.6%	0.0%	39.4%	\$ 72,741	\$ -	\$ 47,334	\$ 120,075
	<u>\$ 5,377,723</u>				<u>\$ 2,479,535</u>	<u>\$ 1,810,036</u>	<u>\$ 1,088,153</u>	<u>\$ 5,377,723</u>



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Proposed Fixed and Variable Rates

Rate Class	Service Charge Revenue A	Distribution Volumetric Rate Revenue kWh B	Distribution Volumetric Rate Revenue kW C	Re-based Billed Customers or Connections D	Re-based Billed kWh E	Re-based Billed kW F	Proposed Base Service Charge G = A / D / 12	Proposed Base Distribution Volumetric Rate kWh H = B / E	Proposed Base Distribution Volumetric Rate kW I = C / F
Residential	\$ 1,510,875	\$ 1,422,896	\$ -	8,144	64,972,406	0	15.46	0.0219	-
General Service Less Than 50 kW	\$ 343,605	\$ 371,969	\$ -	933	25,831,151	0	30.69	0.0144	-
General Service 50 to 4,999 kW	\$ 538,725	\$ -	\$ 1,040,554	81	99,392,250	377,959	554.24	-	2.7531
Unmetered Scattered Load	\$ 11,695	\$ 15,171	\$ -	19	581,173	0	51.29	0.0261	-
Sentinel Lighting	\$ 1,894	\$ -	\$ 265	37	12,725	38	4.27	-	6.9764
Street Lighting	\$ 72,741	\$ -	\$ 47,334	1,988	1,792,552	5,433	3.05	-	8.7123



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Adjustment required to Proposed Rates

Rate Class	Proposed Base			Current Base			Adjustment		
	Proposed Base Service Charge A	Distribution Volumetric Rate kWh B	Distribution Volumetric Rate kW C	Current Base Service Charge D	Distribution Volumetric Rate kWh E	Distribution Volumetric Rate kW F	Adjustment Required Base Service Charge G = A - D	Adjustment Required Base Distribution Volumetric Rate kWh H = B - E	Adjustment Required Base Distribution Volumetric Rate kW I = C - F
Residential	\$ 15.46	\$ 0.0219	\$ -	\$ 15.46	\$ 0.0219	\$ -	\$ -	\$ -	\$ -
General Service Less Than 50 kW	\$ 30.69	\$ 0.0144	\$ -	\$ 30.69	\$ 0.0144	\$ -	\$ -	\$ -	\$ -
General Service 50 to 4,999 kW	\$ 554.24	\$ -	\$ 2.7531	\$ 560.91	\$ -	\$ 2.7862	-\$ 6.67	\$ -	-\$ 0.0331
Unmetered Scattered Load	\$ 51.29	\$ 0.0261	\$ -	\$ 47.55	\$ 0.0242	\$ -	\$ 3.74	\$ 0.0019	\$ -
Sentinel Lighting	\$ 4.27	\$ -	\$ 6.9764	\$ 4.00	\$ -	\$ 6.5421	\$ 0.27	\$ -	\$ 0.4343
Street Lighting	\$ 3.05	\$ -	\$ 8.7123	\$ 2.62	\$ -	\$ 7.4860	\$ 0.43	\$ -	\$ 1.2263

Enter the above values onto Sheet  
 "D1.X Revenue Cost Ratio Adj"  
 of the 2011 OEB IRM3 Rate Generator.

# 2011 IRM3 Smart Meter Rate Calculation Model

## Sheet 1 Utility Information Sheet

---

**Name of LDC:** Canadian Niagara Power Inc - Port Colborne

**Licence Number:** ED-2002-0572

**Date of Submission:** October 29, 2010

### **Contact Information**

**Name:** Douglas Bradbury

**Title:** Director Regulatory Affairs

**Phone Number:** (905) - 994-3634

**E-Mail Address:** doug.bradbury@cnpower.com



## Sheet 2. Smart Meter Capital Cost and Operational Expense Data

### Smart Meter Unit Installation Plan:

*assume calendar year installation*

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Actual	2011 Forecasted	Later Forecasted	Total
Planned number of Residential smart meters to be installed	-	-	-	860	7,309	-	-	8,169
Planned number of General Service Less Than 50 kW smart meters	-	-	-	23	862	-	-	885
<b>Planned Meter Installation (Residential and Less Than 50 kW only)</b>	-	-	-	883	8,171	-	-	9,054
<b>Percentage of Completion</b>	0%	0%	0%	10%	100%	100%	100%	
Planned number of General Service Greater Than 50 kW smart meters	-	-	-	-	-	164	-	164
Planned / Actual Meter Installations	-	-	-	883	8,171	164	-	9,218

### Other Unit Installation Plan:

*assume calendar year installation*

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Actual	2011 Forecasted	Later Forecasted	Total
Planned number of Collectors to be installed	-	-	-	1	-	-	-	1
Planned number of Repeaters to be installed	-	-	-	-	-	-	-	-
Other : Please specify	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-

## Capital Costs

### 1.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

#### 1.1.1 Smart Meter

*may include new meters and modules, etc.*

#### 1.1.2 Installation Cost

*may include socket kits plus shipping, labour, benefits, vehicle, etc.*

#### 1.1.3a Workforce Automation Hardware

*may include fieldworker handhelds, barcode hardware, etc.*

#### 1.1.3b Workforce Automation Software

*may include fieldworker handhelds, barcode hardware, etc.*

**Total Advanced Metering Communication Device (AMCD)**

### Asset Type

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Actual	2011 Forecasted	Later Forecasted	Total
<b>Smart Meter</b>	\$ -	\$ -	\$ -	\$ 601,078	\$ 488,382	\$ -	\$ -	\$ 1,089,460
<b>Smart Meter</b>	\$ -	\$ -	\$ -	\$ 74,762	\$ 193,856	\$ -	\$ -	\$ 268,618
<b>Comp. Hard.</b>	\$ -	\$ -	\$ -	\$ 195	\$ 110	\$ -	\$ -	\$ 306
<b>Comp. Soft.</b>	\$ -	\$ -	\$ -	\$ 16,949	\$ 1,105	\$ -	\$ -	\$ 18,054
<b>Total</b>	\$ -	\$ -	\$ -	\$ 692,985	\$ 683,453	\$ -	\$ -	\$ 1,376,438

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

#### 1.2.1 Collectors

#### 1.2.2 Repeaters

*may include radio licence, etc.*

#### 1.2.3 Installation

*may include meter seals and rings, collector computer hardware, etc.*

**Total Advanced Metering Regional Collector (AMRC) (includes LAN)**

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Actual	2011 Forecasted	Later Forecasted	Total
<b>Smart Meter</b>	\$ -	\$ -	\$ -	\$ 145,335	\$ -	\$ -	\$ -	\$ 145,335
<b>Smart Meter</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Smart Meter</b>	\$ -	\$ -	\$ -	\$ 40,831	\$ 60,624	\$ -	\$ -	\$ 101,455
<b>Total</b>	\$ -	\$ -	\$ -	\$ 186,166	\$ 60,624	\$ -	\$ -	\$ 246,790

### 1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)

#### 1.3.1 Computer Hardware

#### 1.3.2 Computer Software

#### 1.3.3 Computer Software Licence & Installation (includes hardware & software)

*may include AS/400 disc space, backup & recovery computer, UPS, etc*

**Total Advanced Metering Control Computer (AMCC)**

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Actual	2011 Forecasted	Later Forecasted	Total
<b>Comp. Hard.</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Comp. Soft.</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Comp. Soft.</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

### 1.4 WIDE AREA NETWORK (WAN)

#### 1.4.1 Activation Fees

**Total Wide Area Network (WAN)**

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Actual	2011 Forecasted	Later Forecasted	Total
<b>Tools &amp; Equip</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

### 1.5 OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY

#### 1.5.1 Customer equipment (including repair of damaged equipment)

#### 1.5.2 AMI Interface to CIS

#### 1.5.3 Professional Fees

#### 1.5.4 Integration

#### 1.5.5 Program Management

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	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Actual	2011 Forecasted	Later Forecasted	Total
<b>Other Equip.</b>	\$ -	\$ -	\$ -	\$ -	\$ 4,164	\$ -	\$ -	\$ 4,164
<b>Comp. Soft.</b>	\$ -	\$ -	\$ -	\$ 1,248	\$ 221	\$ 239,969	\$ -	\$ 241,438
<b>Comp. Soft.</b>	\$ -	\$ -	\$ -	\$ 17,161	\$ 7,508	\$ -	\$ -	\$ 24,669
<b>Comp. Soft.</b>	\$ -	\$ -	\$ -	\$ 1,997	\$ 3,122	\$ 160,191	\$ -	\$ 165,310
<b>Comp. Soft.</b>	\$ -	\$ -	\$ -	\$ 4,265	\$ 221	\$ -	\$ -	\$ 4,486
<b>Total</b>	\$ -	\$ -	\$ -	\$ 15,671	\$ 15,016	\$ 160,191	\$ -	\$ 180,868

