

#### WATERLOO NORTH HYDRO INC.

PO Box 640 300 Northfield Drive East Waterloo ON N2J 4A3 Telephone 519-888-5550 Fax 519-886-8592

E-mail ghilhorst@wnhydro.com www.wnhydro.com

November 5, 2008

Ontario Energy Board P.O. Box 2319 27<sup>th</sup> Floor 2300 Yonge Street Toronto, Ontario M4P 1E4

Attention: Ms. Kirsten Walli, Board Secretary

Dear Ms Walli:

Re: May 1, 2009 IRM Rate Filing / EB-2008-0216

Pursuant to the OEB's December 20, 2006 and January 17, 2007 Cost of Capital (EB-2006-0088) and 2<sup>nd</sup> Generation Incentive Regulation Mechanism (EB-2006-0089) Issuance of Report of the Board and Instructions for Filing 2009 Rate Applications, Waterloo North Hydro Inc. hereby submits its May 1, 2009 Rate Adjustment application together with all relevant working papers. We enclose two (2) hard copies of the Manager's Summary and the 2009 IRM Models and a CD ROM containing an electronic format of the PDF documentation e-mailed to the Board and a completed copy of the 2009 Excel IRM models.

WNH has previously forwarded two (2) electronic versions of the Excel 2009 IRM Model via e-mail to <a href="mailto:boardsec@oeb.gov.on.ca">boardsec@oeb.gov.on.ca</a> and an electronic filing of the application through the Board's web portal.

If there are any questions, please contact myself, Gerry Hilhorst at 519-888-5550, <a href="mailto:ghilhorst@wnhydro.com">ghilhorst@wnhydro.com</a> or Chris Amos at 519-888-5541, <a href="mailto:camos@wnhydro.com">camos@wnhydro.com</a> .

Yours truly,

### Original signed by

Gerry Hilhorst, P.Eng VP, Regulatory Affairs

# Waterloo North Hydro Inc. Distribution Rate Adjustment Application

### SUMMARY OF APPLICATION

### EB-2008-0216 / ED-2002-0575

IN THE MATTER OF the Ontario Energy Board Act, 1998, S. O. 1998, c. 15, Schedule B of the Energy Competition Act, 1998:

AND IN THE MATTER OF an Application by Waterloo North Hydro Inc. for an order approving just and reasonable rates as set out in this Application in accordance with the Ontario Energy Board's Filing Guidelines for the Adjustments of the Electricity Distribution Rates and PILs for May 1, 2009 Distribution Rate Adjustments, issued October 3, 2008 and October 22, 2008.

#### 1.0a Introduction

- 1.1 Waterloo North Hydro Inc. ("Waterloo North Hydro") submits this Application and supporting documentation for a rate adjustment and funding adder pursuant to the Ontario Energy Board's Filing Guidelines for May 1, 2009 Distribution Rate Adjustments and PILs, issued October 3, 2008 and October 22, 2008.
- 1.2 The utility continues to operate under the authority of a Board of Directors and has been incorporated as "Waterloo North Hydro Inc." under the Ontario Business Corporations Act since May 1, 2000. Waterloo North Hydro operates under Electricity Distribution Licence ED-2002-0575.
- 1.3 In February 2002, Waterloo North Hydro received approval for new rates, which included an adjustment for the second 1/3 of the Market Adjusted Rate of Return (MARR) increment effective March 1, 2002. These rates were implemented in April 2002.

- 1.4 In March 2004, Waterloo North Hydro received approval for new rates, which included an adjustment for the Regulatory Assets effective March 1, 2004. These rates were implemented on April 1, 2004.
- 1.5 In February 2005, Waterloo North Hydro received a rate adjustment to be effective March 1, 2005 and implemented on April 1, 2005 to its unbundled distribution rates to provide for the last third of MARR (with approved C&DM Plan), costs associated with Regulatory Assets and 2005 PILs as outlined in the December 20, 2004 filing guidelines.
- 1.6 Waterloo North Hydro received Board approval on April 12, 2006 for rate adjustments, effective and implemented May 1, 2006, to its unbundled distribution rates under a Cost of Service model, its associated 2006 PILs and costs associated with Regulatory Assets that were implemented as a rate rider, as outlined in the June 16, June 28 and July 12, 2005 filing guidelines issued by the OEB [EB-2005-0448]. Included in this rate approval were "negative" Regulatory Asset Recovery Rate Riders which in effect reduced customer bills.
- 1.7 Waterloo North Hydro received Board approval on April 12, 2007 for rate adjustments, effective and implemented May 1, 2007, to its unbundled distribution rates under an Incentive Regulation Mechanism, its associated 2007 PILs [EB-2007-0585] and a continuation of "negative" Regulatory Asset Recovery Rate Riders.
- 1.8 Waterloo North Hydro received Board approval on April 22, 2008, for rate adjustments, effective and implemented May 1, 2008, to its unbundled distribution rates under the implementation of the cost of capital and 2<sup>nd</sup> generation incentive regulation mechanism policies, and its associated 2008 PILs [EB-2007-0829].

1.9 In this filing, Waterloo North Hydro is seeking approval for rate adjustments, to be effective and implemented May 1, 2009, to its unbundled distribution rates under the implementation of the cost of capital and 2<sup>nd</sup> generation incentive regulation mechanism policies, its associated 2009 PILs, and adjustment to Retail Transmission Service Rates, as provided in the Board's October 3, 2008 and October 22, 2008 filing guidelines.

### 1.0b Company Size and Number of Customers

1.10 Waterloo North Hydro is a municipally owned electric distribution company. Waterloo North Hydro serves approximately 50,000 residential, commercial, and industrial customers in the City of Waterloo and the Townships of Wellesley and Woolwich.

#### 1.0c Customer Profile

- 1.11 The Company currently uses six customer classes for the purpose of distribution rates and billing: Residential, General Service < 50 kW, General Service > 50 kW, Large Use, Street Lighting and Unmetered Scattered Load.
- 1.12 The General Service < 50 kW class includes a wide range of customers including: office buildings, medium and small commercial and industrial establishments, farms, apartment and condominium buildings.</p>
- 1.13 The General Service > 50 kW class is typically comprised of large commercial and industrial customers.
- 1.14 The Large Use class consists of two large use customers with an average load over five megawatts per customer.

- 1.15 The Street Light class contributes less than 1% to the Company's current distribution revenue. This class is included in the 2009 Electricity Distribution Rate Model; however, it is not mentioned further in this Summary of Application due to its minor significance relative to the other rate classes.
- 1.16 The Unmetered Scattered Load class contributes less than 1% to the Company's current distribution revenue. This class is included in the 2009 Electricity Distribution Rate Model; however, it is not mentioned further in this Summary of Application due to its minor significance relative to the other rate classes.

### 1.0d Previously Denied Amounts

1.17 Waterloo North Hydro has not previously been denied for any amounts that are included in the account balances in this application.

#### 2.0 Information supporting the data filed in this Application:

#### 2.1 2008 EDR Tariff Sheet as Approved by the Board

Waterloo North Hydro has inserted its approved 2008 rates, including the 2008 Smart Meter Funding increment, as approved by the Board on April 22, 2008, in the 2009 IRM model.

#### 2.3 Price Cap Adjustment

Waterloo North Hydro has used the model proxy value of 2.1% as the Price Escalator (GDP-IPI) as prescribed in the 2009 IRM Model. Waterloo North Hydro understands that the Board will adjust the inflation index in our 2009 IRM rate application model, when Statistics Canada publishes its final 2008 data in late February, 2009.

#### 2.4 Smart Meter Funding Adder

On June 25, 2008 the Government of Ontario approved O. Reg. 235/08 which amended Reg. 427/06 (Smart Meters: Discretionary Metering and Procurement Principles) to add a new category of distributors that are authorized to undertake smart meter activities. This regulation authorizes metering activities pursuant to the Request for Proposal (RFP) for Advanced Metering Infrastructure issued on August 14, 2007 by London Hydro Inc. and other named distributors. Waterloo North Hydro was a named party to the RFP and thus, has commenced its smart meter activities.

Waterloo North Hydro has proposed an adjustment of its monthly smart meter funding adder for its metered customers and has chosen the standard \$1.00 per month per metered customer smart meter funding adder. The proposed adjusted smart meter adder is reflected in Sheet J1.1 of the IRM model.

WNH estimates that the number of meters to be installed in the rate test year to be approximately 49,000.

WNH does not have all of the contractual arrangements in place at this time, negotiations are currently in process. WNH has a preliminary estimate of a total cost of \$179 per meter. This preliminary total cost estimate includes Smart Meter Unit Costs, Installation, Infrastructure, Communications, Meter Base Repairs and OM&A. This estimate does not include the Cost of Funds. WNH has a preliminary estimate of total smart meter costs (as listed above) of approximately \$8.8m in the rate test year.

### 2.4 Smart Meter Funding Adder - continued

Current smart meter technology available meets minimum functionality of O. Reg. 425/06, with minor functionality enhancements that are provided at no additional cost.

WNH does not expect to incur costs associated with functions for which the Smart Metering Entity (SME) has the exclusive authority to carry out pursuant to O. Reg. 393/07. WNH is undertaking activities to test and commission the AMI systems and does not intend to duplicate the expected SME activities.

