

# Waterloo North Hydro Inc. Distribution Rate Adjustment Application

## SUMMARY OF APPLICATION

### EB-2009-0210 / 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, 2010 Distribution Rate Adjustments, issued August 24, 2009, September 4, 2009 and October 2, 2009.

#### 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, 2010 Distribution Rate Adjustments and PILs, issued August 24, 2009, September 4, 2009 and October 2, 2009.
- 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 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 based on its Rate Base and Distribution Expenses, 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.

- 1.4 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.
- 1.5 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].
- 1.6 Waterloo North Hydro received Board approval on March 11, 2009 for rate adjustments, 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, and its associated 2009 PILs [EB-2007-0829].
- 1.7 In this filing, Waterloo North Hydro is seeking approval for rate adjustments, to be effective and implemented May 1, 2010, 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 2010 PILs, Deferral Account Rate Riders, Low Voltage Volumetric Rates and adjustment to Retail Transmission Service Rates, as provided in the Board’s August 24, 2009, September 4, 2009 and October 2, 2009 filing guidelines.

#### **1.0b Company Size and Number of Customers**

- 1.8 Waterloo North Hydro is a municipally owned electric distribution company. Waterloo North Hydro serves approximately 51,000 residential, commercial, and industrial customers in the City of Waterloo and the Townships of Wellesley and Woolwich.

## 1.0c Customer Profile

- 1.9 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.
- 1.10 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.
- 1.11 The General Service > 50 kW class is typically comprised of large commercial and industrial customers.
- 1.12 The Large Use class consists of two large use customers with an average load over five megawatts per service location.
- 1.13 The Street Light class contributes less than 1% to the Company's current distribution revenue. This class is included in the 2010 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, except for the discussion of Deferral Account Rate Rider in Section 2.9 below.
- 1.14 The Unmetered Scattered Load class contributes less than 1% to the Company's current distribution revenue. This class is included in the 2010 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, except for the discussion of Deferral Account Rate Rider in Section 2.9 below.

## **1.0d Previously Denied Amounts**

1.15 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 2009 EDR Tariff Sheet as Approved by the Board**

Waterloo North Hydro has inserted in the 2010 IRM model its approved 2009 rates, including the 2009 Smart Meter Funding increment, as approved by the Board on March 11, 2009.

### **2.2 Price Cap Adjustment**

Waterloo North Hydro has used the model proxy value of 2.3% as the Price Escalator (GDP-IPI) as prescribed in the 2010 IRM Model. Waterloo North Hydro understands that the Board will adjust the inflation index in our 2010 IRM rate application model, when Statistics Canada publishes its final 2009 data in late February, 2010.

### **2.3 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.

## 2.3 Smart Meter Funding Adder - continued

Waterloo North Hydro received Board approval for a monthly smart meter funding adder in the amount of \$1.00 per month per metered customer in its 2009 IRM Rate Decision. Waterloo North Hydro proposes to maintain the \$1.00 monthly smart meter funding adder for 2010. The proposed adjusted smart meter adder is reflected in Sheet J1.1 of the IRM model.

WNH estimates that the number of smart meters to be installed to be approximately 49,000 by the end of 2010, with approximately one-fifth of these having been installed to date.

WNH has an estimate of a total cost of \$9.2m in smart meter expenditures in 2009 and 2010. This 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.

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.

## 2.4 Federal Tax Adjustment and OCT Tax Adjustment

Waterloo North Hydro has included in Sheet D2.1 the model calculated rate impact of a decrease of .4% which reflects the decrease in the federal tax rate effective January 1, 2010. Waterloo North Hydro has included in Sheet D3.1 the model calculated rate impact of a decrease of .573% which reflects the decrease in the OCT tax rate effective January 1, 2010 and the cessation of the OCT tax on July 1, 2010.

## 2.5 K-Factor Adjustment

Waterloo North Hydro has included in Sheet D1.1 the model calculated rate impact of a decrease of .6% which reflects the final adjustment for the three year capital structure transition to a deemed 60% Debt and 40% Equity.

## 2.6 Retail Transmission Service Rate Adjustments

Further to the Board's Decision in the EB-2008-0272 proceeding, Adjustment of Hydro One Network Inc.'s Retail Transmission Service Rates effective July 1, 2009 and the OEB's Chapter 3 Filing Instructions of July 22, 2009, Waterloo North Hydro has adjusted its rates as reflected in Table 1 below:

**Table 1 – Retail Transmission Service Rate Adjustments**

Network			Connection		
Current Effective Jan 1/09 EB-2008-0113	Approved Effective July 1/09 EB-2008-0272	Increase	Current Effective Jan 1/09 EB-2008-0113	Approved Effective July 1/09 EB-2008-0272	Decrease
\$2.57	\$2.66	\$ .09	\$2.32	\$2.27	( \$.05)
		3.5%			(2.2%)

## **2.7 Low Voltage Volumetric Rate**

Waterloo North Hydro has included Low Voltage Cost Recovery in its rates since May 1, 2006 and has reflected the increase of subsequent price caps adjustment in its records. Waterloo North Hydro proposes to continue its low voltage cost recovery at its current level and has included in Sheet J3.1 the model calculated Low Voltage Volumetric Rates.

## **2.8 Distribution Volumetric Deferral Account Rate Rider**

Waterloo North Hydro has exceeded the disposition threshold of \$.001/kWh of its Group 1 Account Deferral and Variance Account Balances as reflected in Sheet D1.1 in its Deferral and Variance Account Workform. Waterloo North Hydro has, thus, included a Request for Clearance of Deferral and Variance Accounts in Sheet F1.2 of its Deferral and Variance Workform and included its proposed rate riders in Sheet J2.1 of its 2010 IRM Filing Model.

The Group 1 Account Balances include the Low Voltage Variance Account; the RSVA Accounts - Wholesale Market Service Charge, Retail Transmission Network Charge, Retail Transmission Connection Charge, Power, Global Adjustment; and Recovery of Regulatory Asset Balances. The Low Voltage Variance and Recovery of Regulatory Asset Balances Accounts capture the variances from May 1, 2006 through December 31, 2008; the RSVA accounts capture the variances from January 1, 2005 through December 31, 2008.