## Sheet 2. Smart Meter Capital Cost and Operational Expense Data

	Comp.	Soft.							
1.5.6 Other AMI Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Other AMI Capital Costs Related To Minimum Functionality	\$ -	\$ -	\$ -	\$ 21,701	\$ 15,136	\$ 400,160	\$ -	\$ -	\$ 436,997
<b>Total Capital Costs</b>	\$ -	\$ -	\$ -	\$ 900,852	\$ 759,213	\$ 400,160	\$ -	\$ -	\$ 2,060,226
<b>O M &amp; A</b>									
<b>2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)</b>									
	2006	2007	2008	2009	2010	2011	Later		Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted	Forecasted		
2.1.1 Maintenance <i>may include meter reverification costs, etc.</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,405	\$ -	\$ -	\$ 34,405
Total Incremental AMI Operation Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,405	\$ -	\$ -	\$ 34,405
<b>2.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)</b>									
2.2.1 Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Advanced Metering Regional Collector (AMRC) (includes LAN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>2.3 ADVANCED METERING CONTROL COMPUTER (AMCC)</b>									
2.3.1 Hardware Maintenance <i>may include server support, etc.</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.3.2 Software Maintenance <i>may include maintenance support, etc.</i>	\$ -	\$ -	\$ -	\$ 1,949	\$ 35,454	\$ 27,111	\$ -	\$ -	\$ 64,515
Total Advanced Metering Control Computer (AMCC)	\$ -	\$ -	\$ -	\$ 1,949	\$ 35,454	\$ 27,111	\$ -	\$ -	\$ 64,515
<b>2.4 WIDE AREA NETWORK (WAN)</b>									
2.4.1 WIDE AREA NETWORK (WAN) <i>may include serial to Ethernet hardware, etc.</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Incremental Other Operation Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>2.5 OTHER AMI OM&amp;A COSTS RELATED TO MINIMUM FUNCTIONALITY</b>									
2.5.1 Business Process Redesign	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.5.2 Customer Communication <i>may include project communication, etc.</i>	\$ -	\$ -	\$ -	\$ 10,413	\$ -	\$ -	\$ -	\$ -	\$ 10,413
2.5.3 Program Management	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.5.4 Change Management <i>may include training, etc.</i>	\$ -	\$ -	\$ -	\$ -	\$ 9,280	\$ 14,684	\$ -	\$ -	\$ 23,964
2.5.5 Administration Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.5.6 Other AMI Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2.5 Other AMI OM&A Costs Related To Minimum Functionality	\$ -	\$ -	\$ -	\$ 10,413	\$ 9,280	\$ 14,684	\$ -	\$ -	\$ 34,377
<b>Total O M &amp; A Costs</b>	\$ -	\$ -	\$ -	\$ 12,363	\$ 44,734	\$ 76,200	\$ -	\$ -	\$ 133,297

**Sheet 3. LDC Assumptions and Data**

**Assumptions:**

1. Planned meter installations occur evenly through the year.
2. Year assumed January to December
3. Amortization is straight line and has half year rule applied in first year

**2006 EDR Data**

Information	2007	2008	2009	2010	2011	Later
<b>Rate Base</b>						
Deemed Short Term Debt %		4%	4%	4%	4%	4%
Deemed Debt	50%	49%	53%	57%	56%	56%
Deemed Equity	50%	47%	43%	39%	40%	40%
Deemed Short Term Debt Rate%		4.47%	1.33%	1.33%	1.33%	1.33%
Weighted Debt Rate	7.09%	7.09%	6.88%	6.88%	6.88%	6.88%
Proposed ROE	9.00%	9.00%	8.57%	8.01%	8.01%	8.01%
Weighted Average Cost of Capital	8.05%	8.05%	7.68%	7.14%	7.10%	7.11%
<b>Working Capital Allowance %</b>	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
<b>2006 EDR Tax Rate</b>						
Corporate Income Tax Rate	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%

**Capital Data:**

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted	Forecasted	
Smart Meter	\$ -	\$ -	\$ -	\$ 862,006	\$ 742,862	\$ -	\$ -	\$ 1,604,869
Computer Hardware	\$ -	\$ -	\$ -	\$ 195	\$ 110	\$ -	\$ -	\$ 306
Computer Software	\$ -	\$ -	\$ -	\$ 38,651	\$ 12,077	\$ 400,160	\$ -	\$ 450,888
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ 4,164	\$ -	\$ -	\$ 4,164
<b>Total Capital Costs</b>	\$ -	\$ -	\$ -	\$ 900,852	\$ 755,050	\$ 400,160	\$ -	\$ 2,056,062
					4,163.70			4,163.70

**Operating Expense Data:**

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted	Forecasted	
2.1 Advanced Metering Communication Device (AMCD)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,405	\$ -	\$ 34,405
2.2 Advanced Metering Regional Collector (AMRC) (includes LAN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.3 Advanced Metering Control Computer (AMCC)	\$ -	\$ -	\$ -	\$ 1,949	\$ 35,454	\$ 27,111	\$ -	\$ 64,515
2.4 Wide Area Network (WAN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.5 Other AMI OM&A Costs Related To Minimum Functionality	\$ -	\$ -	\$ -	\$ 10,413	\$ 9,280	\$ 14,684	\$ -	\$ 34,377
<b>Total O M &amp; A Costs</b>	\$ -	\$ -	\$ -	\$ 12,363	\$ 44,734	\$ 76,200	\$ -	\$ 133,297

**Per Meter Cost Split:**

	Per Meter	Installed	Investment	% of Invest
Smart meter including installation	\$ 177.26	9,054	\$ 1,604,869	73%
Computer Hardware Costs	\$ 0.03	9,054	\$ 306	0%
Computer Software Costs	\$ 49.80	9,054	\$ 450,888	21%
Tools & Equipment	\$ -	9,054	\$ -	0%
Other Equipment	\$ 0.46	9,054	\$ 4,164	0%
Smart meter incremental operating expenses	\$ 14.72	9,054	\$ 133,297	6%
<b>Total Smart Meter Capital Costs per meter</b>	\$ 242.27		\$ 2,193,523	100%

**Depreciation Rates**

	2006	2007	2008	2009	2010	2011	Later
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted	Forecasted
Smart Meter (years)	15	15	15	15	15	15	15
Computer Hardware (years)	5	5	5	5	5	5	5
Computer Software (years)	10	10	10	10	10	10	10
Tools & Equipment (years)	10	10	10	10	10	10	10
Other Equipment (years)	10	10	10	10	10	10	10

**CCA Rates**

	2006	2007	2008	2009	2010	2011	Later
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted	Forecasted
CCA Class	47	47	47	47	47	47	47
Smart Meter	8%	8%	8%	8%	8%	8%	8%
CCA Class	45	50	50	50	50	50	50
Computer Equipment	45%	55%	55%	55%	55%	55%	55%
CCA Class	8	8	8	8	8	8	8
General Equipment	20%	20%	20%	20%	20%	20%	20%

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Sheet 4: Smart Meter Rev Req Calc

Smart Meter Revenue Requirement Calculation

Average Asset Values

Net Fixed Assets Smart Meters  
 Net Fixed Assets Computer Hardware  
 Net Fixed Assets Computer Software  
 Net Fixed Assets Tools & Equipment  
 Net Fixed Assets Other Equipment  
 Total Net Fixed Assets

Working Capital

Operation Expense  
 Working Capital %

Smart Meters Included in Rate Base

Return on Rate Base

Deemed Short Term Debt %  
 Deemed Long Term Debt %  
 Deemed Equity %

Deemed Short Term Debt Rate%

Weighted Debt Rate (i.e. LOC Assumptions and Data)  
 Proposed RCE (i.e. LOC Assumptions and Data)

Return on Rate Base

Operating Expenses

(Incremental Operating Expenses) (i.e. LOC Assumptions and Data)

Amortization Expenses

Amortization Expenses - Smart Meters  
 Amortization Expenses - Computer Hardware  
 Amortization Expenses - Computer Software  
 Amortization Expenses - Tools & Equipment  
 Amortization Expenses - Other Equipment

Total Amortization Expenses

Revenue Requirement Before PILs

Calculation of Taxable Income

(Incremental Operating Expenses)

Depreciation Expenses

Interest Expense

Taxable Income For PILs

Grossed up PILs (i.e. Rev)

Revenue Requirement Before PILs

Grossed up PILs (i.e. Rev)