### 2.5 Federal Tax Adjustment

Waterloo North Hydro has included in Sheet D2.1 the model calculated rate impact of a decrease of .2% which reflects the decrease in the federal tax rate effective January 1, 2009.

#### 2.6 Retail Transmission Service Rate Adjustments

Further to the Board's Decision EB-2008-0113 on August 28, 2008 of the Adjustment of Hydro One Network Inc.'s Retail Transmission Service Rates effective January 1, 2009 and their filing instruction of October 22, 2008, Waterloo North Hydro has adjusted its rates as follows:

Network			Connection			
Current Nov 1/07 - Dec 31/08 EB-2007-0759	Approved Effective Jan 1/09 EB-2008-0113	Increase	Current Nov 1/07 – Dec 31/08 EB-2007-0759	Approved Effective Jan 1/09 EB-2008-0113	Increase	
\$2.31	\$2.57	\$.26	\$2.20	\$2.32	\$.12	
		11.3%			5.5%	

### 3.0 Rate Impacts/Mitigation

The following chart indicates the current and proposed distribution rates calculated as per the 2009 IRM Model:

Class	Current Rates:	Proposed Rates:	\$ Increase	% Increase
	Service Charge/	Service Charge/	(Decrease) in	(Decrease) in
	Volumetric	Volumetric	Distribution	Distribution
	Charge	Charge	Charge	Charge
Residential	\$ 15.05	\$ 15.83	\$ .78	5.2%
	\$ .0134	\$ .0134	\$ .0000	0.0%
Gen. Service	\$ 31.37	\$ 32.20	\$ .83	2.6%
< 50 kW (kWh)	\$ .0107	\$ .0107	\$ .0000	0.0%
Gen. Service	\$ 190.20	\$ 191.49	\$ 1.29	0.7%
> 50 kW (kW)	\$ 3.6275	\$ 3.6381	\$ .0106	0.3%
Large User	\$ 6,791.60	\$6,812.12	\$ 20.52	0.3%
(kW)	\$ 2.7755	\$ 2.7836	\$ .0081	0.3%

The Smart Meter Funding Adder proposed is an increase to \$1.00 per month per metered customer from the current rate adder of \$.26 per month per metered customer.

The impact of the distribution rate changes reflects a combination of the proposed .30% increase to the rate classes plus the Smart Meter Funding Adder increase. The .3% increase is derived from the Total Price Cap Adjustment of the Proxy Price Escalator (GDP-IPI) of 2.1%, reduced by the Average Annual Expected Productivity Gain (X) of (1.0%), the K Factor Adjustment of (.6%) and the Federal Tax Adjustment of (.2%).

### 3.1 Rate Impacts/Mitigation on Total Bill

The following chart indicates a comparison between bills, based upon a customer's Total Bill including Taxes, on an Annualized Basis (as per the Bill Impact Sheets), including a commodity component and other charges to get an order of magnitude.

Class	2008 Bill 2009 Bi		\$ Increase (Decrease)	% Increase (Decrease)
Residential (1,000 kWh)	\$ 117.35	\$ 118.84	\$ 1.49	1.3%
Gen. Service < 50 kW (2,000 kWh)	\$ 233.01	\$ 235.20	\$ 2.19	0.9%
Gen. Service > 50 kW (100,000 kWh/250kW)	\$ 10,342.89	\$ 10,406.04	\$ 63.15	0.6%
Large User (2,600,000 kWh / 5,000 kW)	\$250,645.72	\$252,112.07	\$ 1,466.35	0.6%

Waterloo North Hydro remains committed to the principle that significant increases or decreases be managed so as to mitigate undue rate impacts in all rate classes. We are also concerned that customers understand the rate impacts. Two critical measures of the impact analysis for each rate class are the percentage increase from current rates, and the respective dollar amount of the impact. Providing both the dollar impact and the percentage change puts the increase in the proper context. Waterloo North Hydro used both percentages and dollar amounts to demonstrate relative impacts. As indicated above there is an increase of .6% to 1.3% on the total bill including taxes, to all classes after all proposed rate adjustments have been accounted for.

### 3.2 Rate Impacts/Mitigation - Proposed Rate Schedule

The following is Waterloo North Hydro's proposed Distribution Rates for the Board's approval based on the 2009 IRM Model:

Classification	Rate			
RESIDENTI	AL			
Monthly Service Charge	\$ 15.83			
Distribution Volumetric Rate (per kWh)	\$ .0134			
GENERAL SERVI	CE < 50kW			
Monthly Service Charge	\$ 32.20			
Distribution Volumetric Rate (per kWh)	\$ .0107			
GENERAL SERVICE > 50kW (Non Time of Use)				
Monthly Service Charge	\$ 191.49			
Distribution Volumetric Rate (per kW)	\$ 3.6381			
LARGE USI	ER			
Monthly Service Charge	\$ 6,812.12			
Distribution Volumetric Rate (per kW)	\$ 2.7836			
STREET LIGH	TING			
Monthly Service Charge	\$ 0.34			
Distribution Volumetric Rate (per kW)	\$ 6.8934			
GENERAL SERVICE Unmeter	red Scattered Load			
Monthly Service Charge	\$ 15.60			
Distribution Volumetric Rate (per kWh)	\$ .0106			

Waterloo North Hydro proposes to implement the new rates as of May 1, 2009. Waterloo North Hydro will prorate the customers' bills in order that consumption prior to May 1, 2009 will be billed at its current rates and post May 1, 2009 consumption will be billed at the rates proposed in this rate application.

4.0 Publishing Notice of Rate Change

Waterloo North Hydro is prepared to publish a Notice concerning this rate

change in the local newspaper to inform electricity customers of the proposed

changes to distribution rates.

Waterloo North Hydro expects its customers may require further information

about rate impacts as a result of this application. It will undertake to inform and

explain the rate changes and the reasons for them to customers.

Dated at Waterloo, Ontario this 5th day of November 2008.

Original signed by

Rene W. Gatien, P. Eng., MBA President & CEO Waterloo North Hydro Inc.









Input Cell

Formulated Cells



Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.

For best viewing, set your screen resolution to 1280 by 960 pixels

Applicant Name	Waterloo North Hydro Inc.
Applicant Service Area	Main
OEB Application Number	EB-2008-0216
LDC Licence Number	ED-2002-0575
Notice Publication Language	English
DRC Rate	0.00700
Customer Bills	12 per year
Distribution Demand Bill Determinant	kW
RTSR - Low Voltage	No
Contact Information	
Name:	Gerry Hilhorst
Title:	VP Regulatory Affairs
Phone Number:	519-888-5550
E-Mail Address:	ghilhorst@wnhydro.com

#### Please Note:

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

#### Copyright:

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

Sheet Name	Purpose of Sheet	
A1.1 LDC Information	Enter LDC Data	
A2.1 Table of Contents	Table of Contents	
B1.1 Curr&Appl Rt Class General	Set up Tariff Sheet Rate Classes - General	
B2.1 Curr&Appl Rt Class Unique	Set up Tariff Sheet Rate Classes - Unique	
C1.1 Smart Meters Rate Adder	Enter Smart Meter Rate Adder	
C2.1 Smart Meter Cost Recovery		0
C2.2 Regulatory Asset Recovery		0
C2.3 LV Wheeling		0
C3.1 Curr Rates & Chgs General	Enter Current Tariff Sheet Rates - General Rate Classes	
C6.1 Curr Rates & Chgs Unique	Enter Current Tariff Sheet Rates - Unique Rate Classes (if applicable)	
C7.1 Base Dist Rates Gen	Calculation of Base Distribution Rates - General Rate Classes	
C8.1 Base Dist Rates Unique	Calculation of Base Distribution Rates - Unique Rate Classes	
D1.1 K-factor Adjustment Wrksht	Enter 2006 EDR K-Factor Adjustment Data	
D1.2 K-factor Adjustment - Gen	Calculation of Adjustment to Rates for K-Factor - General Rate Class	
D1.3 K-factor Adjustment - Uniq	Calculation of Adjustment to Rates for K-Factor - Unique Rate Class	
D2.1 Federal Tax Adjust Wrksht	Enter Federal Tax Adjustment Data	
D2.2 Federal Tax Adjustment Gen	Calculation of Adjustment to Rates for Federal Taxes - General Rate Classes	
D2.3 Federal Tax Adjustment Unq	Calculation of Adjustment to Rates for Federal Taxes - Unique Rate Classes	
E1.1 Rate Reb Base Dist Rts Gen	Calculation of Rates before Price Cap Adjustment - General Rate Classes	
E2.1 Rate Reb Base Dist Rts Unq	Calculation of Rates before Price Cap Adjustment - Unique Rate Classes	
F1.1 Price Cap Adjustmnt Wrksht	Enter Price Cap Adjustment Data	
F1.2 Price Cap Adjustment - Gen	Calculation of Adjustment to Rates for Price Cap Adjustment - General Rate Classes	
F1.3 Price Cap Adjustment - Unq	Calculation of Adjustment to Rates for Price Cap Adjustment - Unique Rate Classes	
G1.1 Aft PrcCp Base Dst Rts Gen	Base Distribution Rates after Price Cap Adjustment - General Rate Class	
G2.1 AftPrcCap Bas Dst Rts Uniq	Base Distribution Rates after Price Cap Adjustment - Unique Rate Class	
J1.1 Smart Meters Rate Adder	Enter Proposed Tariff Sheet Smart Meter Rate Adder	
J2.1 Smart Meter Cost Recovery		0
J2.2 Regulatory Asset Recovery		0
J2.3 LV Wheeling		0
K1.1 App For Dist Rates Gen	Calculation of Proposed Distribution Rates - General Rate Classes	
K2.1 App For Dist Rates Uniq	Calculation of Proposed Distribution Rates - Unique Rate Classes	
L1.1 Curr&Appl For TX Network	To input adjustment changes for Retail Transmission Network Rates General	
L1.2 Curr&Appl For TX Net Uniq	To input adjustment changes for Retail Transmission Network Rates Unique	
L2.1 Curr&Appl For TX Connect	To input adjustment changes for Retail Transmission Connection Rates General	
L2.2 Curr&Appl For TX Conn Uniq	To input adjustment changes for Retail Transmission Connection Rates Unique	
N1.1 Appl For Mthly R&C General	Monthly Rates and Charges - General Rate Classes	
N2.1 Appl For Mthly R&C Unique	Monthly Rates and Charges - Unique Rate Classes	
N3.1 Curr&Appl For Loss Factor	Enter Loss Factors From Current Tariff Sheet	
O1.1 Sum of Chgs To MSC&DX Gen	Shows Summary of Changes To General Service Charge and Distribution Volumetric Charge	
O1.2 Sum of Chgs To MSC&DX Uniq	Shows Summary of Changes To Unique Service Charge and Distribution Volumetric Charge	
O2.1 Calculation of Bill Impact	Bill Impact Calculations	
P1.1 Curr&Appl For Allowances	Enter Allowances from Current Tariff Sheets	
P2.1 Curr&Appl For Spc Srv Chg	Enter Specific Service Charges from Current Tariff Sheets	
P3.1 Curr&Appl For Rtl Srv Chg	Enter Retail Service Charges from Current Tariff Sheets	