Waterloo North Hydro has complied with the Board's instructions on October 2, 2009 on the treatment of 2006 Regulatory Asset Transactions.

Waterloo North Hydro notes that it has inserted into Sheet J2.1 the proposed Volumetric Deferral Account Rate Rider to four (4) decimal places only in order to accommodate our billing system specifications.

## **2.8 Distribution Volumetric Deferral Account Rate Rider - continued**

Waterloo North Hydro is proposing a four year disposition period in its repayment of its Group 1 Deferral and Variance Account Balances. Waterloo North Hydro has chosen this disposition period to protect its customers from rate shock that would occur if the entire balance was disposed of during one rate year. If disposition occurred over one rate year, customers would appreciate the large decrease the first year, however, they would be subsequently shocked to see such a large increase the following year. Waterloo North Hydro has chosen four years in order to minimize rate shock, afford its customers lower rates for four years than they would otherwise have, and reflect the number of years over which the majority of the balances were accumulated.

Waterloo North Hydro has calculated below the Distribution Rate Impacts on its customers comparing the disposition of its deferral and variance accounts over a one year period and a four year period, as reflected in Table 2 below. Waterloo North Hydro does note that disposition over a four year period still affords our customers a considerable decrease in distribution charges.



## 2.8 Distribution Volumetric Deferral Account Rate Rider - continued

**Table 2 – Range of Decrease in Distribution Charges,  
One Year vs. Four Year Disposition**

Class	Range of Decrease in % of Distribution Charges with One Year Disposition	Range of Decrease in % of Distribution Charges with Four Year Disposition
<b>Residential</b> (250 - 2,250 kWh)	( 13.9%) – ( 51.5%)	( 3.7%) – (12.8%)
<b>General Service &lt;50 kW</b> (1,000 - 20,000 kWh)	( 24.7%) – ( 85.4%)	( 6.3%) – (21.2%)
<b>General Service &gt;50 kW</b> (20,000 kWh/50 kW–2,006,000 kWh/5,000 kW)	( 53.6%) – ( 108.6%)	(13.6%) – (27.4%)
<b>Large User</b> (2,600,000 kWh/5,000 kW – 26,000,000 kWh/50,000 kW)	( 118.8%) – ( 168.5%)	(29.9%) – (42.3%)
<b>Unmetered Scattered Load</b> (500 – 20,000 kWh)	( 26.1%) – ( 94.9%)	( 6.7%) – (23.8%)
<b>Street Lighting</b> (37 kWh/.10 kW – 183 kWh/.50 kW)	( 38.8%) – ( 51.6%)	(10.7%) – (13.2%)

Waterloo North Hydro also notes that in the following classes, the one year disposition rate rider would exceed the proposed Distribution Volumetric Charge as reflected in Table 3 below:

**Table 3 – Comparison of One Year Deferral and Variance Rate Rider to Proposed Distribution Volumetric Rate**

Class	Deferral and Variance Rate Rider One Year Disposition	Proposed Distribution Volumetric Charge
<b>General Service &gt;50 kW (kW)</b>	(\$3.9750)	\$3.5919
<b>Large User (kW)</b>	(\$4.9050)	\$2.7339
<b>Unmetered Scattered Load (kWh)</b>	(\$0.0108)	\$0.0105

### 3.0 Rate Impacts/Mitigation

The following chart indicates the current and proposed distribution rates calculated as per the 2010 IRM Model:

**Table 4 – Current and Proposed Distribution Rates**

Class	Current Rates: Service Charge (Less Smart Meter Adder)/ Volumetric Charge (Less Low Voltage)	Proposed Rates: Service Charge/ Volumetric Charge	\$ Increase (Decrease) in Distribution Charge	% Increase (Decrease) in Distribution Charge
Residential	\$ 14.81 \$ .0133	\$ 14.77 \$ .0133	(\$ .04) \$ .0000	(0.3%) 0.0%
Gen. Service < 50 kW (kWh)	\$ 31.15 \$ .0106	\$ 31.06 \$ .0106	(\$ .09) \$ .0000	(0.3%) 0.0%
Gen. Service > 50 kW (kW)	\$ 190.20 \$ 3.6025	\$ 189.64 \$ 3.5919	(\$ .56) (\$ .0106)	(0.3%) (0.3%)
Large User (kW)	\$ 6,800.66 \$ 2.7419	\$6,780.70 \$ 2.7339	(\$ 19.96) (\$ .0080)	(0.3%) (0.3%)

The impact of the distribution rate changes reflects a proposed .30% decrease to the rate classes. The Smart Meter Funding Adder, Low Voltage Volumetric Charge and Deferral Account Variance Rate Rider have not been included in Table 4 above. The .3% decrease is derived from the Total Price Cap Adjustment of the Proxy Price Escalator (GDP-IPI) of 2.3%, reduced by the Average Annual Expected Productivity Gain (X) of (1.0%), the K Factor Adjustment of (.6%) and the Federal Tax Adjustment of (.4%) and the OCT Tax Adjustment of (.573%).

### 3.1 Rate Impacts/Mitigation on Total Bill

Table 5 below reflects 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. The figures contained in Table 5 reflect the disposition of the deferral and variance rate rider over a four year period.

**Table 5 – Total Bill Comparison 2009 and 2010 Bills**

Class	2009 Bill	2010 Bill	\$ Increase (Decrease)	% Increase (Decrease)
Residential (800 kWh)	\$ 98.45	\$ 96.39	(\$ 2.06)	( 2.1%)
Gen. Service < 50 kW (2,000 kWh)	\$ 238.01	\$ 232.90	(\$ 5.11)	( 2.1%)
Gen. Service > 50 kW (100,000 kWh/250kW)	\$ 10,547.66	\$ 10,296.65	(\$ 251.01)	( 2.4%)
Large User (2,600,000 kWh / 5,000 kW)	\$262,669.74	\$256,475.31	(\$ 6,194.43)	( 2.4%)

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 change from current rates, and the respective dollar amount of the impact. Providing both the dollar impact and the percentage change puts the decrease in the proper context. Waterloo North Hydro used both percentages and dollar amounts to demonstrate relative impacts. As indicated above there is a decrease of (2.1%) to (2.4%) 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

Table 6 below is Waterloo North Hydro's proposed Distribution Rates for the Board's approval based on the 2010 IRM Model. The Smart Meter Funding Adder, Low Voltage Volumetric Charge and Deferral Account Variance Rate Rider have not been included in Table 6 below. A full listing of the proposed rates is reflected in the Applied for Tariff Sheet on Sheet N1.1 of the IRM Model.