Revenue Requirement for Smart Meters

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Actual	2011 Forecasted	Later Forecasted
Net Fixed Assets Smart Meters	\$ -	\$ -	\$ -	\$ 416,638.45	\$ 1,162,589.40	\$ 1,440,419.40	\$ -
Net Fixed Assets Computer Hardware	\$ -	\$ -	\$ -	\$ 67.92	\$ 205.89	\$ 205.39	\$ -
Net Fixed Assets Computer Software	\$ -	\$ -	\$ -	\$ 18,359.06	\$ 40,822.29	\$ 231,866.06	\$ -
Net Fixed Assets Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Fixed Assets Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ 1,877.86	\$ 3,747.86	\$ -
Total Net Fixed Assets	\$ -	\$ -	\$ -	\$ 435,083.43	\$ 1,206,295.40	\$ 1,676,229.18	\$ -
Operation Expense	\$ -	\$ -	\$ -	\$ 12,362.52	\$ 44,734.07	\$ 76,200.40	\$ -
Working Capital %	\$ -	\$ -	\$ -	\$ 1,854.38	\$ 6,710.11	\$ 11,430.06	\$ -
Smart Meters Included in Rate Base	\$ -	\$ -	\$ -	\$ 436,937.81	\$ 1,213,005.51	\$ 1,687,659.23	\$ -
Deemed Short Term Debt %	50.0%	50.0%	49.3%	53.3%	56.7%	56.0%	56.0%
Deemed Long Term Debt %	50.0%	50.0%	46.7%	42.7%	39.3%	40.0%	40.0%
Deemed Equity %	\$ -	\$ -	\$ -	\$ 418,660.30	\$ 1,164,685.20	\$ 1,620,152.97	\$ -
Deemed Short Term Debt Rate%	7.1%	7.1%	4.5%	1.3%	1.3%	1.3%	1.3%
Weighted Debt Rate (i.e. LOC Assumptions and Data)	9.0%	9.0%	7.1%	6.9%	6.9%	6.9%	6.9%
Proposed RCE (i.e. LOC Assumptions and Data)	\$ -	\$ -	8.6%	8.0%	8.0%	8.0%	8.0%
Return on Rate Base	\$ -	\$ -	\$ -	\$ 30,967.14	\$ 85,503.42	\$ 119,064.74	\$ 119,064.74
Operating Expenses	\$ -	\$ -	\$ -	\$ 12,362.52	\$ 44,734.07	\$ 76,200.40	\$ -
Amortization Expenses - Smart Meters	\$ -	\$ -	\$ -	\$ 28,733.55	\$ 82,229.17	\$ 106,991.25	\$ -
Amortization Expenses - Computer Hardware	\$ -	\$ -	\$ -	\$ 19.54	\$ 60.10	\$ 61.12	\$ -
Amortization Expenses - Computer Software	\$ -	\$ -	\$ -	\$ 1,932.83	\$ 4,468.93	\$ 25,080.79	\$ -
Amortization Expenses - Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Expenses - Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ 208.19	\$ 416.37	\$ -
Total Amortization Expenses	\$ -	\$ -	\$ -	\$ 30,685.62	\$ 86,956.39	\$ 132,549.53	\$ -
Revenue Requirement Before PILs	\$ -	\$ -	\$ -	\$ 74,015.28	\$ 217,193.80	\$ 327,844.66	\$ -
(Incremental Operating Expenses)	\$ -	\$ -	\$ -	\$ 12,362.52	\$ 44,734.07	\$ 76,200.40	\$ -
Depreciation Expenses	\$ -	\$ -	\$ -	\$ 30,685.62	\$ 86,956.39	\$ 132,549.53	\$ -
Interest Expense	\$ -	\$ -	\$ -	\$ 16,022.68	\$ 47,318.86	\$ 65,022.13	\$ -
Taxable Income For PILs	\$ -	\$ -	\$ -	\$ 14,944.46	\$ 38,184.86	\$ 54,072.02	\$ -
Grossed up PILs (i.e. Rev)	\$ -	\$ -	\$ -	\$ 2,095.33	\$ 2,652.56	\$ 54,445.91	\$ -
Revenue Requirement Before PILs	\$ -	\$ -	\$ -	\$ 74,015.28	\$ 217,193.80	\$ 327,844.66	\$ -
Grossed up PILs (i.e. Rev)	\$ -	\$ -	\$ -	\$ 2,095.33	\$ 2,652.56	\$ 54,445.91	\$ -
Revenue Requirement for Smart Meters	\$ -	\$ -	\$ -	\$ 71,919.94	\$ 219,846.43	\$ 273,398.85	\$ -

## Sheet 5. PILs

### PILs Calculation

	2006	2007	2008	2009	2010	2011	Later
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted	Forecasted
<b>INCOME TAX</b>							
Net Income	\$ -	\$ -	\$ -	\$ 14,944.45	\$ 38,184.56	\$ 54,072.60	\$ -
Amortization	\$ -	\$ -	\$ -	\$ 30,685.62	\$ 86,956.38	\$ 132,549.53	\$ -
CCA - Smart Meters	\$ -	\$ -	\$ -	-\$ 34,480.26	-\$ 95,916.59	-\$ 117,957.75	\$ -
CCA - Computers	\$ -	\$ -	\$ -	-\$ 19,379.06	-\$ 25,472.17	-\$ 206,197.63	\$ -
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ -	-\$ 416.37	-\$ 749.47	\$ -
Change in taxable income	\$ -	\$ -	\$ -	-\$ 8,229.24	\$ 3,335.82	-\$ 138,282.72	\$ -
Tax Rate (3. LDC Assumptions and Data)	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
Income Taxes Payable	\$ -	\$ -	\$ -	-\$ 2,715.65	\$ 1,034.10	-\$ 39,064.87	\$ -

#### ONTARIO CAPITAL TAX

Smart Meters	\$ -	\$ -	\$ -	\$ 833,272.91	\$ 1,493,906.02	\$ 1,386,914.77	\$ -
Computer Hardware	\$ -	\$ -	\$ -	\$ 175.83	\$ 235.95	\$ 174.84	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ 36,718.12	\$ 44,326.45	\$ 419,405.66	\$ -
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ 3,955.52	\$ 3,539.15	\$ -
Rate Base	\$ -	\$ -	\$ -	\$ 870,166.86	\$ 1,538,468.42	\$ 1,806,495.27	\$ -
Less: Exemption	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Deemed Taxable Capital	\$ -	\$ -	\$ -	\$ 870,166.86	\$ 1,538,468.42	\$ 1,806,495.27	\$ -
Ontario Capital Tax Rate	0.300%	0.225%	0.225%	0.225%	0.075%	0.000%	0.000%
Net Amount (Taxable Capital x Rate)	\$ -	\$ -	\$ -	\$ 1,957.88	\$ 1,153.85	\$ -	\$ -

#### Gross Up

	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable
Change in Income Taxes Payable	\$ -	\$ -	\$ -	-\$ 2,715.65	\$ 1,034.10	-\$ 39,064.87	\$ -
Change in OCT	\$ -	\$ -	\$ -	\$ 1,957.88	\$ 1,153.85	\$ -	\$ -
PIL's	\$ -	\$ -	\$ -	-\$ 757.77	\$ 2,187.95	-\$ 39,064.87	\$ -

	Gross Up 36.12%	Gross Up 36.12%	Gross Up 33.50%	Gross Up 33.00%	Gross Up 31.00%	Gross Up 28.25%	Gross Up 26.25%
	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs
Change in Income Taxes Payable	\$ -	\$ -	\$ -	-\$ 4,053.21	\$ 1,498.70	-\$ 54,445.81	\$ -
Change in OCT	\$ -	\$ -	\$ -	\$ 1,957.88	\$ 1,153.85	\$ -	\$ -
PIL's	\$ -	\$ -	\$ -	-\$ 2,095.33	\$ 2,652.55	-\$ 54,445.81	\$ -

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**Sheet 6. Avg Net Fixed Assets & UCC**

**Smart Meter Average Net Fixed Assets**

**Net Fixed Assets - Smart Meters**

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted
Opening Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ 862,006.45	\$ 1,604,868.74
Capital Investment (3. LDC Assumptions and Data)	\$ -	\$ -	\$ -	\$ 862,006.45	\$ 742,862.29	\$ -
Closing Capital Investment	\$ -	\$ -	\$ -	\$ 862,006.45	\$ 1,604,868.74	\$ 1,604,868.74
Opening Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ 28,733.55	\$ 110,962.72
Amortization (15 Years Straight Line)	\$ -	\$ -	\$ -	\$ 28,733.55	\$ 82,229.17	\$ 106,991.25
Closing Accumulated Amortization	\$ -	\$ -	\$ -	\$ 28,733.55	\$ 110,962.72	\$ 217,953.97
Opening Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ 833,272.91	\$ 1,493,906.02
Closing Net Fixed Assets	\$ -	\$ -	\$ -	\$ 833,272.91	\$ 1,493,906.02	\$ 1,386,914.77
Average Net Fixed Assets	\$ -	\$ -	\$ -	\$ 416,636.45	\$ 1,163,589.46	\$ 1,440,410.40

**Net Fixed Assets - Computer Hardware**

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted
Opening Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ 195.37	\$ 305.59
Capital Investment (3. LDC Assumptions and Data)	\$ -	\$ -	\$ -	\$ 195.37	\$ 110.21	\$ -
Closing Capital Investment	\$ -	\$ -	\$ -	\$ 195.37	\$ 305.59	\$ 305.59
Opening Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ 19.54	\$ 69.63
Amortization (5 Years Straight Line)	\$ -	\$ -	\$ -	\$ 19.54	\$ 50.10	\$ 61.12
Closing Accumulated Amortization	\$ -	\$ -	\$ -	\$ 19.54	\$ 69.63	\$ 130.75
Opening Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ 175.83	\$ 235.95
Closing Net Fixed Assets	\$ -	\$ -	\$ -	\$ 175.83	\$ 235.95	\$ 174.84
Average Net Fixed Assets	\$ -	\$ -	\$ -	\$ 87.92	\$ 205.89	\$ 205.39

**Net Fixed Assets - Computer Software**

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted
Opening Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ 38,650.66	\$ 50,727.91
Capital Investment (3. LDC Assumptions and Data)	\$ -	\$ -	\$ -	\$ 38,650.66	\$ 12,077.26	\$ 400,160.00
Closing Capital Investment	\$ -	\$ -	\$ -	\$ 38,650.66	\$ 50,727.91	\$ 450,887.91
Opening Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ 1,932.53	\$ 6,401.46
Amortization Year 1 (10 Years Straight Line)	\$ -	\$ -	\$ -	\$ 1,932.53	\$ 4,468.93	\$ 25,080.79
Closing Accumulated Amortization	\$ -	\$ -	\$ -	\$ 1,932.53	\$ 6,401.46	\$ 31,482.25
Opening Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ 36,718.12	\$ 44,326.45
Closing Net Fixed Assets	\$ -	\$ -	\$ -	\$ 36,718.12	\$ 44,326.45	\$ 419,405.66
Average Net Fixed Assets	\$ -	\$ -	\$ -	\$ 18,359.06	\$ 40,522.29	\$ 231,866.06

**Net Fixed Assets - Tools & Equipment**

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted
Opening Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Investment (3. LDC Assumptions and Data)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Opening Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Year 1 (10 Years Straight Line)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Opening Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