Commission de l'énergie de l'Ontario

### **2nd Generation Incentive Regulation Mechanism**

















#### **Instructions**

Using the pull-down list in column C and D, choose the general classes that match those on your Board-Approved 2008 Tariff of Rates and Charges.

In column E, indicate whether the class is NEW, CONTINUING, OR DISCONTINUING.

(If a Rate Classification needs to be added to the pull-down list, please contact the Board.)

Rate Group	Rate Class	Applied for Status	Fixed Metric	Vol Metric
RES	Residential	Continuing	Customer - 12 per year	kWh
GSLT50	General Service Less Than 50 kW	Continuing	Customer - 12 per year	kWh
GSGT50	General Service 50 to 4,999 kW	Continuing	Customer - 12 per year	kW
LU	Large Use	Continuing	Customer - 12 per year	kW
USL	Unmetered Scattered Load	Continuing	Connection -12 per year	kWh
SL	Street Lighting	Continuing	Connection - 12 per year	kW
NA	Rate Class 7	NA	NA	NA
NA	Rate Class 8	NA	NA	NA
NA	Rate Class 9	NA	NA	NA
NA	Rate Class 10	NA	NA	NA
NA	Rate Class 11	NA	NA	NA
NA	Rate Class 12	NA	NA	NA
NA	Rate Class 13	NA	NA	NA
NA	Rate Class 14	NA	NA	NA
NA	Rate Class 15	NA	NA	NA
NA	Rate Class 16	NA	NA	NA
NA	Rate Class 17	NA	NA	NA
NA	Rate Class 18	NA	NA	NA
NA	Rate Class 19	NA	NA	NA
NA	Rate Class 20	NA	NA	NA
NA	Rate Class 21	NA	NA	NA
NA	Rate Class 22	NA	NA	NA
NA	Rate Class 23	NA	NA	NA
NA	Rate Class 24	NA	NA	NA
NA	Rate Class 25	NA	NA	NA



Commission de l'énergie de l'Ontario

### **2nd Generation Incentive Regulation Mechanism**

















#### Instructions

Using the pull-down list in column C and D, choose the unique classes that match those on your Board-Approved 2008 Tariff of Rates and Charges.

In column E, indicate whether the class is NEW, CONTINUING, OR DISCONTINUING.

(If a Rate Classification needs to be added to the pull-down list, please contact the Board.)

Rate Group	Rate Class	Applied for Status	Fixed Metric	Vol Metric
NA	Rate Class 26	NA	NA	NA
NA	Rate Class 27	NA	NA	NA
NA	Rate Class 28	NA	NA	NA
NA	Rate Class 29	NA	NA	NA
NA	Rate Class 30	NA	NA	NA
NA	Rate Class 31	NA	NA	NA
NA	Rate Class 32	NA	NA	NA
NA	Rate Class 33	NA	NA	NA
NA	Rate Class 34	NA	NA	NA
NA	Rate Class 35	NA	NA	NA



















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

Please identify the rate adder in cell D28. For most utilities, the rate adder can be located in the Board-approved 2008 IRM model, worksheet "8. Addback of Smart Meter Amt", column D.

Rate Adder Smart Meters Rate Adder

Applied for Status Continuing

Metric Applied To Metered Customers

Method of Application Uniform Service Charge

Uniform Service Charge Amount 0.260000

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.260000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	0.260000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	0.260000	Customer - 12 per year	0.000000	kW
Large Use	Yes	0.260000	Customer - 12 per year	0.000000	kW

Rate Rider Smart Meter Cost Recovery

Sunset Date

Metric Applied To Metered Customers

Method of Application Uniform Service Charge

Uniform Service Charge Amount 0.000000

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

Rate Rider

Regulatory Asset Recovery

Sunset Date

DD/MMYYYY

Metric Applied To

All Customers

Method of Application

Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	No	0.000000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	No	0.000000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	No	0.000000	Customer - 12 per year	0.000000	kW
Large Use	No	0.000000	Customer - 12 per year	0.000000	kW
Unmetered Scattered Load	No	0.000000	Connection -12 per year	0.000000	kWh
Street Lighting	No	0.000000	Connection - 12 per year	0.000000	kW

Rate Rider

LV Wheeling

Sunset Date

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	No	0.000000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	No	0.000000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	No	0.000000	Customer - 12 per year	0.000000	kW
Large Use	No	0.000000	Customer - 12 per year	0.000000	kW
Unmetered Scattered Load	No	0.000000	Connection -12 per year	0.000000	kWh
Street Lighting	No	0.000000	Connection - 12 per year	0.000000	kW

















Enter your Board-Approved 2008 Tariff of Rates and Charges for all General Classes

## Rate Class Residential

Rate Description	Metric	Rate
Service Charge	\$	15.05
Distribution Volumetric Rate	\$/kWh	0.0134
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0045
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0018
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Rate Class

#### General Service Less Than 50 kW

Rate Description	Metric	Rate
Service Charge	\$	31.37
Distribution Volumetric Rate	\$/kWh	0.0107
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0041
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0016
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Rate Class

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

Rate Description	Metric	Rate
Service Charge	\$	190.20
Distribution Volumetric Rate	\$/kW	3.6275
	**	
Retail Transmission Rate – Network Service Rate	\$/kW	1.6762
Retail Transmission Rate – Network Service Rate – Interval metered < 1,000 kW	\$/kW	1.7803
Retail Transmission Rate – Network Service Rate – Interval metered > 1,000 kW	\$/kW	1.7781
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6444
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered < 1,000 kW	\$/kW	0.8049
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered > 1,000 kW	\$/kW	0.8040
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Rate Class

#### Large Use

Rate Description	Metric	Rate
Service Charge	\$	6,791.60
Distribution Volumetric Rate	\$/kW	2.7755
Retail Transmission Rate – Network Service Rate	\$/kW	1.9712
	\$/kW	0.0000
	\$/kW	0.0000
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8077
	\$/kW	0.0000
	\$/kW	0.0000
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## Rate Class Unmetered Scattered Load

Rate Description	Metric	Rate
Service Charge (per connection)	\$	15.55
Distribution Volumetric Rate	\$/kWh	0.0106
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0041
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0016
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## Rate Class Street Lighting

Rate Description	Metric	Rate	
Service Charge (per connection)	\$	0.34	
Distribution Volumetric Rate	\$/kW	6.8734	
Retail Transmission Rate – Network Service Rate	\$/kW	1.2642	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.4981	
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	



Enter your Board-Approved 2008 Tariff of Rates and Charges for the Unique classes



# Ontario Energy Board Commission de l'énergie de l'Ontario

## 2nd Generation Incentive Regulation Mechanism

















#### Instructions

No input required.

The sheet provides a breakdown for the determination of "Current Base Rates" for all general classes.

#### **Service Charge**

Class	<u>Metric</u>	Current Rates	Smart Meters Rate Adder	Current Base Rates
Residential	Customer - 12 per year	15.050000	0.260000	14.790000
General Service Less Than 50 kW	Customer - 12 per year	31.370000	0.260000	31.110000
General Service 50 to 4,999 kW	Customer - 12 per year	190.200000	0.260000	189.940000
Large Use	Customer - 12 per year	6,791.600000	0.260000	6,791.340000
Unmetered Scattered Load	Connection -12 per year	15.550000	0.000000	15.550000
Street Lighting	Connection - 12 per year	0.340000	0.000000	0.340000

#### **Distribution Volumetric Rate**

Class	<u>Metric</u>	<b>Current Rates</b>	Rate Adder	Current Base Rates
Residential	kWh	0.013400	0.000000	0.013400



















No input required.