**Table 6 – Proposed Rate Schedule**

Classification	Rate
<b>RESIDENTIAL</b>	
Monthly Service Charge	\$ 14.77
Distribution Volumetric Rate (per kWh)	\$ .0133
<b>GENERAL SERVICE &lt; 50kW</b>	
Monthly Service Charge	\$ 31.06
Distribution Volumetric Rate (per kWh)	\$ .0106
<b>GENERAL SERVICE &gt; 50kW (Non Time of Use)</b>	
Monthly Service Charge	\$ 189.64
Distribution Volumetric Rate (per kW)	\$ 3.5919
<b>LARGE USER</b>	
Monthly Service Charge	\$ 6,780.70
Distribution Volumetric Rate (per kW)	\$ 2.7339
<b>STREET LIGHTING</b>	
Monthly Service Charge	\$ 0.34
Distribution Volumetric Rate (per kW)	\$ 6.8399
<b>GENERAL SERVICE Unmetered Scattered Load</b>	
Monthly Service Charge	\$ 15.52
Distribution Volumetric Rate (per kWh)	\$ .0105

Waterloo North Hydro proposes to implement the new rates as of May 1, 2010. Waterloo North Hydro will prorate the customers' bills in order that consumption prior to May 1, 2010 will be billed at its current rates and post May 1, 2010 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 20th day of October 2009.

*Original signed by*

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



Name of LDC: Waterloo North Hydro Inc.  
File Number: EB-2009-0210  
Effective Date: Saturday, May 01, 2010

## LDC Information

Applicant Name	Waterloo North Hydro Inc.
Application Type	IRM2
OEB Application Number	EB-2009-0210
Tariff Effective Date	May 1, 2010
LDC Licence Number	ED-2002-0575
DRC Rate	0.00700
Customer Bills	12 per year
Distribution Demand Bill Determinant	kW

### Contact Information

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## Current and Applied For Rate Classes General

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	kWh
LU	Large Use	Customer - 12 per year	kWh
USL	Unmetered Scattered Load	Connection - 12 per year	kWh
SL	Street Lighting	Connection - 12 per year	kWh
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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## Current Smart Meter Funding Adder

Rate Adder	Smart Meters
Tariff Sheet Disclosure	No
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	1.000000

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
Large Use	Yes	1.000000	Customer - 12 per year	0.000000	kW



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## Current Low Voltage Volumetric Rate

Rate Description	Low Voltage Volumetric Rate
Select Tariff Sheet Disclosure	No - Embedded in Vol Rate
Metric Applied To	All Customers
Method of Application	Distinct Volumetric
Select Type of Re-Basing	2006 EDR
Price Cap Index Applied	1.033360

Rate Class		Re-Based Low Voltage	Applied PCI	Current Low Voltage
Residential	kWh	0.000100	1.033360	0.000100
General Service Less Than 50 kW	kWh	0.000100	1.033360	0.000100
General Service 50 to 4,999 kW	kW	0.029000	1.033360	0.030000
Large Use	kW	0.036200	1.033360	0.037400
Unmetered Scattered Load	kWh	0.000100	1.033360	0.000100
Street Lighting	kW	0.022100	1.033360	0.022800



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## Current Rates and Charges General

Rate Class

### Residential

Rate Description	Metric	Rate
Service Charge	\$	15.81
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	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

### General Service Less Than 50 kW

Rate Description	Metric	Rate
Service Charge	\$	32.15
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	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

### General Service 50 to 4,999 kW

Rate Description	Metric	Rate
Service Charge	\$	191.20
Distribution Volumetric Rate	\$/kW	3.6325
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	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



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## Current Rates and Charges General

Rate Class

### Large Use

Rate Description	Metric	Rate
Service Charge	\$	6,801.66
Distribution Volumetric Rate	\$/kW	2.7793
	\$/kW	
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	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

### Unmetered Scattered Load

Rate Description	Metric	Rate
Service Charge (per connection)	\$	15.57
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	0.0013
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	6.8828
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	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



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## Base Distribution Rates General

### Service Charge

Class	Metric	Current Rates	Smart Meters	Current Low Voltage	Current Base Rates
Residential	Customer - 12 per year	15.810000	-1.000000	0.000000	14.810000
General Service Less Than 50 kW	Customer - 12 per year	32.150000	-1.000000	0.000000	31.150000
General Service 50 to 4,999 kW	Customer - 12 per year	191.200000	-1.000000	0.000000	190.200000
Large Use	Customer - 12 per year	6,801.660000	-1.000000	0.000000	6,800.660000
Unmetered Scattered Load	Connection -12 per year	15.570000	0.000000	0.000000	15.570000
Street Lighting	Connection - 12 per year	0.340000	0.000000	0.000000	0.340000

### Distribution Volumetric Rate

Class	Metric	Current Rates	Smart Meters	Current Low Voltage	Current Base Rates
Residential	kWh	0.013400	0.000000	-0.000100	0.013300
General Service Less Than 50 kW	kWh	0.010700	0.000000	-0.000100	0.010600
General Service 50 to 4,999 kW	kWh	3.632500	0.000000	-0.030000	3.602500
Large Use	kWh	2.779300	0.000000	-0.037400	2.741900
Unmetered Scattered Load	kWh	0.010600	0.000000	-0.000100	0.010500
Street Lighting	kWh	6.882800	0.000000	-0.022800	6.860000