## Sheet 6. Avg Net Fixed Assets & UCC

Closing Net Fixed Assets	\$	-	\$	-	\$	-	\$	-	\$	-	
Average Net Fixed Assets	\$	-	\$	-	\$	-	\$	-	\$	-	
<b>Net Fixed Assets - Other Equipment</b>											
		2006		2007		2008		2009		2010	2011
		Audited Actual		Audited Actual		Audited Actual		Audited Actual		Actual	Forecasted
Opening Capital Investment	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 4,163.70
Capital Investment (3. LDC Assumptions and Data)	\$	-	\$	-	\$	-	\$	-	\$	4,163.70	\$ -
Closing Capital Investment	\$	-	\$	-	\$	-	\$	-	\$	4,163.70	\$ 4,163.70
Opening Accumulated Amortization	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 208.19
Amortization Year 1 (10 Years Straight Line)	\$	-	\$	-	\$	-	\$	-	\$	208.19	\$ 416.37
Closing Accumulated Amortization	\$	-	\$	-	\$	-	\$	-	\$	208.19	\$ 624.56
Opening Net Fixed Assets	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 3,955.52
Closing Net Fixed Assets	\$	-	\$	-	\$	-	\$	-	\$	3,955.52	\$ 3,539.15
Average Net Fixed Assets	\$	-	\$	-	\$	-	\$	-	\$	1,977.76	\$ 3,747.33

## Sheet 6. Avg Net Fixed Assets & UCC

### For PILs Calculation

#### UCC - Smart Meters

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ 827,526.20	\$ 1,474,471.90
Capital Additions	\$ -	\$ -	\$ -	\$ 862,006.45	\$ 742,862.29	\$ -
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 862,006.45	\$ 1,570,388.48	\$ 1,474,471.90
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ 431,003.23	\$ 371,431.14	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ 431,003.23	\$ 1,198,957.34	\$ 1,474,471.90
CCA Rate Class	47	47	47	47	47	47
CCA Rate	8%	8%	8%	8%	8%	8%
CCA	\$ -	\$ -	\$ -	\$ 34,480.26	\$ 95,916.59	\$ 117,957.75
Closing UCC	\$ -	\$ -	\$ -	\$ 827,526.20	\$ 1,474,471.90	\$ 1,356,514.14

#### UCC - Computer Equipment

(Sum of CCA Rate Class 12 and CCA Rate Class 50 shown below)

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ 19,466.97	\$ 6,182.27
Capital Additions Computer Hardware	\$ -	\$ -	\$ -	\$ 195.37	\$ 110.21	\$ -
Capital Additions Computer Software	\$ -	\$ -	\$ -	\$ 38,650.66	\$ 12,077.26	\$ 400,160.00
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 38,846.03	\$ 31,654.44	\$ 406,342.27
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ 19,423.02	\$ 6,093.74	\$ 200,080.00
Reduced UCC	\$ -	\$ -	\$ -	\$ 19,423.02	\$ 25,560.71	\$ 206,262.27
CCA Rate Class						
CCA Rate						
CCA	\$ -	\$ -	\$ -	\$ 19,379.06	\$ 25,472.17	\$ 206,197.63
Closing UCC	\$ -	\$ -	\$ -	\$ 19,466.97	\$ 6,182.27	\$ 200,144.64

#### UCC - General Equipment

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,747.33
Capital Additions Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ 4,163.70	\$ -
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ 4,163.70	\$ 3,747.33
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ 2,081.85	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ 2,081.85	\$ 3,747.33
CCA Rate Class	8	8	8	8	8	8
CCA Rate	20%	20%	20%	20%	20%	20%
CCA	\$ -	\$ -	\$ -	\$ -	\$ 416.37	\$ 749.47
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ 3,747.33	\$ 2,997.86



**Sheet 6. Avg Net Fixed Assets &UCC**

<b>Port Colborne</b>												
<b>UCC - Computer Equipment</b>	2006		2007		2008		2009		2010		2011	
	Audited	Actual	Audited	Actual	Audited	Actual	Audited	Actual	Actual	Forecasted		
Opening UCC	\$	-	\$	-	\$	-	\$	-	\$	141.64	\$	143.64
Capital Additions Computer Hardware	\$	-	\$	-	\$	-	\$	195.37	\$	110.21	\$	-
UCC Before Half Year Rule	\$	-	\$	-	\$	-	\$	195.37	\$	251.85	\$	143.64
Half Year Rule (1/2 Additions - Disposals)	\$	-	\$	-	\$	-	\$	97.69	\$	55.11	\$	-
Reduced UCC	\$	-	\$	-	\$	-	\$	97.69	\$	196.75	\$	143.64
CCA Rate Class		45		50		50		50		50		50
CCA Rate		45%		55%		55%		55%		55%		55%
CCA	\$	-	\$	-	\$	-	\$	53.73	\$	108.21	\$	79.00
Closing UCC	\$	-	\$	-	\$	-	\$	141.64	\$	143.64	\$	64.64
<b>UCC - Computer Equipment</b>												
<b>UCC - Computer Equipment</b>	2006		2007		2008		2009		2010		2011	
	Audited	Actual	Audited	Actual	Audited	Actual	Audited	Actual	Actual	Forecasted		
Opening UCC	\$	-	\$	-	\$	-	\$	-	\$	19,325.33	\$	6,038.63
Capital Additions Computer Software	\$	-	\$	-	\$	-	\$	38,650.66	\$	12,077.26	\$	400,160.00
UCC Before Half Year Rule	\$	-	\$	-	\$	-	\$	38,650.66	\$	31,402.59	\$	406,198.63
Half Year Rule (1/2 Additions - Disposals)	\$	-	\$	-	\$	-	\$	19,325.33	\$	6,038.63	\$	200,080.00
Reduced UCC	\$	-	\$	-	\$	-	\$	19,325.33	\$	25,363.96	\$	206,118.63
CCA Rate Class		45		12		12		12		12		12
CCA Rate								100%		100%		100%
CCA	\$	-	\$	-	\$	-	\$	19,325.33	\$	25,363.96	\$	206,118.63
Closing UCC	\$	-	\$	-	\$	-	\$	19,325.33	\$	6,038.63	\$	200,080.00