The sheet provides a breakdown for the determination of "Current Base Rates" for all unique classes.

**Service Charge** 

Class <u>Metric</u> <u>Current Rates</u> <u>Current Base Rates</u>

**Distribution Volumetric Rate** 

Class <u>Metric</u> <u>Current Rates</u> <u>Current Base Rates</u>















#### K-Factor Derivation Worksheet

Please enter the required information into the green-shaded cells

#### Capital Structure Transition

#### Size of Utility (Rate Base)

Year	Small		Med-Small		Med-Large		Large	
	[\$0, \$100M)		[\$100M,\$250	M)	[\$250M,\$1E	3)	>=\$1B	
	Debt	Equity	Debt	Equity	Debt	Equity	Debt	Equity
2007	50.0%	50.0%	55.0%	45.0%	60.0%	40.0%	65.0%	35.0%
2008	53.3%	46.7%	57.5%	42.5%	60.0%	40.0%	62.5%	37.5%
2009	56.7%	43.3%	60.0%	40.0%	60.0%	40.0%	60.0%	40.0%
2010	60.0%	40.0%	60.0%	40.0%	60.0%	40.0%	60.0%	40.0%

#### Cost of Capital parameters

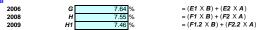
(Board Approved 2006 EDR Model, Sheet 3-2, Cell E32) (Board Approved 2006 EDR Model, Sheet 3-2, Cell C25) C D Rate Base 97,659,868 (Board Approved 2006 EDR Model, Sheet 3-1, Cell F21)

#### **Deemed Capital Structure**

		Debt	Equity	
2006	E1	50.0%	50.0%	E2
2008	F1	53.3%	46.7%	F2
2009	F1.2	56.7%	43.3%	F2.2

Based on  ${m C}$ , copies the deemed D/E from row "2007" of the table Based on  ${m C}$ , copies the deemed D/E from row "2008" of the table Based on  ${m C}$ , copies the deemed D/E from row "2009" of the table

#### **Cost of Capital**



Weighted Average Cost of capital



## 7,461,213.92 = C X G / 100 7,373,554.42 = C X H / 100 7,283,238.57 = C X H1 / 100

#### Distribution Expenses and Rev nue Requirement (before PILs)

Transformer Allowance Credit Revenue Requirement (before PILs) 2006 21,689,932.92

Base Revenue Requirement

Distribution Expenses (other than PILs)

2008	0	\$ 21,602,273.42	=,
2009	02	\$ 21,511,957.57	=.

#### Target Net Income (EBIT)

2006	\$ 4,394,694.06 P1 = 1 - P2
2008	\$ 4,104,644.25 Q1 = J - Q2
2009	\$ 3,805,805.06 Q1.2 = J1 - Q2.2

### Interest Expense

Federal Tax (grossed up)

2006	\$ 3,066,519.86 P2 = C X (B X E1 / 100)
2008	\$ 3,268,910.17 Q2 = C X (B X F1 / 100)
2009	\$ 3,477,433.52 Q2.2 = C X (B X F1.2 / 100)



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

Large Corporation Tax Allowance (if applicable) - grossed up OCT (Rate Base less \$10,000,000 X 0.30%) PILs Allowance Taxable Income 2006 2008

8.722 S (Board Approved 2006 PILs Model, Sheet "Test Year PILS, Tax Provision", Cell D31) 295,387 **T** (Board Approved 2006 PILs Model, Sheet "Test Year PILS, Tax Provision", Cell D30) 3,030,475 **U** (Board Approved 2006 PILs Model, Sheet "Test Year PILS, Tax Provision", Cell D33) (Board Approved 2006 PILs Model, Sheet "Test Year PILS, Tax Provision", Cell D11) = AC + (Q1 - P1) " (R / 100) = AC + (Q1.2 - P1) " (R / 100) 4,821,713 AC = AC \* (R / 100) / (1 - R / 100) = AD \* (R / 100) / (1 - R / 100) = AD1 \* (R / 100) / (1 - R / 100)

14,228,719 (Board Approved 2006 EDR Model, Sheet 4-1, Cell F15) 23,716,999 (Board Approved 2006 EDR Model, Sheet 5-5, Cell F27)

744,464 (Board Approved 2006 EDR Model, Sheet 6-3, Cell "Total" in Row R120)

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

Revenue Requirement (less LCT)		(LC	T is removed as it was removed in from rates in 2007 EDR)
2006	\$ 24,711,686.13	х	= N + V + T
2008	\$ 24,564,788.25	Υ	= O + W + T
2009	\$ 24,413,438.92	Y2	= O2 + W + T

2006

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

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

2006 2008 2009		\$ \$ \$	= 1, 101, 100100	Z AA1 AA1.2	= L + M = Z + (Y - X) = Z + (Y2 - X)
Difference	2008 2009	\$ <u>-</u> \$ -	146,897.88 151,349.33	AA2 AA2.2	= <b>AA1</b> - <b>Z</b> = <b>AA1.2</b> - AA1
K-factor	2008 2009		-0.6% -0.6%		= AA2 / Z = AA2.2 / AA1



Commission de l'énergie de l'Ontario

### **2nd Generation Incentive Regulation Mechanism**

















#### **Instructions**

This worksheet applies the 2009 K-Factor adjustment from Sheet D1.1 to all general classes.

No input required.

**Rate Rebalancing Adjustment** 

K-factor Adjustment - General

**Metric Applied To** 

All Customers

**Method of Application** 

Both Uniform%

**Uniform Service Charge Percent** 

-0.600%

**Uniform Volumetric Charge Percent** 

-0.600% **kWh** 

-0.600% **kW** 

#### **Monthly Service Charge**

(	Class	<u>Metric</u>	Base Rate	To This Class	% Adjustment	Adj To Base
	Residential	Customer - 12 per year	14.790000	Yes	-0.600% -	0.088740
(	General Service Less Than 50 kW	Customer - 12 per year	31.110000	Yes	-0.600% -	0.186660
(	General Service 50 to 4,999 kW	Customer - 12 per year	189.940000	Yes	-0.600% -	1.139640
	Large Use	Customer - 12 per year	6791.340000	Yes	-0.600% -	40.748040
- 1	Unmetered Scattered Load	Connection -12 per year	15.550000	Yes	-0.600% -	0.093300
	Street Lighting	Connection - 12 per year	0.340000	Yes	-0.600% -	0.002040

#### **Volumetric Distribution Charge**

Class	<u>Metric</u>	Base Rate	To This Class	% Adjustment	Adi To Base
Residential	kWh	0.013400	Yes	-0.600% -	0.000080
General Service Less Than 50 kW	kWh	0.010700	Yes	-0.600% -	0.000064
General Service 50 to 4,999 kW	kW	3.627500	Yes	-0.600% -	0.021765
Large Use	kW	2.775500	Yes	-0.600% -	0.016653
Unmetered Scattered Load	kWh	0.010600	Yes	-0.600% -	0.000064
Street Lighting	kW	6.873400	Yes	-0.600% -	0.041240



Commission de l'énergie de l'Ontario

### **2nd Generation Incentive Regulation Mechanism**

















#### **Instructions**

This worksheet applies the 2009 K-Factor adjustment from Sheet D1.1 to all unique classes.

No input required.

Rate Rebalancing Adjustment

K-factor Adjustment - Unique

**Metric Applied To** 

All Customers

**Method of Application** 

Both Uniform%

**Uniform Service Charge Percent** 

-0.600%

**Uniform Volumetric Charge Percent** 

-0.600% **kWh** 

-0.600% **kW** 

**Monthly Service Charge** 

<u>Class</u>

**Metric** 

**Base Rate** 

**To This Class** 

% Adjustment

Adj To Base

**Volumetric Distribution Charge** 

<u>Class</u>

<u>Metric</u>

**Base Rate** 

**To This Class** 

% Adjustment

Adj To Base



	2006		2008	2008 Adjustment	2009	2009 Adjustment
From 2006 PIL's Model 2006 Regulatory Taxable Income (K-Factor Cell H87)	4,821,713	Α	4,821,713		4,821,713	
2006 Corporate Income Tax Rate (K-Factor Cell E79)	36.12%	В	33.50%		33.00%	
Corporate PILs/Income Tax Provision for Test Year	1,741,603	C = A * B	1,615,274		1,591,165	
Income Tax (grossed-up)	2,726,366	D = C / (1 -B)	2,428,983	-297,383	2,374,874	-54,110 <b>4</b> 2009 Amount to be adjusted
From 2006 EDR Model 2006 EDR Base Revenue Requirement From Distribution Rates (K-Factor Cell E105)	24,461,463	E	24,461,463		24,461,463	
Grossed up taxes as a % of Revenue Requirement	11.100%		9.900%	-1.200%	9.700%	-0.200%
Orossed up taxes as a 70 or revenue requirement	11.10070	1-0/2	3.30070	-1.20076	3.70070	↑



Commission de l'énergie de l'Ontario

### **2nd Generation Incentive Regulation Mechanism**

















#### **Instructions**

This worksheet applies the 2009 Federal Tax Rate Adjustment Factor to all general classes.

No input required.