Name of LDC: **Waterloo North Hydro Inc.**  
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## K-Factor Adjustment Worksheet

### Capital Structure Transition

#### Size of Utility (Rate Base)

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

### Cost of Capital parameters

ROE	A	9.00%	(Board Approved 2006 EDR Model, Sheet 3-2, Cell E32)
Debt Rate	B	6.28%	(Board Approved 2006 EDR Model, Sheet 3-2, Cell C25)
Rate Base	C	\$ 97,659,868	(Board Approved 2006 EDR Model, Sheet 3-1, Cell F21)
Size of Utility	D	Small	

### Deemed Capital Structure

	Debt	Equity		
2006	E1	50.0%	E2	Based on C, copies the deemed D/E from row "2007" of the table
2008	F1	53.3%	F2	Based on C, copies the deemed D/E from row "2008" of the table
2009	F1.2	56.7%	F2.2	Based on C, copies the deemed D/E from row "2009" of the table
2010	F1.3	60.0%	F2.3	Based on C, copies the deemed D/E from row "2010" of the table

### Cost of Capital

				Weighted Average Cost of capital
2006	G	7.64%	=(E1 X B) + (E2 X A)	
2008	H	7.55%	=(F1 X B) + (F2 X A)	
2009	H1	7.46%	=(F1.2 X B) + (F2.2 X A)	
2010	H2	7.37%	=(F1.3 X B) + (F2.3 X A)	

### Return on Rate Base

2006	I	\$ 7,461,213.92	= C X G / 100
2008	J	\$ 7,373,554.42	= C X H / 100
2009	J1	\$ 7,283,238.57	= C X H1 / 100
2010	J2	\$ 7,195,579.07	= C X H2 / 100

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

Distribution Expenses (other than PILs)	K	\$ 14,228,719	(Board Approved 2006 EDR Model, Sheet 4-1, Cell F15)
Base Revenue Requirement	L	\$ 23,716,999	(Board Approved 2006 EDR Model, Sheet 5-5, Cell F27)
Transformer Allowance Credit	M	\$ 744,464	(Board Approved 2006 EDR Model, Sheet 6-3, Cell "Total" in Row R120)

### Revenue Requirement (before PILs)

2006	N	\$ 21,689,932.92	= J + K
2008	O	\$ 21,602,273.42	= J + K
2009	O2	\$ 21,511,957.57	= J1 + K
2010	O3	\$ 21,424,298.07	= J2 + K

### Target Net Income (EBIT)

2006	\$ 4,394,694.06	P1 = I - P2
2008	\$ 4,104,644.25	Q1 = J - Q2
2009	\$ 3,805,805.06	Q1.2 = J1 - Q2.2
2010	\$ 3,515,755.25	Q1.3 = J2 - Q2.3

### Interest Expense

2006	\$ 3,066,519.86	P2 = C X (B X E1 / 100)
2008	\$ 3,269,910.17	Q2 = C X (B X F1 / 100)
2009	\$ 3,477,433.52	Q2.2 = C X (B X F1.2 / 100)
2010	\$ 3,679,823.83	Q2.3 = C X (B X F1.3 / 100)

### PILs

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

Large Corporation Tax Allowance (if applicable) - grossed up \$ 8,722 S (Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D31)

OCT (Rate Base less \$10,000,000 X 0.30%) \$ 295,387 T (Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D30)

PILs Allowance \$ 3,030,475 U (Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D33)

Taxable Income 2006 \$ 4,821,713 AC (Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D11)  
 2008 \$ 4,716,947 AD = AC + (Q1 - P1) \* (R / 100)  
 2009 \$ 4,609,006 AD1 = AC + (Q1.2 - P1) \* (R / 100)  
 2010 \$ 4,504,240 AD2 = AC + (Q1.3 - P1) \* (R / 100)

Federal Tax (grossed up) 2006 \$ 2,728,368 V = AC \* (R / 100) / (1 - R / 100)  
 2008 \$ 2,667,128 W = AD \* (R / 100) / (1 - R / 100)  
 2009 \$ 2,606,084 W1 = AD1 \* (R / 100) / (1 - R / 100)  
 2010 \$ 2,546,856 W2 = AD2 \* (R / 100) / (1 - R / 100)

### Base Revenue Requirement Adjustment (including PILs)

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

2006	\$ 24,711,686.13	X	= N + V + T
2008	\$ 24,564,788.25	Y	= O + W + T
2009	\$ 24,413,438.92	Y2	= O2 + W + T
2010	\$ 24,266,541.05	Y3	= O3 + W + T

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

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

2006	\$ 24,461,463.00	Z	= L + M
2008	\$ 24,314,565.12	AA1	= Z + (Y - X)
2009	\$ 24,163,215.80	AA1.2	= Z + (Y2 - X)
2010	\$ 24,016,317.92	AA1.3	= Z + (Y3 - X)
Difference	2008	\$ 146,897.88	AA2 = AA1 - Z
	2009	\$ 151,349.33	AA2.2 = AA1.2 - AA1
	2010	\$ 146,897.88	AA2.3 = AA1.3 - AA1.2

### K-factor

2008	-0.6%	AB	= AA2 / Z
2009	-0.6%	AC	= AA2.2 / AA1
2010	-0.6%	AC	= AA2.3 / AA1.2



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## K-Factor Adjustment To Rates

Rate Rebalancing Adjustment	K-Factor Adjust to Rates		
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	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	Customer - 12 per year	14.810000	Yes	-0.600%	0.088860
General Service Less Than 50 kW	Customer - 12 per year	31.150000	Yes	-0.600%	0.186900
General Service 50 to 4,999 kW	Customer - 12 per year	190.200000	Yes	-0.600%	1.141200
Large Use	Customer - 12 per year	6800.660000	Yes	-0.600%	40.803960
Unmetered Scattered Load	Connection - 12 per year	15.570000	Yes	-0.600%	0.093420
Street Lighting	Connection - 12 per year	0.340000	Yes	-0.600%	0.002040