**Sheet 7. Smart Meter Funding Adder Collected**

Date	Opening	Fund Adder	Int. Rate	Interest	Closing
Jan-06	\$ -	\$ -	7.09%	\$ -	\$ -
Feb-06	\$ -	\$ -	7.09%	\$ -	\$ -
Mar-06	\$ -	\$ -	7.09%	\$ -	\$ -
Apr-06	\$ -	\$ -	4.14%	\$ -	\$ -
May-06	\$ -	\$ 1,239	4.14%	\$ -	\$ 1,239
Jun-06	\$ 1,239	\$ 3,687	4.14%	\$ 4	\$ 4,930
Jul-06	\$ 4,930	\$ 2,464	4.59%	\$ 19	\$ 7,413
Aug-06	\$ 7,413	\$ 2,463	4.59%	\$ 28	\$ 9,905
Sep-06	\$ 9,905	\$ 2,464	4.59%	\$ 38	\$ 12,407
Oct-06	\$ 12,407	\$ 2,465	4.59%	\$ 47	\$ 14,919
Nov-06	\$ 14,919	\$ 2,464	4.59%	\$ 57	\$ 17,440
Dec-06	\$ 17,440	\$ 2,464	4.59%	\$ 67	\$ 19,971
Jan-07	\$ 19,971	\$ 2,471	4.59%	\$ 76	\$ 22,518
Feb-07	\$ 22,518	\$ 2,469	4.59%	\$ 86	\$ 25,074
Mar-07	\$ 25,074	\$ 2,470	4.59%	\$ 96	\$ 27,639
Apr-07	\$ 27,639	\$ 2,471	4.59%	\$ 106	\$ 30,215
May-07	\$ 30,215	\$ 2,471	4.59%	\$ 116	\$ 32,802
Jun-07	\$ 32,802	\$ 2,471	4.59%	\$ 125	\$ 35,399
Jul-07	\$ 35,399	\$ 2,470	4.59%	\$ 135	\$ 38,004
Aug-07	\$ 38,004	\$ 2,471	4.59%	\$ 145	\$ 40,620
Sep-07	\$ 40,620	\$ 3,841	4.59%	\$ 155	\$ 44,617
Oct-07	\$ 44,617	\$ 1,897	5.14%	\$ 191	\$ 46,705
Nov-07	\$ 46,705	\$ 2,393	5.14%	\$ 200	\$ 49,297
Dec-07	\$ 49,297	\$ 2,492	5.14%	\$ 211	\$ 52,000
Jan-08	\$ 52,000	\$ 2,513	5.14%	\$ 223	\$ 54,736
Feb-08	\$ 54,736	\$ 2,355	5.14%	\$ 234	\$ 57,325
Mar-08	\$ 57,325	\$ 2,466	5.14%	\$ 246	\$ 60,036
Apr-08	\$ 60,036	\$ 2,455	4.08%	\$ 204	\$ 62,696
May-08	\$ 62,696	\$ 2,552	4.08%	\$ 213	\$ 65,460
Jun-08	\$ 65,460	\$ 2,425	4.08%	\$ 223	\$ 68,108
Jul-08	\$ 68,108	\$ 2,477	3.35%	\$ 190	\$ 70,775
Aug-08	\$ 70,775	\$ 2,572	3.35%	\$ 198	\$ 73,544
Sep-08	\$ 73,544	\$ 2,369	3.35%	\$ 205	\$ 76,119
Oct-08	\$ 76,119	\$ 2,536	3.35%	\$ 212	\$ 78,868
Nov-08	\$ 78,868	\$ 2,406	3.35%	\$ 220	\$ 81,494
Dec-08	\$ 81,494	\$ 2,535	3.35%	\$ 228	\$ 84,257
Jan-09	\$ 84,257	\$ 2,550	2.45%	\$ 172	\$ 86,979
Feb-09	\$ 86,979	\$ 2,212	2.45%	\$ 178	\$ 89,369
Mar-09	\$ 89,369	\$ 2,505	2.45%	\$ 182	\$ 92,057
Apr-09	\$ 92,057	\$ 2,466	1.00%	\$ 77	\$ 94,599
May-09	\$ 94,599	\$ 2,529	1.00%	\$ 79	\$ 97,207
Jun-09	\$ 97,207	\$ 2,480	1.00%	\$ 81	\$ 99,768
Jul-09	\$ 99,768	\$ 2,512	0.55%	\$ 46	\$ 102,326
Aug-09	\$ 102,326	\$ 2,523	0.55%	\$ 47	\$ 104,896
Sep-09	\$ 104,896	\$ 2,411	0.55%	\$ 48	\$ 107,355
Oct-09	\$ 107,355	\$ 2,511	0.55%	\$ 49	\$ 109,915
Nov-09	\$ 109,915	\$ 2,400	0.55%	\$ 50	\$ 112,366
Dec-09	\$ 112,366	\$ 3,109	0.55%	\$ 52	\$ 115,526
Jan-10	\$ 115,526	\$ 3,101	0.55%	\$ 53	\$ 118,679
Feb-10	\$ 118,679	\$ 2,752	0.55%	\$ 54	\$ 121,486
Mar-10	\$ 121,486	\$ 214	0.55%	\$ 56	\$ 121,756
Apr-10	\$ 121,756	\$ 2,422	0.55%	\$ 56	\$ 124,233
May-10	\$ 124,233	\$ 10,418	0.55%	\$ 57	\$ 134,708
Jun-10	\$ 134,708	\$ 7,978	0.55%	\$ 62	\$ 142,748
Jul-10	\$ 142,748	\$ 9,354	0.89%	\$ 106	\$ 152,208
Aug-10	\$ 152,208	\$ 9,233	0.89%	\$ 113	\$ 161,554
Sep-10	\$ 161,554	\$ 8,977	0.89%	\$ 120	\$ 170,652
Oct-10	\$ 170,652	\$ 9,112	0.89%	\$ 127	\$ 179,890
Nov-10	\$ 179,890	\$ 9,112	0.89%	\$ 133	\$ 189,136
Dec-10	\$ 189,136	\$ 9,112	0.89%	\$ 140	\$ 198,388
Jan-11	\$ 198,388	\$ 9,112	0.89%	\$ 147	\$ 207,647
Feb-11	\$ 207,647	\$ 9,112	0.89%	\$ 154	\$ 216,913
Mar-11	\$ 216,913	\$ 9,112	0.89%	\$ 161	\$ 226,186
Apr-11	\$ 226,186	\$ 9,112	0.89%	\$ 168	\$ 235,466
May-11	\$ 235,466	\$ -		\$ -	\$ 235,466
Jun-11	\$ 235,466	\$ -		\$ -	\$ 235,466
Jul-11	\$ 235,466	\$ -		\$ -	\$ 235,466
Aug-11	\$ 235,466	\$ -		\$ -	\$ 235,466
Sep-11	\$ 235,466	\$ -		\$ -	\$ 235,466
Oct-11	\$ 235,466	\$ -		\$ -	\$ 235,466
Nov-11	\$ 235,466	\$ -		\$ -	\$ 235,466
Dec-11	\$ 235,466	\$ -		\$ -	\$ 235,466
Jan-12	\$ 235,466	\$ -		\$ -	\$ 235,466
Feb-12	\$ 235,466	\$ -		\$ -	\$ 235,466
Mar-12	\$ 235,466	\$ -		\$ -	\$ 235,466
Apr-12	\$ 235,466	\$ -		\$ -	\$ 235,466
May-12	\$ 235,466	\$ -		\$ -	\$ 235,466
		<u>\$ 228,199</u>		<u>\$ 7,267</u>	

	Approved Deferral and Variance Accounts		CWIP Account	
	Prescribed Interest Rate (per the Bankers' Acceptances-3 months Plus 0.25 Spread)	Prescribed Interest Rate (per the DEX Mid Term Corporate Bond Index Yield 2)		
Q2 2006	4.14	4.68		
Q3 2006	4.59	5.05		
Q4 2006	4.59	4.72		
Q1 2007	4.59	4.72		
Q2 2007	4.59	4.72		
Q3 2007	4.59	5.18		
Q4 2007	5.14	5.18		
Q1 2008	5.14	5.18		
Q2 2008	4.08	5.18		
Q3 2008	3.35	5.43		
Q4 2008	3.35	5.43		
Q1 2009	2.45	6.61		
Q2 2009	1.00	6.61		
Q3 2009	0.55	5.67		
Q4 2009	0.55	4.66		
Q1 2010	0.55	4.34		
Q2 2010	0.55	4.34		
Q3 2010	0.89	4.66		

## Sheet 8 Applied for Smart Meter Rate Adder

Description	Amount
Revenue Requirement - 2006	\$ -
Revenue Requirement - 2007	\$ -
Revenue Requirement - 2008	\$ -
Revenue Requirement - 2009	\$ 71,919.94
Revenue Requirement - 2010	\$ 219,846.43
Revenue Requirement - 2011	\$ 273,398.85
Total Revenue Requirement	<u>\$ 565,165.22</u>
Smart Meter Rate Adder Collected	-\$ 228,198.98
Carrying Cost / Interest	-\$ 7,266.57
Proposed Smart Meter Recovery	<u>\$ 329,699.67</u>
2011 Expected Metered Customers	9212
<b>Proposed Smart Meter Rate Adder</b>	<b>\$ 2.98</b>

**2011 IRM3 Deferral and Variance  
Account Workform  
CNPI – Port Colborne**



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** EB-2010-0069  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 2.0

## LDC Information

<b>Applicant Name</b>	Canadian Niagara Power Inc. - Port Colborne
<b>OEB Application Number</b>	EB-2010-0069
<b>LDC Licence Number</b>	ED-2002-0572
<b>Applied for Effective Date</b>	May 1, 2011
<b>Last COS Re-based Year</b>	2009
<b>Last COS OEB Application Number</b>	EB-2008-0224
<b>Billing Determinants</b>	2009 Audited RRR
<b>Global Adjustment Elections</b>	
<b>Global Adjustment Recovery Separate Distribution Charge</b>	No
<b>Global Adjustment Recovery as Electricity Component</b>	N/A



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
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<a href="#">A2.1 Table of Contents</a>	Table of Contents
<a href="#">A3.1 Sheet Selection</a>	Set up worksheets for data input
<a href="#">B1.3 Rate Class And Bill Det</a>	Rate Class and 2008 Billing Determinants
<a href="#">C1.4 2010 Transfer to 1595 IRM</a>	2011 Board Approved Transfer of 2008 Deferral/Variance accounts to 1595 IRM
<a href="#">D1.5 Def Var - Cont Sch 2009</a>	Deferral Variance - Continuity Schedule 2009
<a href="#">D1.6 Def Var - Con Sch Final</a>	Deferral Variance - Continuity Schedule Final
<a href="#">E1.1 Threshold Test</a>	Threshold Test
<a href="#">F1.1 Cost Allocation kWh</a>	Cost Allocation - kWh
<a href="#">F1.2 Cost Allocation Non-RPPkWh</a>	Cost Allocation - Non-RPP kWh
<a href="#">G1.1 Calculation Rate Rider</a>	Calculation of Deferral Variance Recovery Rate Rider including Global Adjustment
<a href="#">G1.2 Request for Clearance</a>	Request for Clearance of Deferral and Variance Accounts



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
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## Rate Class and Billing Determinants

### 2009 Audited RRR

Rate Group	Rate Class	Fixed Metric	Vol Metric	Metered kWh	Metered kW	Billed kWh for Non-RPP customers
RES	Residential	Customer	kWh	64,705,236		13,928,264
GSLT50	General Service Less Than 50 kW	Customer	kWh	25,384,902		4,594,667
GSGT50	General Service 50 to 4,999 kW	Customer	kW	105,085,537	393,944	86,219,112
Sen	Sentinel Lighting	Connection	kW	12,415	38	0
SL	Street Lighting	Connection	kW	1,845,879	5,433	1,661,291
USL	Unmetered Scattered Load	Connection	kWh	780,483		
NA	Rate Class 7	NA	NA			
NA	Rate Class 8	NA	NA			
NA	Rate Class 9	NA	NA			
NA	Rate Class 10	NA	NA			
NA	Rate Class 11	NA	NA			
NA	Rate Class 12	NA	NA			
NA	Rate Class 13	NA	NA			
NA	Rate Class 14	NA	NA			
NA	Rate Class 15	NA	NA			
NA	Rate Class 16	NA	NA			
NA	Rate Class 17	NA	NA			
NA	Rate Class 18	NA	NA			
NA	Rate Class 19	NA	NA			
NA	Rate Class 20	NA	NA			
NA	Rate Class 21	NA	NA			
NA	Rate Class 22	NA	NA			
NA	Rate Class 23	NA	NA			
NA	Rate Class 24	NA	NA			
NA	Rate Class 25	NA	NA			
						<b>106,403,334</b>



Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
 File Number: EB-2010-0069  
 Effective Date: Sunday, May 01, 2011  
 Version : 2.0