Rate Rebalancing Adjustment

Federal Tax Adjustment General

**Metric Applied To** 

All Customers

**Method of Application** 

Both Uniform%

**Uniform Service Charge Percent** 

Uniform Volumetric Charge Percent

-0.200% kWh -0.200% kW

**Monthly Service Charge** 

<u>Class</u>	<u>Metric</u>	Base Rate	To This Class	% Adjustment	Adj To Bas
Residential	Customer - 12 per year	14.790000	Yes	-0.200% -	0.02958



















This worksheet applies the 2009 Federal Tax Rate Adjustment Factor to all unique classes.

No input required.

Rate Rebalancing Adjustment

Federal Tax Adjustment Unique

**Metric Applied To** 

All Customers

**Method of Application** 

Both Uniform%

**Uniform Service Charge Percent** 

-0.200%

Uniform Volumetric Charge Percent

-0.200% kWh

-0.200% kW

**Monthly Service Charge** 

<u>Class</u>

Metric

Base Rate

**To This Class** 

% Adjustment

Adj To Base

**Volumetric Distribution Charge** 

Class

Metric

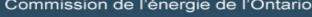
Base Rate

To This Class

% Adjustment

Adj To Base























This worksheet shows the adjustments to Base Rates prior to the application of the Price Cap Index for all general classes.

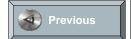
No input required.

#### **Monthly Service Charge**

	Class	Metric	Base Rate	K-factor Adjustment -	Federal Tax Adjustment	Rate ReBal Base
<u>Class</u>		Wetric	Dase Nate	<u>General</u>	<u>General</u>	Nate Nebai base
	Residential	Customer - 12 per year	14.790000	-0.088740	-0.029580	14.671680
	General Service Less Than 50 kW	Customer - 12 per year	31.110000	-0.186660	-0.062220	30.861120
	General Service 50 to 4,999 kW	Customer - 12 per year	189.940000	-1.139640	-0.379880	188.420480
	Large Use	Customer - 12 per year	6,791.340000	-40.748040	-13.582680	6,737.009280
	Unmetered Scattered Load	Connection -12 per year	15.550000	-0.093300	-0.031100	15.425600
	Street Lighting	Connection - 12 per year	0.340000	-0.002040	-0.000680	0.337280

#### **Volumetric Distribution Charge**

Class	<u>Metric</u>	Base Rate	K-factor Adjustment - General	Federal Tax Adjustment General	Rate ReBal Base
Residential	kWh	0.013400	-0.000080	-0.000027	0.013293
General Service Less Than 50 kW	kWh	0.010700	-0.00064	-0.000021	0.010615
General Service 50 to 4,999 kW	kW	3.627500	-0.021765	-0.007255	3.598480
Large Use	kW	2.775500	-0.016653	-0.005551	2.753296
Unmetered Scattered Load	kWh	0.010600	-0.00064	-0.000021	0.010515
Street Lighting	kW	6.873400	-0.041240	-0.013747	6.818413















This worksheet shows the adjustments to Base Rates prior to the application of the Price Cap Index for all unique classes.

No input required.

**Monthly Service Charge** 

Metric Base Rate Class

Unique

K-factor Adjustment - Federal Tax Adjustment Unique

Rate ReBal Base

**Volumetric Distribution Charge** 

<u>Class</u>

Metric Base Rate

<u>Unique</u>

K-factor Adjustment - Federal Tax Adjustment Unique

Rate ReBal Base



This worksheet is a placeholder for the 2009 GDP-IPI amount that will be determine in the beginning of March 2009.

Board staff will make the necessary adjustment to cell C22.

No input required.

Price Escalator (GDP-IPI) Average annual expected Productivity Gain (X) (GDP-IPI) - X

2.1% 1.0% 1.1%

Commission de l'énergie de l'Ontario

## **2nd Generation Incentive Regulation Mechanism**

















#### **Instructions**

This worksheet applies the Price Cap Adjustment from Sheet F1.1 to all general classes.

No input required.

**Price Cap Adjustment** 

Price Cap Adjustment - General

**Metric Applied To** 

All Customers

**Method of Application** 

Both Uniform%

**Uniform Service Charge Percent** 

1.100%

**Uniform Volumetric Charge Percent** 

1.100% **kWh** 1.100% **kW** 

#### **Monthly Service Charge**

<u>Class</u>	<u>Metric</u>	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	Customer - 12 per year	14.671680	Yes	1.100%	0.161388
General Service Less Than 50 kW	Customer - 12 per year	30.861120	Yes	1.100%	0.339472
General Service 50 to 4,999 kW	Customer - 12 per year	188.420480	Yes	1.100%	2.072625
Large Use	Customer - 12 per year	6737.009280	Yes	1.100%	74.107102
Unmetered Scattered Load	Connection -12 per year	15.425600	Yes	1.100%	0.169682
Street Lighting	Connection - 12 per year	0.337280	Yes	1.100%	0.003710

#### **Volumetric Distribution Charge**

<u>Class</u>	<u>Metric</u>	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	kWh	0.013293	Yes	1.100%	0.000146
General Service Less Than 50 kW	kWh	0.010615	Yes	1.100%	0.000117
General Service 50 to 4,999 kW	kW	3.598480	Yes	1.100%	0.039583
Large Use	kW	2.753296	Yes	1.100%	0.030286
Unmetered Scattered Load	kWh	0.010515	Yes	1.100%	0.000116
Street Lighting	kW	6.818413	Yes	1.100%	0.075003



Commission de l'énergie de l'Ontario

### **2nd Generation Incentive Regulation Mechanism**

















#### Instructions

This worksheet applies the Price Cap Adjustment from Sheet F1.1 to all unique classes.

No input required.

**Price Cap Adjustment** 

Price Cap Adjustment - Unique

**Metric Applied To** 

All Customers

**Method of Application** 

Both Uniform%

**Uniform Service Charge Percent** 

**Uniform Volumetric Charge Percent** 

1.100% **kWh** 1.100% **kW** 

**Monthly Service Charge** 

**Class** 

**Metric** 

**Base Rate** 

To This Class

% Adjustment

Adj To Base

**Volumetric Distribution Charge** 

<u>Class</u>

**Metric** 

**Base Rate** 

To This Class

% Adjustment

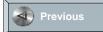
Adj To Base



# Ontario Energy Board Commission de l'énergie de l'Ontario

### **2nd Generation Incentive Regulation Mechanism**















#### Instructions

This worksheet shows the adjustments made to Base Rates after the application of the Price Cap Adjustment to all general classes.

No input required.

#### **Monthly Service Charge**

Class	<u>Metric</u>	Base Rate	Price Cap Adjustment - General	After Price Cape Base
Residential	Customer - 12 per year	<u>14.671680</u>	<u>0.161388</u>	<u>14.833068</u>
General Service Less Than 50 kW	Customer - 12 per year	30.861120	0.339472	<u>31.200592</u>
General Service 50 to 4,999 kW	Customer - 12 per year	188.420480	2.072625	190.493105
Large Use	Customer - 12 per year	6737.009280	74.107102	6811.116382
Unmetered Scattered Load	Connection -12 per year	15.425600	0.169682	15.595282
Street Lighting	Connection - 12 per year	0.337280	0.003710	0.340990

#### **Volumetric Distribution Charge**

Class	<u>Metric</u>	Base Rate	Price Cap Adjustment - General	After Price Cape Base
Residential	kWh	0.013293	0.000146	0.013439
General Service Less Than 50 kW	kWh	0.010615	0.000117	0.010732
General Service 50 to 4,999 kW	kW	3.598480	0.039583	3.638063
Large Use	kW	2.753296	0.030286	2.783582
Unmetered Scattered Load	kWh	0.010515	0.000116	0.010631
Street Lighting	kW	6.818413	0.075003	6.893416

















This worksheet shows the adjustments made to Base Rates after the application of the Price Cap Adjustment to all unique classes.

No input required.

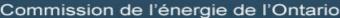
**Monthly Service Charge** 

<u>Class</u>
<u>Metric</u> <u>Base Rate</u>
<u>Price Cap Adjustment -</u>
<u>Unique</u>
<u>After Price Cape Base</u>

**Volumetric Distribution Charge** 

<u>Class</u>
<u>Metric</u> <u>Base Rate</u>
<u>Price Cap Adjustment -</u>
<u>Unique</u>
<u>After Price Cape Base</u>





## 2nd Generation Incentive Regulation Mechanism

















#### Instructions

**Enter your Smart Meter Rate Adder in cell D28.** 

Rate Adder Smart Meters Rate Adder **Applied for Status** Continuing **Metric Applied To** Metered Customers Uniform Service Charge **Method of Application** 

**Uniform Service Charge Amount** 1.000000

Rate Class	Applied to Class	<u>Fixed</u> Amount	Fixed Metric	<u>Vol</u> 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
Large Use	Yes	1.000000	Customer - 12 per year	0.000000	kW

Rate Rider Smart Meter Cost Recovery

Sunset Date

Metric Applied To Metered Customers

Method of Application Uniform Service Charge

Uniform Service Charge Amount 0.000000

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

Rate Rider

Regulatory Asset Recovery

Sunset Date

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	No	0.000000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	No	0.000000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	No	0.000000	Customer - 12 per year	0.000000	kW
Large Use	No	0.000000	Customer - 12 per year	0.000000	kW
Unmetered Scattered Load	No	0.000000	Connection -12 per year	0.000000	kWh
Street Lighting	No	0.000000	Connection - 12 per year	0.000000	kW

Rate Rider

LV Wheeling

Sunset Date

DD/MM/YYYY

Metric Applied To

All Customers

Method of Application Distinct Volumetric

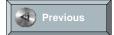
Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	No	0.000000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	No	0.000000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	No	0.000000	Customer - 12 per year	0.000000	kW
Large Use	No	0.000000	Customer - 12 per year	0.000000	kW
Unmetered Scattered Load	No	0.000000	Connection -12 per year	0.000000	kWh
Street Lighting	No	0.000000	Connection - 12 per year	0.000000	kW



# Ontario Energy Board Commission de l'énergie de l'Ontario

### **2nd Generation Incentive Regulation Mechanism**

















#### Instructions

This worksheet shows the derivation of the Final distribution rates for all general classes.