### Volumetric Distribution Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	kWh	0.013300	Yes	-0.600%	0.000080
General Service Less Than 50 kW	kWh	0.010600	Yes	-0.600%	0.000064
General Service 50 to 4,999 kW	kW	3.602500	Yes	-0.600%	0.021615
Large Use	kW	2.741900	Yes	-0.600%	0.016451
Unmetered Scattered Load	kWh	0.010500	Yes	-0.600%	0.000063
Street Lighting	kW	6.860000	Yes	-0.600%	0.041160





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## PILs Adjustment Worksheet

	2006		2008	2008 Adjustment	2009	2009 Adjustment	2010	2010 Adjustment	
<b>From 2006 PIL's Model</b>									
2006 Regulatory Taxable Income <i>(K-Factor Cell H93)</i>	4,821,713	A	4,821,713		4,821,713		4,821,713		
2006 Corporate Income Tax Rate <i>(K-Factor Cell E85)</i>	36.12%	B	33.50%		33.00%		32.00%		
Corporate PILs/Income Tax Provision for Test Year	1,741,603	C = A * B	1,615,274		1,591,165		1,542,948		
Income Tax (grossed-up)	2,726,366	D = C / (1 - B)	2,428,983	-297,383	2,374,874	-54,110	2,269,041	-105,832	<b>2010 Amount to be adjusted</b>
<b>From 2006 EDR Model</b>									
2006 EDR Base Revenue Requirement From Distribution Rates <i>(K-Factor Cell E114)</i>	24,461,463	E	24,461,463		24,461,463		24,461,463		
Grossed up taxes as a % of Revenue Requirement	11.100%	F = D / E	9.900%	-1.200%	9.700%	-0.200%	9.300%	-0.400%	
									<b>2010 Federal Tax Rate Adjustment Factor</b>



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## PILs Adjustment to Rates

Rate Rebalancing Adjustment	PILs Adjustment To Rates	
Metric Applied To	All Customers	
Method of Application	Both Uniform%	
Uniform Service Charge Percent	-0.400%	Uniform Volumetric Charge Percent
		-0.400% kWh -0.400% kW

### Monthly Service Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	Customer - 12 per year	14.810000	Yes	-0.400%	0.059240
General Service Less Than 50 kW	Customer - 12 per year	31.150000	Yes	-0.400%	0.124600
General Service 50 to 4,999 kW	Customer - 12 per year	190.200000	Yes	-0.400%	0.760800
Large Use	Customer - 12 per year	6800.660000	Yes	-0.400%	27.202640
Unmetered Scattered Load	Connection - 12 per year	15.570000	Yes	-0.400%	0.062280
Street Lighting	Connection - 12 per year	0.340000	Yes	-0.400%	0.001360

### Volumetric Distribution Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	kWh	0.013300	Yes	-0.400%	0.000053
General Service Less Than 50 kW	kWh	0.010600	Yes	-0.400%	0.000042
General Service 50 to 4,999 kW	kW	3.602500	Yes	-0.400%	0.014410
Large Use	kW	2.741900	Yes	-0.400%	0.010968
Unmetered Scattered Load	kWh	0.010500	Yes	-0.400%	0.000042
Street Lighting	kW	6.860000	Yes	-0.400%	0.027440



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## Ontario Capital Tax Adjustment Worksheet

### Ontario Capital Tax Adjustment

#### ONTARIO CAPITAL TAX

##### Section A

	PIL's Model Sheet "Test Year OCT, LCT"			
	2006 EDR	2009 IRM2	2010 IRM2	
Rate Base ("Test Year OCT, LCT"	E17	\$ 97,659,868	\$ 97,659,868	\$ 97,659,868
Less: Exemption	E18	\$ 10,000,000	\$ 15,000,000	\$ 15,000,000
Deemed Taxable Capital	E19	\$ 87,659,868	\$ 82,659,868	\$ 82,659,868
OCT Rate	E21	0.300%	0.225%	0.150%
Net Amount (Taxable Capital x Rate)	E23	\$ 262,980	\$ 185,985	\$ 123,990
Base Revenue Requirement (Sheet D1.1 K-factor Adjustment Wrksht")	E105	\$ 24,461,463	\$ 24,461,463	\$ 24,461,463
	C = A/B	1.075%	0.760%	0.507%
				-0.253%

##### Section B

	PIL's Model Sheet "Test Year OCT, LCT"			
	2006 EDR	2009 2IRM	2009 2IRM	
Taxable Capital	E114	\$ 108,462,251	\$ 108,462,251	\$ 108,462,251
Capital Tax Calculation	E117	\$ 10,000,000	\$ 15,000,000	\$ 15,000,000
Deduction from taxable capital	E119	\$ 98,462,251	\$ 93,462,251	\$ 93,462,251
Net Taxable Capital	E121	0.300%	0.225%	0.150%
Rate			1/2 Year	
Ontario Capital Tax (Deductible, not grossed-up)	E123	\$ 295,387	\$ 210,290	\$ 70,097
Base Revenue Requirement (Sheet D1.1 K-factor Adjustment Wrksht")	E105	\$ 24,461,463	\$ 24,461,463	\$ 24,461,463
		1.208%	0.860%	0.287%
				-0.573%
Ontario Capital Tax (per sheet "Test Year PILs,Tax Provision")	D23	\$ 295,387		-0.573%



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## Ontario Capital Tax Adjustment Worksheet

Rate Rebalancing Adjustment	OCT Adjustment to Rates		
Metric Applied To	All Customers		
Method of Application	Both Uniform%		
Uniform Service Charge Percent	-0.573%	Uniform Volumetric Charge Percent	-0.573% kWh -0.573% kW

### Monthly Service Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	Customer - 12 per year	14.810000	Yes	-0.573%	0.084879
General Service Less Than 50 kW	Customer - 12 per year	31.150000	Yes	-0.573%	0.178527
General Service 50 to 4,999 kW	Customer - 12 per year	190.200000	Yes	-0.573%	1.090073
Large Use	Customer - 12 per year	6800.660000	Yes	-0.573%	38.975898
Unmetered Scattered Load	Connection -12 per year	15.570000	Yes	-0.573%	0.089235
Street Lighting	Connection - 12 per year	0.340000	Yes	-0.573%	0.001949