## 2010 Board Approved Transfer of 2008 Deferral/Variance accounts to 1595 IRM

Disposition Recovery Sunset Date

April 30, 2011

Rate Rider Recovery Complete and 1595 Balance Eligible for Residual Dispositor

No

Account Description	Account Number	Principal Amounts		Interest Amount	Total Balance
		A	B		
<b>Group 1 Accounts</b>					
LV Variance Account	1550	(9,600.00)		(126.00)	(9,726.00)
RSVA - Wholesale Market Service Charge	1580	451,918.00		20,403.00	472,321.00
RSVA - Retail Transmission Network Charge	1584	256,895.00		70,477.00	327,372.00
RSVA - Retail Transmission Connection Charge	1586	(169,378.00)		26,070.00	(143,308.00)
RSVA - Power (Excluding Global Adjustment)	1588	(1,283,359.00)		(207,828.00)	(1,491,187.00)
RSVA - Power (Global Adjustment Sub-account) - when not a separate rate rider	1588	(498,068.00)		(3,121.00)	(501,189.00)
Recovery of Regulatory Asset Balances	1590	75,282.00		(103,463.00)	(28,181.00)
<b>Sub-Total - Group 1 Accounts</b>		<b>(1,176,310.00)</b>		<b>(197,588.00)</b>	<b>(1,373,898.00)</b>
<b>Board ordered disposition of immaterial amounts too small for rate riders</b>					
IRM3 tax sharing z-factor		0.00		0.00	0.00
<b>Disposition and recovery of Regulatory Balances Account</b>					
	1595	1,176,310.00		197,588.00	1,373,898.00
<b>Rate Rider Recovery</b>					
Deferral Variance Recovery May 1, 2010 to December 31, 2010	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2011 to December 31, 2011	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2012 to December 31, 2012	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2013 to December 31, 2013	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2014 to December 31, 2014	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2015 to December 31, 2015	1595	0.00		0.00	0.00
<b>Balance of Disposition and recovery of Regulatory Balances Account</b>	1595	<b>1,176,310.00</b>		<b>197,588.00</b>	<b>1,373,898.00</b>

### Global Adjustment as a separate Rate Rider

Global Adjustment Recovery Sunset Date

April 30, 2011

Rate Rider Recovery Complete and 1595 Balance Eligible for Residual Dispositor

No

Account Description	Account Number	Principal Amounts		Interest Amount	Total Balance
		A	B		
RSVA - Power (Global Adjustment Sub-account) - when a separate rate rider	1588	0.00		0.00	0.00
<b>Disposition and recovery of Regulatory Balances Account</b>					
	1595	0.00		0.00	0.00
<b>Rate Rider Recovery</b>					
Deferral Variance Recovery May 1, 2010 to December 31, 2010	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2011 to December 31, 2011	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2012 to December 31, 2012	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2013 to December 31, 2013	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2014 to December 31, 2014	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2015 to December 31, 2015	1595	0.00		0.00	0.00
<b>Balance of Disposition and recovery of Regulatory Balances Account</b>	1595	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>





Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
 File Number: EB-2010-0069  
 Effective Date: Sunday, May 01, 2011  
 Version : 2.0

Deferral Variance - Continuity Schedule 2009

Account Description	Account Number	Opening Principal Amounts as of Jan-1-09	Transactions (additions) during 2009, excluding interest and adjustments <sup>1</sup>	Transactions (reductions) during 2009, excluding interest and adjustments <sup>1</sup>	Adjustments during 2009 - instructed by Board <sup>2</sup>	Adjustments during 2009 - other <sup>3</sup>	Transfer Residual Amount of USoA 1595	Closing Principal Balance as of Dec-31-09	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec31-09	Transfer of Board-approved 2007 interest amounts to 1595 (2009 CDS)	Closing Interest Amounts as of Dec-31-09	Total Closing	Deferral Variance	RRR Filing Amount	Difference
													Amounts as of Dec-31-09	Disposition Balances as of Dec-31-09	as of Dec-31-09	
													A	B	C	
LV Variance Account	1550	0	4,024	(16,472)				(12,448)	0	19		19	(12,430)	9,600	(2,830)	0
RSVA - Wholesale Market Service Charge	1580	0	78,597	(89,467)				(10,869)	0	(4,898)		(4,898)	(15,767)	(466,394)	(462,161)	0
RSVA - Retail Transmission Network Charge	1584	0	147,496	(78,630)				68,866	0	(2,972)		(2,972)	65,894	(324,003)	(258,109)	0
RSVA - Retail Transmission Connection Charge	1586	0	131,319	(17,750)				113,569	0	2,493		2,493	116,063	141,087	257,150	(0)
RSVA - Power (Excluding Global Adjustment)	1588	0	206,460	(807,740)				(601,280)	0	16,067		16,067	(585,213)	1,474,356	889,143	0
RSVA - Power (Global Adjustment Sub-account)	1588	0	1,030,911	(25,633)				1,005,278	0	8,859		8,859	1,014,137	494,657	1,508,794	(0)
Recovery of Regulatory Asset Balances	1590	0	2	(52)				(51)	0	(3,593)		(3,593)	(3,644)	29,168	25,524	0
Residual Balance Disposition and recovery of Del/Var Balances Account (2008)	1595	0					0	0	0		0	0	0			
<b>Total</b>		<b>0</b>	<b>1,598,809</b>	<b>(1,035,745)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>563,064</b>	<b>0</b>	<b>15,976</b>	<b>0</b>	<b>15,976</b>	<b>579,040</b>			

<sup>1</sup> For RSVA accounts only, report the net additions to the account during the year. For all other accounts, record the additions and reductions separately.  
<sup>2</sup> Provide supporting evidence i.e. Board Decision, CRO Order, etc.  
<sup>3</sup> Provide supporting statement indicating nature of this adjustments and periods they relate to  
<sup>4</sup> This records the values of amounts removed from Group One accounts in previous proceedings, but does not enter offsets for disposition of 1590, as recovery has not been completed.

Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
 File Number: EB-2010-0069  
 Effective Date: Sunday, May 01, 2011  
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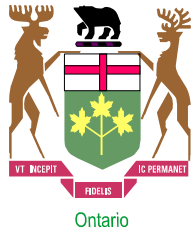
**Deferral Variance - Continuity Schedule Final**

Account Description	Account Number	Opening Principal Amounts as of Jan-1-10	Adjustments - Please explain	Principal Amounts to be disposed	Opening Interest Amounts as of Jan-1-10	Interest on Board-approved 2008 amounts prior to transfer Jan-1, 2010 to Date of Transfer	Adjustments - Please explain	Projected Interest on Dec 31 -09 balance from Jan 1, 2010 to Dec 31, 2010 <sup>1</sup>	Projected Interest on Dec 31 -09 balance from Jan 1, 2011 to April 30, 2011 <sup>1</sup>	Interest Amounts to be disposed	Total Claim
		A	B	C = A + B	D	E	F	G	H	I = D + E + F + G + H	J = C + I
LV Variance Account	1550	(12,448)		(12,448)	19	(109)		(90)	(36)	(216)	(12,665)
RSVA - Wholesale Market Service Charge	1580	(10,869)		(10,869)	(4,898)	5,110		(78)	(32)	102	(10,767)
RSVA - Retail Transmission Network Charge	1584	68,866		68,866	(2,972)	2,905		497	202	632	69,498
RSVA - Retail Transmission Connection Charge	1586	113,569		113,569	2,493	(1,915)		819	332	1,730	115,299
RSVA - Power (Excluding Global Adjustment)	1588	(601,280)	689,828	88,548	16,067	(14,510)		639	259	2,455	91,003
RSVA - Power (Global Adjustment Sub-account)		1,005,278	(802,058)	203,220	8,859	(5,632)		1,466	595	5,288	208,507
Recovery of Regulatory Asset Balances	1590	(51)		(51)	(3,593)	851		(0)	(0)	(2,743)	(2,793)
Residual Balance Disposition and recovery of Def/Var Balances Account (2008)	1595	0		0	0			0	0	0	0
<b>Total</b>		<b>563,064</b>	<b>(112,230)</b>	<b>450,834</b>	<b>15,976</b>	<b>(13,300)</b>	<b>0</b>	<b>3,252</b>	<b>1,319</b>	<b>7,247</b>	<b>458,082</b>

Interest projected on December 31, 2009 closing principal balance.

Month	Prescribed Rate	Monthly Interest
Sunday, January 31, 2010	0.55	0.0467
Sunday, February 28, 2010	0.55	0.0422
Wednesday, March 31, 2010	0.55	0.0467
Friday, April 30, 2010	0.55	0.0452
Monday, May 31, 2010	0.55	0.0467
Wednesday, June 30, 2010	0.55	0.0452
Saturday, July 31, 2010	0.89	0.0756
Tuesday, August 31, 2010	0.89	0.0756
Thursday, September 30, 2010	0.89	0.0732
Sunday, October 31, 2010	0.89	0.0756
Tuesday, November 30, 2010	0.89	0.0732
Friday, December 31, 2010	0.89	0.0756
<b>Effective Rate</b>		<b>0.7214</b>

Month	Prescribed Rate	Monthly Interest
Monday, January 31, 2011	0.89	0.0756
Monday, February 28, 2011	0.89	0.0683
Thursday, March 31, 2011	0.89	0.0756
Saturday, April 30, 2011	0.89	0.0732
<b>Effective Rate</b>		<b>0.2926</b>



**Name of LDC:** Canadian Niagara Power Inc  
**File Number:** EB-2010-0069  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 2.0

## Threshold Test

Rate Class	Billed kWh B
Residential	64,705,236
General Service Less Than 50 kW	25,384,902
General Service 50 to 4,999 kW	105,085,537
Sentinel Lighting	12,415
Street Lighting	1,845,879
Unmetered Scattered Load	780,483
	<u>197,814,452</u>
Total Claim	458,082
Total Claim per kWh	0.002316