No input required.

#### **Monthly Service Charge**

Class	Metric	Base Rate	Smart Meters Rate Adder	Final Base
Residential	Customer - 12 per year	14.833068	1.000000	15.833068
General Service Less Than 50 kW	Customer - 12 per year	31.200592	1.000000	32.200592
General Service 50 to 4,999 kW	Customer - 12 per year	190.493105	1.000000	191.493105
Large Use	Customer - 12 per year	6,811.116382	1.000000	6,812.116382
Unmetered Scattered Load	Connection -12 per year	15.595282	0.000000	15.595282
Street Lighting	Connection - 12 per year	0.340990	0.000000	0.340990

#### **Volumetric Distribution Charge**

Class	Metric	Base Rate	Smart Meters Rate Adder	Final Base
Residential	kWh	0.013439	0.000000	0.013439
General Service Less Than 50 kW	kWh	0.010732	0.000000	0.010732
General Service 50 to 4,999 kW	kW	3.638063	0.000000	3.638063
Large Use	kW	2.783582	0.000000	2.783582
Unmetered Scattered Load	kWh	0.010631	0.000000	0.010631
Street Lighting	kW	6.893416	0.000000	6.893416

















This worksheet shows the derivation of the Final distribution rates for all unique classes.

No input required.

**Monthly Service Charge** 

<u>Class</u> <u>Metric</u> <u>Base Rate</u> <u>Final Base</u>

**Volumetric Distribution Charge** 

Class Metric Base Rate Final Base

### Ontario Energy Board Commission de l'énergie de l'Ontario **\*\*\***



### **2nd Generation Incentive Regulation Mechanism**

















#### Purpose of this Worksheet:

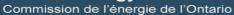
Uniform Transmission rates have changed. This worksheet is a placeholder only at this time.

Method of Application	Uniform Percentage							
Uniform Percentage	11.300%							
Rate Class Residential	Applied to Class Yes							
Rate Description Retail Transmission Rate – Network Service Rate	Vol Metric \$/kWh	Current Amount 0.004500	% Adjustment 11.300%	\$ Adjustment 0.000509	Final Amount 0.005009			
Rate Class General Service Less Than 50 kW	Applied to Class Yes							
Rate Description Retail Transmission Rate – Network Service Rate	Vol Metric \$/kWh	Current Amount 0.004100	% Adjustment 11.300%	\$ Adjustment 0.000463	Final Amount 0.004563			
Rate Class General Service 50 to 4,999 kW	Applied to Class Yes							
Rate Description Retail Transmission Rate – Network Service Rate Retail Transmission Rate – Network Service Rate – Interval metered < 1,000 kW Retail Transmission Rate – Network Service Rate – Interval metered > 1,000 kW	Vol Metric \$/kW \$/kW \$/kW	Current Amount 1.676200 1.780300 1.778100	% Adjustment 11.300% 11.300% 11.300%	\$ Adjustment 0.189411 0.201174 0.200925	Final Amount 1.865611 1.981474 1.979025			
Rate Class <b>Large Use</b>	Applied to Class Yes							
Rate Description Retail Transmission Rate – Network Service Rate	Vol Metric \$/kW	Current Amount 1.971200	% Adjustment 11.300%	\$ Adjustment 0.222746	Final Amount 2.193946			
Rate Class Unmetered Scattered Load	Applied to Class Yes							
Rate Description Retail Transmission Rate – Network Service Rate	Vol Metric \$/kWh	Current Amount 0.004100	% Adjustment 11.300%	\$ Adjustment 0.000463	Final Amount 0.004563			
Rate Class Street Lighting	Applied to Class Yes							
Rate Description Retail Transmission Rate – Network Service Rate	Vol Metric \$/kW	Current Amount 1.264200	% Adjustment 11.300%	\$ Adjustment 0.142855	Final Amount 1.407055			

Method of Application Uniform Percentage

Uniform Percentage 0.000%

### **Ontario Energy Board**



















Purpose of this Worksheet:

Uniform Transmission rates have changed. This worksheet is a placeholder only at this time.

Method of Application

Uniform Percentage

**Uniform Percentage** 

5.500%

Rate Class Residential **Applied to Class** Yes

Rate Description	
Retail Transmission Rate - Line and Transform	nation Connection Service Rate

Vol Metric \$/kWh

0.001800

5.500%

0.000099

0.001899

Rate Class Applied to Class General Service Less Than 50 kW Yes

Rate Description Vol Metric Current Amount % Adjustment \$ Adjustment Final Amount Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh 0.001600 5.500% 0.000088

> Rate Class Applied to Class General Service 50 to 4,999 kW Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.644400	5.500%	0.035442	0.679842
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval metered < 1,000 kW	\$/kW	0.804900	5.500%	0.044270	0.849170
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered > 1,000 kW	\$/kW	0.804000	5.500%	0.044220	0.848220

Rate Class Applied to Class Large Use Yes

Rate Description Vol Metric Current Amount % Adjustment \$ Adjustment Final Amount Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kW 5.500% 0.044424

> Rate Class Applied to Class **Unmetered Scattered Load** Yes

Rate Description Vol Metric Current Amount % Adjustment \$ Adjustment Final Amount Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh 0.001600 5.500% 0.000088 0.001688

Applied to Class Rate Class Street Lighting Yes

Rate Description Vol Metric \$/kW Retail Transmission Rate - Line and Transformation Connection Service Rate

Current Amount % Adjustment \$ Adjustment Final Amount 0.498100 5.500%

0.027396

0.525496

Method of Application

Uniform Percentage

Uniform Percentage

0.000%







#### Rate Class

#### Residential

Rate Description	Metric	Rate
Service Charge	\$	15.83
Distribution Volumetric Rate	\$/kWh	0.0134
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0050
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0019
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## Rate Class General Service Less Than 50 kW

No input required.

Rate Description	Metric	Rate
Service Charge	\$	32.20
Distribution Volumetric Rate	\$/kWh	0.0107
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0046
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0017
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Rate Class

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

Rate Description	Metric	Rate
Service Charge	\$	191.49
Distribution Volumetric Rate	\$/kW	3.6381
Retail Transmission Rate – Network Service Rate	\$/kW	1.8656
Retail Transmission Rate - Network Service Rate - Interval metered < 1,000 kW	\$/kW	1.9815
Retail Transmission Rate – Network Service Rate – Interval metered > 1,000 kW	\$/kW	1.9790
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6798
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval metered < 1,000 kW	\$/kW	0.8492
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval metered > 1,000 kW	\$/kW	0.8482
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

## Rate Class Large Use

Rate Description	Metric	Rate
Service Charge	\$	6,812.12
Distribution Volumetric Rate	\$/kW	2.7836
Retail Transmission Rate – Network Service Rate	\$/kW	2.1939
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8521
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Rate Class

#### Unmetered Scattered Load

Rate Description	Metric	Rate
Service Charge	\$	15.60
Distribution Volumetric Rate	\$/kWh	0.0106
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0046
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0017
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Rate Class

#### Street Lighting

Rate Description	Metric	Rate
Service Charge	\$	0.34
Distribution Volumetric Rate	\$/kW	6.8934
Retail Transmission Rate – Network Service Rate	\$/kW	1.4071
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.5255
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

This worksheet displays the final distribution rates and charges for all unique classes.

No input required.



















Please enter the Total Loss Factors found on your current (Board-Approved) tariff schedule.

Note: Loss Factors must be entered in order for bill impacts to be calculated.