### Volumetric Distribution Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	kWh	0.013300	Yes	-0.573%	0.000076
General Service Less Than 50 kW	kWh	0.010600	Yes	-0.573%	0.000061
General Service 50 to 4,999 kW	kW	3.602500	Yes	-0.573%	0.020647
Large Use	kW	2.741900	Yes	-0.573%	0.015714
Unmetered Scattered Load	kWh	0.010500	Yes	-0.573%	0.000060
Street Lighting	kW	6.860000	Yes	-0.573%	0.039316



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## Rate Rebalanced Base Distribution Rates General

### Monthly Service Charge

Class	Metric	Base Rate	K-Factor Adjust to Rates	PILs Adjusment To Rates	OCT Adjustment to Rates	Rate ReBal Base
Residential	Customer - 12 per year	14.810000	-0.088860	-0.059240	-0.084879	14.577021
General Service Less Than 50 kW	Customer - 12 per year	31.150000	-0.186900	-0.124600	-0.178527	30.659973
General Service 50 to 4,999 kW	Customer - 12 per year	190.200000	-1.141200	-0.760800	-1.090073	187.207927
Large Use	Customer - 12 per year	6,800.660000	-40.803960	-27.202640	-38.975898	6,693.677502
Unmetered Scattered Load	Connection -12 per year	15.570000	-0.093420	-0.062280	-0.089235	15.325065
Street Lighting	Connection - 12 per year	0.340000	-0.002040	-0.001360	-0.001949	0.334651

### Volumetric Distribution Charge

Class	Metric	Base Rate	K-Factor Adjust to Rates	PILs Adjusment To Rates	OCT Adjustment to Rates	Rate ReBal Base
Residential	kWh	0.013300	-0.000080	-0.000053	-0.000076	0.013091
General Service Less Than 50 kW	kWh	0.010600	-0.000064	-0.000042	-0.000061	0.010433
General Service 50 to 4,999 kW	kWh	3.602500	-0.021615	-0.014410	-0.020647	3.545828
Large Use	kWh	2.741900	-0.016451	-0.010968	-0.015714	2.698767
Unmetered Scattered Load	kWh	0.010500	-0.000063	-0.000042	-0.000060	0.010335
Street Lighting	kWh	6.860000	-0.041160	-0.027440	-0.039316	6.752084



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## GDP-IPI Price Cap Adjustment Worksheet

Price Escalator (GDP-IPI)	Average annual expected Productivity Gain (X)	(GDP-IPI) - X
2.3%	1.0%	1.3%



**Name of LDC:** Waterloo North Hydro Inc.  
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## GDP-IPI Price Cap Adjustment to Rates

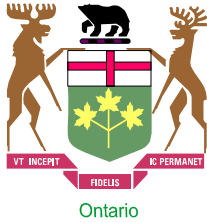
Price Cap Adjustment	GDP-IPI PCI Adjust to Rate		
Metric Applied To	All Customers		
Method of Application	Both Uniform%		
Uniform Service Charge Percent	1.300%	Uniform Volumetric Charge Percent	1.300% kWh 1.300% kW

### Monthly Service Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	Customer - 12 per year	14.577021	Yes	1.300%	0.189501
General Service Less Than 50 kW	Customer - 12 per year	30.659973	Yes	1.300%	0.398580
General Service 50 to 4,999 kW	Customer - 12 per year	187.207927	Yes	1.300%	2.433703
Large Use	Customer - 12 per year	6693.677502	Yes	1.300%	87.017808
Unmetered Scattered Load	Connection - 12 per year	15.325065	Yes	1.300%	0.199226
Street Lighting	Connection - 12 per year	0.334651	Yes	1.300%	0.004350

### Volumetric Distribution Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	kWh	0.013091	Yes	1.300%	0.000170
General Service Less Than 50 kW	kWh	0.010433	Yes	1.300%	0.000136
General Service 50 to 4,999 kW	kW	3.545828	Yes	1.300%	0.046096
Large Use	kW	2.698767	Yes	1.300%	0.035084
Unmetered Scattered Load	kWh	0.010335	Yes	1.300%	0.000134
Street Lighting	kW	6.752084	Yes	1.300%	0.087777



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## After Price Cap Base Distribution Rates General

### Monthly Service Charge

Class	Metric	Base Rate	GDP-IPI PCI Adjust to Rate	After Price Cape Base
Residential	Customer - 12 per year	14.577021	0.189501	14.766522
General Service Less Than 50 kW	Customer - 12 per year	30.659973	0.398580	31.058553
General Service 50 to 4,999 kW	Customer - 12 per year	187.207927	2.433703	189.641630
Large Use	Customer - 12 per year	6693.677502	87.017808	6780.695310
Unmetered Scattered Load	Connection -12 per year	15.325065	0.199226	15.524291
Street Lighting	Connection - 12 per year	0.334651	0.004350	0.339001

### Volumetric Distribution Charge

Class	Metric	Base Rate	GDP-IPI PCI Adjust to Rate	After Price Cape Base
Residential	kWh	0.013091	0.000170	0.013261
General Service Less Than 50 kW	kWh	0.010433	0.000136	0.010569
General Service 50 to 4,999 kW	kW	3.545828	0.046096	3.591924
Large Use	kW	2.698767	0.035084	2.733851
Unmetered Scattered Load	kWh	0.010335	0.000134	0.010469
Street Lighting	kW	6.752084	0.087777	6.839861





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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	1.000000

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
Large Use	Yes	1.000000	Customer - 12 per year	0.000000	kW



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## Regulatory Asset Recovery Rate Rider

Rate Rider	Deferral Account Rate Rider
Sunset Date	30/04/2014 <small>DD/MM/YYYY</small>
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