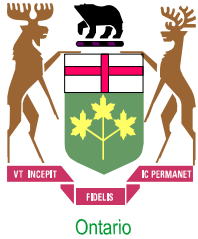


**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** EB-2010-0069  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 2.0

## Cost Allocation - kWh

Rate Class	Billed kWh	% kWh						Total
			1550	1580	1584	1586	1588 <sup>1</sup>	
Residential	64,705,236	32.7%	(4,143)	(3,522)	22,733	37,714	29,767	82,550
General Service Less Than 50 kW	25,384,902	12.8%	(1,625)	(1,382)	8,918	14,796	11,678	32,386
General Service 50 to 4,999 kW	105,085,537	53.1%	(6,728)	(5,720)	36,919	61,251	48,344	134,066
Sentinel Lighting	12,415	0.0%	(1)	(1)	4	7	6	16
Street Lighting	1,845,879	0.9%	(118)	(100)	649	1,076	849	2,355
Unmetered Scattered Load	780,483	0.4%	(50)	(42)	274	455	359	996
	<u>197,814,452</u>	<u>100.0%</u>	<u>(12,665)</u>	<u>(10,767)</u>	<u>69,498</u>	<u>115,299</u>	<u>91,003</u>	<u>252,367</u>

<sup>1</sup> RSVA - Power (Excluding Global Adjustment)



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** EB-2010-0069  
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## Cost Allocation - Non-RPP kWh

Rate Class	Non-RPP kWh	% kWh	
			<b>1588</b> <sup>1</sup>
Residential	13,928,264	13.1%	27,294
General Service Less Than 50 kW	4,594,667	4.3%	9,004
General Service 50 to 4,999 kW	86,219,112	81.0%	168,955
Sentinel Lighting	0	0.0%	0
Street Lighting	1,661,291	1.6%	3,255
Unmetered Scattered Load	0	0.0%	0
	<b>106,403,334</b>	<b>100.0%</b>	<b>208,507</b>

<sup>1</sup> RSVA - Power (Global Adjustment Sub-account)



Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
 File Number: EB-2010-0069  
 Effective Date: Sunday, May 01, 2011

## Calculation of Deferral Variance Recovery Rate Rider including Global Adjustment

Rate Rider Recovery Period - Years

One

Rate Rider Effective To Date

Monday, April 30, 2012

Rate Class	Vol Metric	Billed kWh	Billed kW	Accounts Allocated by kWh	Accounts Allocated by Non-RPP kWh	Account 1590	Account 1595	Total	Rate Rider kWh
		A	B	C	D	E	F	G = C + D + E + F	H = G / A (kWh) or H = G / B (kW)
Residential	kWh	64,705,236	0	82,550	27,294	0	0	109,843	0.00170
General Service Less Than 50 kW	kWh	25,384,902	0	32,386	9,004	0	0	41,389	0.00163
General Service 50 to 4,999 kW	kW	105,085,537	393,944	134,066	168,955	0	0	303,020	0.76920
Sentinel Lighting	kW	12,415	38	16	0	0	0	16	0.41681
Street Lighting	kW	1,845,879	5,433	2,355	3,255	0	0	5,610	1.03265
Unmetered Scattered Load	kWh	780,483	0	996	0	0	0	996	0.00128
		<u>197,814,452</u>	<u>399,415</u>	<u>252,367</u>	<u>208,507</u>	<u>0</u>	<u>0</u>	<u>460,875</u>	
				-	-	-	2,793	-	2,793

Enter the above value onto Sheet  
 "J2.2 Def Var Disp 2011"  
 of the 2011 OEB IRM2 Rate Generator  
 "J2.4 Def Var Disp 2011"  
 of the 2011 OEB IRM3 Rate Generator



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** EB-2010-0069  
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**Version :** 2.0

## Request for Clearance of Deferral and Variance Accounts

Account Description	Account Number	Principal Amounts	Interest Amounts	Total Claim
		A	B	C = A + B
LV Variance Account	1550	12,448	216	12,665
RSVA - Wholesale Market Service Charge	1580	10,869	(102)	10,767
RSVA - Retail Transmission Network Charge	1584	(68,866)	(632)	(69,498)
RSVA - Retail Transmission Connection Charge	1586	(113,569)	(1,730)	(115,299)
RSVA - Power (Excluding Global Adjustment)	1588	(88,548)	(2,455)	(91,003)
RSVA - Power (Global Adjustment Sub-account)	1588	(203,220)	(5,288)	(208,507)
Recovery of Regulatory Asset Balances	1590	51	2,743	2,793
Balance of Disposition and recovery of Regulatory Balances Account (2008)	1595	0	0	0
Disposition and recovery of Regulatory Balances Account	1595	450,834	7,247	458,082
Total		0	0	0

**2011 IRM3 Shared Tax Savings  
Workform  
CNPI – Port Colborne**





Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
File Number: IRM3  
Effective Date: Sunday, May 01, 2011  
Version : 1.0

## LDC Information

<b>Applicant Name</b>	Canadian Niagara Power Inc. - Port Colborne
<b>OEB Application Number</b>	IRM3
<b>LDC Licence Number</b>	ED-2002-0572
<b>Applied for Effective Date</b>	May 1, 2011
<b>Last COS Re-based Year</b>	2009
<b>Last COS OEB Application Number</b>	EB-2008-0224



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

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<a href="#">A1.1 LDC Information</a>	Enter LDC Data
<a href="#">A2.1 Table of Contents</a>	Table of Contents
<a href="#">B1.1 Re-Based Bill Det &amp; Rates</a>	Set Up Rate Classes and enter Re-Based Billing Determinants and Tariff Rates
<a href="#">B1.3 Re-Based Rev From Rates</a>	Calculated Re-Based Revenue From Rates
<a href="#">F1.1 Z-Factor Tax Changes</a>	Sharing formula for Tax changes - this is very preliminary
<a href="#">F1.3 Calc Tax Chg RRider Var</a>	Option B - Calculation of Tax Sharing Rate Rider - Volumetric Allocation



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Rate Class and Re-Based Billing Determinants & Rates

Last COS Re-based Year: 2009  
 Last COS OEB Application Number: EB-2008-0224

Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Rate ReBal Base Service Charge D	Rate ReBal Base Distribution Volumetric Rate kWh E	Rate ReBal Base Distribution Volumetric Rate kW F
RES	Residential	Customer	kWh	8,144	64,972,406		15.46	0.0219	
GSLT50	General Service Less Than 50 kW	Customer	kWh	933	25,831,151		30.69	0.0144	
GSGT50	General Service 50 to 4,999 kW	Customer	kW	81	99,392,250	377,959	554.24		2.7531
USL	Unmetered Scattered Load	Connection	kWh	19	581,173		51.29	0.0261	
Sen	Sentinel Lighting	Connection	kW	37	12,725	38	4.27		6.9764
SL	Street Lighting	Connection	kW	1,988	1,792,552	5,433	3.05		8.7123
NA	Rate Class 7	NA	NA						
NA	Rate Class 8	NA	NA						
NA	Rate Class 9	NA	NA						
NA	Rate Class 10	NA	NA						
NA	Rate Class 11	NA	NA						
NA	Rate Class 12	NA	NA						
NA	Rate Class 13	NA	NA						
NA	Rate Class 14	NA	NA						
NA	Rate Class 15	NA	NA						
NA	Rate Class 16	NA	NA						
NA	Rate Class 17	NA	NA						
NA	Rate Class 18	NA	NA						
NA	Rate Class 19	NA	NA						
NA	Rate Class 20	NA	NA						
NA	Rate Class 21	NA	NA						
NA	Rate Class 22	NA	NA						
NA	Rate Class 23	NA	NA						
NA	Rate Class 24	NA	NA						
NA	Rate Class 25	NA	NA						



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Calculated Re-Based Revenue From Rates

Last COS Re-based Year 2009

Last COS OEB Application Number EB-2008-0224

Rate Class	Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Rate ReBal Base Service Charge	Rate ReBal Base Distribution Volumetric Rate kWh	Rate ReBal Base Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW	Revenue Requirement from Rates
	A	B	C	D	E	F	G = A * D * 12	H = B * E	I = C * F	J = G + H + I
Residential	8,144	64,972,406	0	15.46	0.0219	0.0000	1,510,875	1,422,896	0	2,933,771
General Service Less Than 50 kW	933	25,831,151	0	30.69	0.0144	0.0000	343,605	371,969	0	715,574
General Service 50 to 4,999 kW	81	99,392,250	377,959	554.24	0.0000	2.7531	538,721	0	1,040,559	1,579,280
Unmetered Scattered Load	19	581,173	0	51.29	0.0261	0.0000	11,694	15,169	0	26,863
Sentinel Lighting	37	12,725	38	4.27	0.0000	6.9764	1,896	0	265	2,161
Street Lighting	1,988	1,792,552	5,433	3.05	0.0000	8.7123	72,761	0	47,334	120,095
							<u>2,479,552</u>	<u>1,810,033</u>	<u>1,088,158</u>	<u>5,377,743</u>



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Z-Factor Tax Changes

### Summary - Sharing of Tax Change Forecast Amounts

#### 1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2009	2010	2011	2012
Taxable Capital	\$ 13,198,714	\$ 13,198,714	\$ 13,198,714	\$ 13,198,714
Deduction from taxable capital up to \$15,000,000	\$ 671,693	\$ 671,693	\$ 671,693	\$ 671,693
Net Taxable Capital	\$ 12,527,021	\$ 12,527,021	\$ 12,527,021	\$ 12,527,021
Rate	0.225%	0.150%	0.000%	0.000%
Ontario Capital Tax (Deductible, not grossed-up)	\$ 28,186	\$ 9,318	\$ -	\$ -