LOSS FACTORS	Current

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0505
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0400
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045





















This worksheet provides a summary of how the monthly service and volumetric charges are calculated for each general

	Fixed	Volumetric
Residential	(\$)	\$/kWh
Current Rates	15.05	0.0134
Less Rate Adders		
Smart Meters Rate Adder	0.26	0.0000
Rate Rebalancing Adj		
K-factor Adjustment - General	-0.09	-0.0001
Federal Tax Adjustment General	-0.03	0.0000
Price Cap Adj		
Price Cap Adjustment - General	0.16	0.0001
Smart Meters Rate Adder	1.00	0.0000
Applied For Rates	15.83	0.0134
	0.00	0.0000

	Fixed	Volumetric
General Service Less Than 50 kW	(\$)	\$/kWh
Current Rates	31.37	0.0107
Less Rate Adders		
Smart Meters Rate Adder	0.26	0.0000
Rate Rebalancing Adj		
K-factor Adjustment - General	-0.19	-0.0001
Federal Tax Adjustment General	-0.06	0.0000
Price Cap Adj		
Price Cap Adjustment - General	0.34	0.0001
Smart Meters Rate Adder	1.00	0.0000
Applied For Rates	32.20	0.0107
	0.00	0.0000

	Fixed	Volumetric
General Service 50 to 4,999 kW	(\$)	\$/kW
Current Rates	190.20	3.6275
Less Rate Adders		
Smart Meters Rate Adder	0.26	0.0000
Rate Rebalancing Adj		
K-factor Adjustment - General	-1.14	-0.0218
Federal Tax Adjustment General	-0.38	-0.0073
Price Cap Adj		
Price Cap Adjustment - General	2.07	0.0396
Smart Meters Rate Adder	1.00	0.0000
Applied For Rates	191.49	3.6381
	0.00	0.0000

	Fixed	Volumetric
Large Use	(\$)	\$/kW
Current Rates	6,791.60	2.7755
Less Rate Adders		
Smart Meters Rate Adder	0.26	0.0000
Rate Rebalancing Adj		
K-factor Adjustment - General	-40.75	-0.0167
Federal Tax Adjustment General	-13.58	-0.0056
Price Cap Adj		
Price Cap Adjustment - General	74.11	0.0303
Smart Meters Rate Adder	1.00	0.0000
Applied For Rates	6,812.12	2.7836
	0.00	0.0000

	Fixed	Volumetric
Unmetered Scattered Load	(\$)	\$/kWh
Current Rates	15.55	0.0106
Less Rate Adders		
Smart Meters Rate Adder	0.00	0.0000
Rate Rebalancing Adj		
K-factor Adjustment - General	-0.09	-0.0001
Federal Tax Adjustment General	-0.03	0.0000
Price Cap Adj		
Price Cap Adjustment - General	0.17	0.0001
Smart Meters Rate Adder	0.00	0.0000
Applied For Rates	15.60	0.0106















This worksheet provides a summary of how the monthly service and volumetric charges are calculated for each general class

0.000 0.0000

	Fixed	Volumetric
Street Lighting	(\$)	\$/kW
Current Rates	0.34	6.8734
Less Rate Adders		
Smart Meters Rate Adder	0.00	0.0000
Rate Rebalancing Adj		
K-factor Adjustment - General	0.00	-0.0412
Federal Tax Adjustment General	0.00	-0.0137
Price Cap Adj		
Price Cap Adjustment - General	0.00	0.0750
Smart Meters Rate Adder	0.00	0.0000
Applied For Rates	0.34	6.8934
	0.00	0.0000

This worksheet sheet provides a summary of how the monthly service and volumetric charges are calculated for each unique class















This worksheet calculates the bill impacts for all general rate classes.

#### General Service Less Than 50 kW

Monthly Rates and Charges	Metric	<b>Current Rate</b>	Applied For Rate
Service Charge	\$	31.37	32.20
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kWh	0.0107	0.0107
Distribution Volumetric Rate Rider(s)	\$/kWh	-	•
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0041	0.0046
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0016	0.0017
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	\$	0.25	0.25

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

Loss Factor 1.0505

	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0560	42.00	750	0.0560	42.00	0.00	0.0%	17.86%
Energy Second Tier (kWh)	1,352	0.0650	87.88	1,352	0.0650	87.88	0.00	0.0%	37.36%
Sub-Total: Energy			129.88			129.88	0.00	0.0%	55.22%
Service Charge	1	31.37	31.37	1	32.20	32.20	0.83	2.6%	13.69%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	2,000	0.0107	21.40	2,000	0.0107	21.40	0.00	0.0%	9.10%
Distribution Volumetric Rate Rider(s)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.0%	0.00%
Total: Distribution			52.77			53.60	0.83	1.6%	22.79%
Retail Transmission Rate – Network Service Rate	2,102	0.0041	8.62	2,102	0.0046	9.67	1.05	12.2%	4.11%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,102	0.0016	3.36	2,102	0.0017	3.57	0.21	6.3%	1.52%
Total: Retail Transmission			11.98			13.24	1.26	10.5%	5.63%
Sub-Total: Delivery (Distribution and Retail Transmission)			64.75			66.84	2.09	3.2%	28.42%
Wholesale Market Service Rate	2,102	0.0052	10.93	2,102	0.0052	10.93	0.00	0.0%	4.65%
Rural Rate Protection Charge	2,102	0.0010	2.10	2,102	0.0010	2.10	0.00	0.0%	0.89%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.11%
Sub-Total: Regulatory			13.28			13.28	0.00	0.0%	5.65%
Debt Retirement Charge (DRC)	2,000	0.00700	14.00	2,000	0.00700	14.00	0.00	0.0%	5.95%
Total Bill before Taxes			221.91			224.00	2.09	0.9%	95.24%
GST	221.91	5%	11.10	224.00	5%	11.20	0.10	0.9%	4.76%
		_	233.01			235.20	2.19	0.9%	100.00%

Data Class Through and Toot										
Rate Class Threshold Test										
General Service Less Than 50 kW	_									
	kWh	1,000		5,000		10,000		15,000		0,000
Loss Factor	Adjusted kWh	1,051		5,253		10,506	1	15,758	2	1,011
	kW									
	Load Factor									
F										
Energy	Applied For Pill	¢ 61 E6	¢.	22460	¢.	676 14	Φ.	1 017 52	Φ.	250.06
	Applied For Bill Current Bill			334.69 334.69	\$	676.14 676.14		1,017.52 1,017.52		1,358.96 1,358.96
	\$ Impact		\$	-	\$	-	\$	-	\$	-
	% Impact	0.0%		0.0%		0.0%		0.0%		0.0%
	% of Total Bill	47.0%		61.1%		63.3%		64.1%		64.5%
<b>B</b> 1 ( 11 ( 1										
Distribution		<b>^</b> 40.00	•	05.70	•	400.00	•	400 70	•	0.40.00
	Applied For Bill Current Bill		\$	85.70 84.87	\$	139.20 138.37	\$	192.70 191.87	\$	246.20 245.37
	\$ Impact		\$	0.83	\$	0.83	\$	0.83	\$	0.83
	% Impact	2.0%		1.0%		0.6%	_	0.4%		0.3%
	% of Total Bill	32.7%		15.7%		13.0%		12.1%		11.7%
Retail Transmission		_								
	Applied For Bill			33.09		66.19	\$	99.28	\$	132.37
	Current Bill \$ Impact			29.94 3.15	\$	59.88 6.31	\$	89.82 9.46	\$	119.77 12.60
	% Impact_	10.5%		10.5%	Ψ	10.5%	Ψ	10.5%	Ψ	10.5%
	% of Total Bill	5.0%		6.0%		6.2%		6.3%		6.3%
Delivery (Distribution and Retail Transmission)										
	Applied For Bill			118.79		205.39	\$	291.98		378.57
	Current Bill \$ Impact			114.81 3.98	\$	198.25 7.14	\$	281.69 10.29	\$	365.14 13.43
	% Impact_	3.0%		3.5%	φ	3.6%	Ψ	3.7%	Ψ	3.7%
	% of Total Bill	37.8%		21.7%		19.2%		18.4%		18.0%
Regulatory										
	Applied For Bill			32.82		65.39	\$	97.95	\$	130.52
	Current Bill \$ Impact		\$	32.82	\$	65.39	\$	97.95	\$	130.52
	% Impact_	0.0%		0.0%	φ	0.0%	Ψ	0.0%	Ψ	0.0%
	% of Total Bill	5.2%		6.0%		6.1%		6.2%		6.2%
Debt Retirement Charge										
	Applied For Bill			35.00		70.00	\$	105.00	\$	140.00
	Current Bill \$ Impact		\$	35.00	\$	70.00	\$	105.00	\$	140.00
	% Impact_	0.0%		0.0%	Φ	0.0%	Φ	0.0%	Φ	0.0%
	% of Total Bill	5.3%		6.4%		6.6%		6.6%		6.6%
GST										
	Applied For Bill			26.07		50.85	\$	75.62	\$	100.40
	Current Bill			25.87 0.20	\$	50.49 0.36	\$	75.11 0.51	\$	99.73 0.67
	\$ Impact_ % Impact	\$ 0.07 1.1%		0.20	Ф	0.36	Ф	0.51	Ф	0.67
	% of Total Bill	4.8%		4.8%		4.8%		4.8%		4.8%
Total Bill										
	Applied For Bill			547.37		1,067.77		1,588.07		2,108.45
	Current Bill		\$	543.19	\$	1,060.27	_	1,577.27		2,094.35
	\$ Impact_ % Impact	\$ 1.53 1.2%	\$	4.18 0.8%	\$	7.50 0.7%	\$	10.80 0.7%	\$	14.10 0.7%
	/o iiiipact	1.270		0.0%		0.776		0.176		0.170

















Enter the following allowances from your current Board-Approved Tariff Schedule

Allowances

Transformer Allowance for Ownership - per kW of billing demand/month

Primary Metering Allowance for transformer losses - applied to measured demand and energy

% -1.0



Customer Administration	Madria	0
	<u>Metric</u>	Current
Easement letter	\$	15.00
Notification charge	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	œ.	