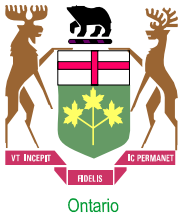
Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer - 12 per year	-0.002600	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer - 12 per year	-0.002600	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer - 12 per year	-0.993700	kW
Large Use	Yes	0.000000	Customer - 12 per year	-1.226000	kW
Unmetered Scattered Load	Yes	0.000000	Connection -12 per year	-0.002700	kWh
Street Lighting	Yes	0.000000	Connection - 12 per year	-0.972500	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	0.030000
Large Use	kW	0.037400
Unmetered Scattered Load	kWh	0.000100
Street Lighting	kW	0.022800



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## Applied For Distribution Rates General

### Monthly Service Charge

Class	Metric	Base Rate	Final Base
Residential	Customer - 12 per year	14.766522	14.766522
General Service Less Than 50 kW	Customer - 12 per year	31.058553	31.058553
General Service 50 to 4,999 kW	Customer - 12 per year	189.641630	189.641630
Large Use	Customer - 12 per year	6,780.695310	6,780.695310
Unmetered Scattered Load	Connection -12 per year	15.524291	15.524291
Street Lighting	Connection - 12 per year	0.339001	0.339001

### Volumetric Distribution Charge

Class	Metric	Base Rate	Final Base
Residential	kWh	0.013261	0.013261
General Service Less Than 50 kW	kWh	0.010569	0.010569
General Service 50 to 4,999 kW	kW	3.591924	3.591924
Large Use	kW	2.733851	2.733851
Unmetered Scattered Load	kWh	0.010469	0.010469
Street Lighting	kW	6.839861	6.839861



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## Applied For TX Network General

Method of Application **Uniform Percentage**

Uniform Percentage **3.500%**

Rate Class	Applied to Class
<b>Residential</b>	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kWh	0.005000	3.500%	0.000175	0.005175

Rate Class	Applied to Class
<b>General Service Less Than 50 kW</b>	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kWh	0.004600	3.500%	0.000161	0.004761

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

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kW	1.865600	3.500%	0.065296	1.930896
Retail Transmission Rate – Network Service Rate – Interval m	\$/kW	1.981500	3.500%	0.069353	2.050853
Retail Transmission Rate – Network Service Rate – Interval m	\$/kW	1.979000	3.500%	0.069265	2.048265

Rate Class	Applied to Class
<b>Large Use</b>	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kW	2.193900	3.500%	0.076787	2.270687

Rate Class	Applied to Class
<b>Unmetered Scattered Load</b>	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kWh	0.004600	3.500%	0.000161	0.004761

Rate Class	Applied to Class
<b>Street Lighting</b>	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kW	1.407100	3.500%	0.049249	1.456349



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## Applied For TX Connection General

Method of Application **Uniform Percentage**

Uniform Percentage **-2.200%**

Rate Class	Applied to Class
<b>Residential</b>	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connectic	\$/kWh	0.001900	-2.200%	-0.000042	0.001858

Rate Class	Applied to Class
<b>General Service Less Than 50 kW</b>	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connectic	\$/kWh	0.001700	-2.200%	-0.000037	0.001663

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

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connectic	\$/kW	0.679800	-2.200%	-0.014956	0.664844
Retail Transmission Rate – Line and Transformation Connectic	\$/kW	0.849200	-2.200%	-0.018682	0.830518
Retail Transmission Rate – Line and Transformation Connectic	\$/kW	0.848200	-2.200%	-0.018660	0.829540

Rate Class	Applied to Class
<b>Large Use</b>	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connectic	\$/kW	0.852100	-2.200%	-0.018746	0.833354

Rate Class	Applied to Class
<b>Unmetered Scattered Load</b>	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connectic	\$/kWh	0.001700	-2.200%	-0.000037	0.001663

Rate Class	Applied to Class
<b>Street Lighting</b>	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connectic	\$/kW	0.525500	-2.200%	-0.011561	0.513939



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## Applied For Monthly Rates and Charges General

### Rate Class

#### Residential

Rate Description	Metric	Rate
Service Charge	\$	14.77
Service Charge Smart Meters	\$	1.00
Distribution Volumetric Rate	\$/kWh	0.0133
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Deferral Account Rate Rider – effective until Wednesday, April 30, 2014	\$/kWh	(0.00260)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0052
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0019
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### General Service Less Than 50 kW

Rate Description	Metric	Rate
Service Charge	\$	31.06
Service Charge Smart Meters	\$	1.00
Distribution Volumetric Rate	\$/kWh	0.0106
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Deferral Account Rate Rider – effective until Wednesday, April 30, 2014	\$/kWh	(0.00260)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0017
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

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

Rate Description	Metric	Rate
Service Charge	\$	189.64
Service Charge Smart Meters	\$	1.00
Distribution Volumetric Rate	\$/kW	3.5919
Low Voltage Volumetric Rate	\$/kW	0.0300
Distribution Volumetric Deferral Account Rate Rider – effective until Wednesday, April 30, 2014	\$/kW	(0.99370)
Retail Transmission Rate – Network Service Rate	\$/kW	1.9309
Retail Transmission Rate – Network Service Rate – Interval metered < 1,000 kW	\$/kW	2.0509
Retail Transmission Rate – Network Service Rate – Interval metered > 1,000 kW	\$/kW	2.0483
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6648
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered < 1\$/kW	\$/kW	0.8305
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered > 1\$/kW	\$/kW	0.8295
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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## Applied For Monthly Rates and Charges General

Rate Class

### Large Use

Rate Description	Metric	Rate
Service Charge	\$	6,780.70
Service Charge Smart Meters	\$	1.00
Distribution Volumetric Rate	\$/kW	2.7339
Low Voltage Volumetric Rate	\$/kW	0.0374
Distribution Volumetric Deferral Account Rate Rider – effective until Wednesday, April 30, 2014	\$/kW	(1.22600)
Retail Transmission Rate – Network Service Rate	\$/kW	2.2707
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8334
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