#### 2. Tax Related Amounts Forecast from Income Tax Rate Changes

	2009	2010	2011	2012
Regulatory Taxable Income	\$ 495,148	\$ 495,148	\$ 495,148	\$ 495,148
Corporate Tax Rate	33.00%	31.00%	28.25%	26.25%
Tax Impact	\$ 163,399	\$ 153,496	\$ 139,879	\$ 129,976
<b>Grossed-up Tax Amount</b>	<b>\$ 243,879</b>	<b>\$ 222,458</b>	<b>\$ 194,954</b>	<b>\$ 176,239</b>
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ 28,186	\$ 9,318	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 243,879	\$ 222,458	\$ 194,954	\$ 176,239
<b>Total Tax Related Amounts</b>	<b>\$ 272,065</b>	<b>\$ 231,776</b>	<b>\$ 194,954</b>	<b>\$ 176,239</b>
Incremental Tax Savings		-\$ 40,289	-\$ 77,111	-\$ 95,826
Sharing of Tax Savings (50%)		-\$ 20,144	-\$ 38,555	-\$ 47,913



**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

### Calculate Tax Change Rate Rider Volumetric

Rate Class	Total Revenue \$ by Rate Class A	Total Revenue % by Rate Class B = A / \$H	Total Z-Factor Tax Change\$ by Rate Class C = \$I * B	Billed kWh D	Billed kW E	Distribution Volumetric Rate kWh Rate Rider F = C / D	Distribution Volumetric Rate kW Rate Rider G = C / E
Residential	\$2,933,770.5714	54.55%	-\$21,034	64,972,406	0	-\$0.0003	
General Service Less Than 50 kW	\$715,574	13.31%	-\$5,130	25,831,151	0	-\$0.0002	
General Service 50 to 4,999 kW	\$1,579,280	29.37%	-\$11,323	99,392,250	377,959		-\$0.0300
Unmetered Scattered Load	\$26,863	0.50%	-\$193	581,173	0	-\$0.0003	
Sentinel Lighting	\$2,161	0.04%	-\$15	12,725	38		-\$0.4077
Street Lighting	\$120,095	2.23%	-\$861	1,792,552	5,433		-\$0.1585
	<b>\$5,377,743</b> H	<b>100.00%</b>	<b>-\$38,555</b> I				

Enter the above value onto Sheet "J2.7 Tax Change Rate Rider" of the 2011 IRM3 Rate Generator.

**2011 IRM3 RTSR Adjustment  
Workform  
CNPI – Port Colborne**



Name of LDC: Canadian Niagara Power Inc. - Port Colborne  
File Number: IRM3  
Effective Date: Sunday, May 01, 2011  
Version : 1.0

## LDC Information

<b>Applicant Name</b>	Canadian Niagara Power Inc. - Port Colborne
<b>OEB Application Number</b>	IRM3
<b>LDC Licence Number</b>	ED-2002-0572
<b>Applied for Effective Date</b>	May 1, 2011
<b>Last COS Re-based Year</b>	2009
<b>Last COS OEB Application Number</b>	EB-2008-0224





**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

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**Name of LDC:** Canadian Niagara Power Inc. - Port Colborne  
**File Number:** IRM3  
**Effective Date:** Sunday, May 01, 2011  
**Version :** 1.0

## Rate Class and Re-Based Billing Determinants & Rates

Last COS Re-based Year: 2009  
 Last COS OEB Application Number: EB-2008-0224

Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Rate ReBal Base Service Charge D	Rate ReBal Base Distribution Volumetric Rate kWh E	Rate ReBal Base Distribution Volumetric Rate kW F
RES	Residential	Customer	kWh	8,144	64,972,406		15.46	0.0219	
GSLT50	General Service Less Than 50 kW	Customer	kWh	933	25,831,151		30.69	0.0144	
GSGT50	General Service 50 to 4,999 kW	Customer	kW	81	99,392,250	377,959	554.24		2.7531
USL	Unmetered Scattered Load	Connection	kWh	19	581,173		51.29	0.0261	
Sen	Sentinel Lighting	Connection	kW	37	12,725	38	4.27		6.9764
SL	Street Lighting	Connection	kW	1,988	1,792,552	5,433	3.05		8.7123
NA	Rate Class 7	NA	NA						
NA	Rate Class 8	NA	NA						
NA	Rate Class 9	NA	NA						
NA	Rate Class 10	NA	NA						
NA	Rate Class 11	NA	NA						
NA	Rate Class 12	NA	NA						
NA	Rate Class 13	NA	NA						
NA	Rate Class 14	NA	NA						
NA	Rate Class 15	NA	NA						
NA	Rate Class 16	NA	NA						
NA	Rate Class 17	NA	NA						
NA	Rate Class 18	NA	NA						
NA	Rate Class 19	NA	NA						
NA	Rate Class 20	NA	NA						
NA	Rate Class 21	NA	NA						
NA	Rate Class 22	NA	NA						
NA	Rate Class 23	NA	NA						
NA	Rate Class 24	NA	NA						
NA	Rate Class 25	NA	NA						



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## Calculated Re-Based Revenue From Rates

Last COS Re-based Year 2009

Last COS OEB Application Number EB-2008-0224

Rate Class	Re-based Billed		Re-based Billed kW	Rate ReBal Base		Rate ReBal Base		Service Charge Revenue	Distribution Volumetric		Revenue Requirement from Rates
	Customers or Connections	Re-based Billed kWh		Base Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW	Rate Revenue kWh		Rate Revenue kW		
	A	B	C	D	E	F	G = A * D * 12	H = B * E	I = C * F	J = G + H + I	
Residential	8,144	64,972,406	0	15.46	0.0219	0.0000	1,510,875	1,422,896	0	2,933,771	
General Service Less Than 50 kW	933	25,831,151	0	30.69	0.0144	0.0000	343,605	371,969	0	715,574	
General Service 50 to 4,999 kW	81	99,392,250	377,959	554.24	0.0000	2.7531	538,721	0	1,040,559	1,579,280	
Unmetered Scattered Load	19	581,173	0	51.29	0.0261	0.0000	11,694	15,169	0	26,863	
Sentinel Lighting	37	12,725	38	4.27	0.0000	6.9764	1,896	0	265	2,161	
Street Lighting	1,988	1,792,552	5,433	3.05	0.0000	8.7123	72,761	0	47,334	120,095	
							<u>2,479,552</u>	<u>1,810,033</u>	<u>1,088,158</u>	<u>5,377,743</u>	



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## Z-Factor Tax Changes

### Summary - Sharing of Tax Change Forecast Amounts

#### 1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2009	2010	2011	2012
Taxable Capital	\$ 13,198,714	\$ 13,198,714	\$ 13,198,714	\$ 13,198,714
Deduction from taxable capital up to \$15,000,000	\$ 671,693	\$ 671,693	\$ 671,693	\$ 671,693
Net Taxable Capital	\$ 12,527,021	\$ 12,527,021	\$ 12,527,021	\$ 12,527,021
Rate	0.225%	0.150%	0.000%	0.000%
Ontario Capital Tax (Deductible, not grossed-up)	\$ 28,186	\$ 9,318	\$ -	\$ -

#### 2. Tax Related Amounts Forecast from Income Tax Rate Changes

	2009	2010	2011	2012
Regulatory Taxable Income	\$ 495,148	\$ 495,148	\$ 495,148	\$ 495,148
Corporate Tax Rate	33.00%	31.00%	28.25%	26.25%
Tax Impact	\$ 163,399	\$ 153,496	\$ 139,879	\$ 129,976
<b>Grossed-up Tax Amount</b>	<b>\$ 243,879</b>	<b>\$ 222,458</b>	<b>\$ 194,954</b>	<b>\$ 176,239</b>
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ 28,186	\$ 9,318	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 243,879	\$ 222,458	\$ 194,954	\$ 176,239
<b>Total Tax Related Amounts</b>	<b>\$ 272,065</b>	<b>\$ 231,776</b>	<b>\$ 194,954</b>	<b>\$ 176,239</b>
Incremental Tax Savings		-\$ 40,289	-\$ 77,111	-\$ 95,826
Sharing of Tax Savings (50%)		-\$ 20,144	-\$ 38,555	-\$ 47,913



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### Calculate Tax Change Rate Rider Volumetric

Rate Class	Total Revenue \$ by Rate Class A	Total Revenue % by Rate Class B = A / \$H	Total Z-Factor Tax Change\$ by Rate Class C = \$I * B	Billed kWh D	Billed kW E	Distribution Volumetric Rate kWh Rate Rider F = C / D	Distribution Volumetric Rate kW Rate Rider G = C / E
Residential	\$2,933,770.5714	54.55%	-\$21,034	64,972,406	0	-\$0.0003	
General Service Less Than 50 kW	\$715,574	13.31%	-\$5,130	25,831,151	0	-\$0.0002	
General Service 50 to 4,999 kW	\$1,579,280	29.37%	-\$11,323	99,392,250	377,959		-\$0.0300
Unmetered Scattered Load	\$26,863	0.50%	-\$193	581,173	0	-\$0.0003	
Sentinel Lighting	\$2,161	0.04%	-\$15	12,725	38		-\$0.4077
Street Lighting	\$120,095	2.23%	-\$861	1,792,552	5,433		-\$0.1585
	<b>\$5,377,743</b> H	<b>100.00%</b>	<b>-\$38,555</b> I				

Enter the above value onto Sheet "J2.7 Tax Change Rate Rider" of the 2011 IRM3 Rate Generator.