Non-Payment of Account	Metric	Current
Late Payment - per month	%	1.5%
Late Payment - per annum	%	19.56%
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	185.00
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	

Other	Metric	Current
Specific Charge for Access to the Power Poles \$/pole/year	\$	22.35
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	



















This worksheet displays your current Board-Approved Retail Service Charges.

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	<u>Metric</u>	Current
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer Monthly Fixed Charge, per retailer Monthly Variable Charge, per customer, per retailer Distributor-consolidated billing charge, per customer, per retailer Retailer-consolidated billing credit, per customer, per retailer	\$ \$/cust. \$/cust. \$/cust.	100.00 20.00 0.50 0.30 - 0.30
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party Processing fee, per request, applied to the requesting party	\$ \$	0.25 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 More than twice a year, per request (plus incremental delivery costs)	\$	no charge 2.00
mere than three a year, per request (plus meremental asmer) esses)	<b>Y</b>	2.00

WATERLOO NORTH HYDRO INC. EB-2008-0216

#### Residential

Monthly Rates and Charges	Metric	<b>Current Rate</b>	Applied For Rate
Service Charge	\$	15.05	15.83
Service Charge Rate Rider(s)	\$	-	
Distribution Volumetric Rate	\$/kWh	0.0134	0.0134
Distribution Volumetric Rate Rider(s)	\$/kWh	-	
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0045	0.0050
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0018	0.0019
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	\$	0.25	0.25

Consumption	1,000	kWh	0 kW
RPP Tier One	600	kWh	Load Factor

Loss Factor 1.0505

	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	600	0.0560	33.60	600	0.0560	33.60	0.00	0.0%	28.27%
Energy Second Tier (kWh)	451	0.0650	29.32	451	0.0650	29.32	0.00	0.0%	24.67%
Sub-Total: Energy			62.92			62.92	0.00	0.0%	52.95%
Service Charge	1	15.05	15.05	1	15.83	15.83	0.78	5.2%	13.32%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	1,000	0.0134	13.40	1,000	0.0134	13.40	0.00	0.0%	11.28%
Distribution Volumetric Rate Rider(s)	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	0.0%	0.00%
Total: Distribution			28.45			29.23	0.78	2.7%	24.60%
Retail Transmission Rate – Network Service Rate	1,051	0.0045	4.73	1,051	0.0050	5.26	0.53	11.2%	4.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,051	0.0018	1.89	1,051	0.0019	2.00	0.11	5.8%	1.68%
Total: Retail Transmission			6.62			7.26	0.64	9.7%	6.11%
Sub-Total: Delivery (Distribution and Retail Transmission)			35.07			36.49	1.42	4.0%	30.71%
Wholesale Market Service Rate	1,051	0.0052	5.47	1,051	0.0052	5.47	0.00	0.0%	4.60%
Rural Rate Protection Charge	1,051	0.0010	1.05	1,051	0.0010	1.05	0.00	0.0%	0.88%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.21%
Sub-Total: Regulatory			6.77			6.77	0.00	0.0%	5.70%
Debt Retirement Charge (DRC)	1,000	0.00700	7.00	1,000	0.00700	7.00	0.00	0.0%	5.89%
Total Bill before Taxes			111.76			113.18	1.42	1.3%	95.24%
GST	111.76	5%	5.59	113.18	5%	5.66	0.07	1.3%	4.76%
			117.35			118.84	1.49	1.3%	100.00%

WATERLOO NORTH HYDRO INC. EB-2008-0216

Data Olasa Thurshald Tast									
Rate Class Threshold Test									
Residential									
	Wh	250		600	1,000			000	2,250
Loss Factor Adjusted k		263		631	1,051		1,6	81	2,364
	kW								
Load Fac	ctor								
Energy									
Applied Fo	or Bill	\$ 14 73	\$	35.61	\$	62.91	\$10	3.86	\$148.26
		\$ 14.73	\$		\$	62.91		3.86	\$148.26
	npact		\$		\$	-	\$	-	\$ -
	npact	0.0%		0.0%		0.0%		0.0%	0.0%
% of Total	al Bill	35.6%		47.0%		52.9%	5	6.7%	58.5%
Distribution									
Applied Fo	or Dill	¢ 10.10	\$	23.87	\$	29.23	\$ 3	7 27	\$ 45.98
		\$ 18.40	\$		\$	28.45		6.49	\$ 45.20
	npact :		\$		\$	0.78		0.78	\$ 0.78
	npact	4.2%		3.4%		2.7%		2.1%	1.7%
% of Total	al Bill	46.4%		31.5%		24.6%	2	0.3%	18.2%
Retail Transmission	Dill (	r 404	ф.	4.05	•	7.05	r 1	4 50	£ 40.04
Applied Fo	nt Bill		\$		\$ \$	7.25 6.62	\$ 1 \$ 1	0.59	\$ 16.31 \$ 14.90
	npact :		\$		\$	0.63		1.00	\$ 1.41
	npact	9.7%		9.3%	*	9.5%		9.4%	9.5%
% of Total	al Bill	4.4%		5.7%		6.1%		6.3%	6.4%
Delivery (Distribution and Retail Transmission)							<u>.</u>		
Applied Fo			\$		\$ \$	36.48	\$ 4		\$ 62.29
	npact :	\$ 20.05 \$ 0.94	\$		\$	35.07 1.41	\$ 4	1.78	\$ 60.10 \$ 2.19
	npact_	4.7%	Ψ	4.2%	Ψ	4.0%		3.8%	3.6%
% of Total		50.8%		37.2%		30.7%		6.7%	24.6%
Regulatory					_				
Applied Fo					\$	6.77	\$ 1		\$ 14.90
	nt Bill <u>:</u>		\$	4.16	\$ \$	6.77	\$ 1 \$	0.67	\$ 14.90
	npact_	0.0%	Ψ	0.0%	Ψ	0.0%		0.0%	0.0%
% of Total		4.5%		5.5%		5.7%		5.8%	5.9%
Debt Retirement Charge									
Applied Fo			\$		\$	7.00	\$ 1		\$ 15.75
	nt Bill _: npact :		\$		\$ \$	7.00	\$ 1 \$	1.20	\$ 15.75 \$ -
	npact_	0.0%	Ψ	0.0%	Ψ	0.0%		0.0%	0.0%
% of Total		4.2%		5.5%		5.9%		6.1%	6.2%
GST									
Applied Fo			\$		\$	5.66		8.73	\$ 12.06
	nt Bill <u>:</u> npact :		\$		\$ \$	5.59 0.07		8.64 0.09	\$ 11.95 \$ 0.11
	npact_	2.6%	Φ	1.7%	<del>D</del>	1.3%		1.0%	0.9%
% of Tota		4.8%		4.8%		4.8%		4.8%	4.8%
,,,,,,,		- / -				- /-			
Total Bill									
Applied Fo					\$	118.82		3.32	\$253.26
		\$ 40.33	\$		\$	117.34	\$18		\$250.96
	npact :	\$ 0.99 2.5%	\$	1.21 1.6%	\$	1.48		1.87 1.0%	\$ 2.30 0.9%
76 III	ιιρασι	2.0%		1.0%		1.5%		1.0/0	0.5%

#### **MONTHLY RATES AND CHARGES - General**

## Rate Class Residential

Rate Description	<u>Metric</u>	Rate
Service Charge	\$	15.05
Distribution Volumetric Rate	\$/kWh	0.0134
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0045
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0018
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Rate Class

#### General Service Less Than 50 kW

Rate Description	Metric	Rate
Service Charge	\$	31.37
Distribution Volumetric Rate	\$/kWh	0.0107
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0041
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0016
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Rate Class

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

Rate Description	Metric	Rate
Service Charge	\$	190.20
Distribution Volumetric Rate	\$/kW	3.6275
Retail Transmission Rate – Network Service Rate	\$/kW	1.6762
Retail Transmission Rate – Network Service Rate – Interval metered < 1,000 kW	\$/kW	1.7803
Retail Transmission Rate – Network Service Rate – Interval metered > 1,000 kW	\$/kW	1.7781
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6444
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered < 1,000 kW	\$/kW	0.8049
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered > 1,000 kW	\$/kW	0.8040
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Rate Class

#### Large Use

Rate Description	Metric	Rate
Service Charge	\$	6,791.60
Distribution Volumetric Rate	\$/kW	2.7755
Retail Transmission Rate – Network Service Rate	\$/kW	1.9712
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8077
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

22.35

#### Rate Class

#### **Unmetered Scattered Load**

Rate Description	Metric	Rate
Service Charge (per connection)	\$	15.55
Distribution Volumetric Rate	\$/kWh	0.0106
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0041
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0016
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Rate Class

#### **Street Lighting**

Rate Description	Metric	Rate
Service Charge (per connection)	\$	0.34
Distribution Volumetric Rate	\$/kW	6.8734
Retail Transmission Rate – Network Service Rate	\$/kW	1.2642
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.4981
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Specific Service Charges

Specific Charge for Access to the Power Poles \$/pole/year

opeomo del vide onaligeo		
Customer Administration	<b>Metric</b>	Current
Easement letter	\$	15.00
Notification charge	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
Non-Payment of Account	Metric	Current
Late Payment - per month	%	1.5%
Late Payment - per annum	%	19.56%
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	185.00
Other	Metric	Current

Allowances	<u>Metric</u>	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	0/.	1.0

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	<u>Metric</u>	Current
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	<u>Current</u>
Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0505
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0400
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045