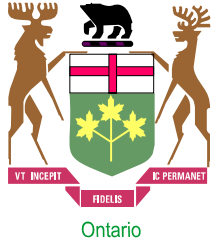
Rate Description	Metric	Rate
Service Charge (per connection)	\$	15.52
Distribution Volumetric Rate	\$/kWh	0.0105
Low Voltage Volumetric Rate	\$/kWh	0.0001
Distribution Volumetric Deferral Account Rate Rider – effective until Wednesday, April 30, 2014	\$/kWh	(0.00270)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0017
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
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	6.8399
Low Voltage Volumetric Rate	\$/kW	0.0228
Distribution Volumetric Deferral Account Rate Rider – effective until Wednesday, April 30, 2014	\$/kW	(0.97250)
Retail Transmission Rate – Network Service Rate	\$/kW	1.4563
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.5139
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25





**Name of LDC:** Waterloo North Hydro Inc.  
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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

1.0505  
1.0145  
1.0400  
1.0045



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## Summary of Changes To General Service Charge and Distribution Volumetric Charge

	Fixed (\$)	Volumetric \$/kWh
<b>Residential</b>		
<b>Current Tariff Distribution Rates</b>	<b>15.81</b>	<b>0.0134</b>
Less: Rate Adders Embedded in Tariff Rates		
Smart Meters	-1.00	0.0000
Low Voltage Volumetric Charge	0.00	-0.0001
<b>Total: Rate Adders Embedded in Tariff Rates</b>	<b>-1.00</b>	<b>-0.0001</b>
<b>Current Base Distribution Rates</b>	<b>14.81</b>	<b>0.0133</b>
Rate Rebalancing Adjustments		
K-Factor Adjust to Rates	-0.09	-0.0001
PILs Adjustment To Rates	-0.06	-0.0001
OCT Adjustment to Rates	-0.08	-0.0001
<b>Total Rate Rebalancing Adjustments</b>	<b>-0.23</b>	<b>-0.0002</b>
Price Cap Adjustments		
GDP-IPi PCI Adjust to Rate	0.19	0.0002
<b>Total Price Cap Adjustments</b>	<b>0.19</b>	<b>0.0002</b>
<b>Applied For Base Distribution Rates</b>	<b>14.77</b>	<b>0.0133</b>
<b>Applied For Tariff Distribution Rates</b>	<b>14.77</b>	<b>0.0133</b>
	0.00	0.0000

	Fixed (\$)	Volumetric \$/kWh
<b>General Service Less Than 50 kW</b>		
<b>Current Tariff Rates</b>	<b>32.15</b>	<b>0.0107</b>
Less: Rate Adders Embedded in Tariff Rates		
Smart Meters	-1.00	0.0000
Low Voltage Volumetric Charge	0.00	-0.0001
<b>Total: Rate Adders Embedded in Tariff Rates</b>	<b>-1.00</b>	<b>-0.0001</b>
<b>Current Base Distribution Rates</b>	<b>31.15</b>	<b>0.01</b>
Rate Rebalancing Adjustments		
K-Factor Adjust to Rates	-0.19	-0.0001
PILs Adjustment To Rates	-0.12	0.0000
OCT Adjustment to Rates	-0.18	-0.0001
<b>Total Rate Rebalancing Adjustments</b>	<b>-0.49</b>	<b>-0.0002</b>
Price Cap Adjustments		
GDP-IPi PCI Adjust to Rate	0.40	0.0001
<b>Total Price Cap Adjustments</b>	<b>0.40</b>	<b>0.0001</b>
<b>Applied For Base Distribution Rates</b>	<b>31.06</b>	<b>0.01</b>
<b>Applied For Tariff Distribution Rates</b>	<b>31.06</b>	<b>0.0106</b>
	0.00	0.0000

	Fixed (\$)	Volumetric \$/kW
<b>General Service 50 to 4,999 kW</b>		
<b>Current Tariff Rates</b>	<b>191.20</b>	<b>3.6325</b>
Less: Rate Adders Embedded in Tariff Rates		
Smart Meters	-1.00	0.0000
Low Voltage Volumetric Charge	0.00	-0.0300
<b>Total: Rate Adders Embedded in Tariff Rates</b>	<b>-1.00</b>	<b>-0.0300</b>
<b>Current Base Distribution Rates</b>	<b>190.20</b>	<b>3.60</b>
Rate Rebalancing Adjustments		
K-Factor Adjust to Rates	-1.14	-0.0216
PILs Adjustment To Rates	-0.76	-0.0144
OCT Adjustment to Rates	-1.09	-0.0206
<b>Total Rate Rebalancing Adjustments</b>	<b>-2.99</b>	<b>-0.0567</b>
Price Cap Adj		
GDP-IPi PCI Adjust to Rate	2.43	0.0461
<b>Total Price Cap Adjustments</b>	<b>2.43</b>	<b>0.0461</b>
<b>Applied For Base Distribution Rates</b>	<b>189.64</b>	<b>3.59</b>
<b>Applied For Tariff Distribution Rates</b>	<b>189.64</b>	<b>3.5919</b>



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## Summary of Changes To General Service Charge and Distribution Volumetric Charge

0.00 0.0000

	Fixed	Volumetric
	(\$)	\$/kW
<b>Large Use</b>		
<b>Current Tariff Rates</b>	<b>6,801.66</b>	<b>2.7793</b>
Less: Rate Adders Embedded in Tariff Rates		
Smart Meters	-1.00	0.0000
Low Voltage Volumetric Charge	0.00	-0.0374
<b>Total: Rate Adders Embedded in Tariff Rates</b>	<b>-1.00</b>	<b>-0.0374</b>
<b>Current Base Distribution Rates</b>	<b>6,800.66</b>	<b>2.74</b>
Rate Rebalancing Adjustments		
K-Factor Adjust to Rates	-40.80	-0.0165
PILs Adjustment To Rates	-27.20	-0.0110
OCT Adjustment to Rates	-38.98	-0.0157
<b>Total Rate Rebalancing Adjustments</b>	<b>-106.98</b>	<b>-0.0431</b>
GDP-IPCI Adjust to Rate	87.02	0.0351
<b>Applied For Base Distribution Rates</b>	<b>-1.00</b>	<b>-0.04</b>
<b>Applied For Tariff Distribution Rates</b>	<b>6,780.70</b>	<b>2.7339</b>
	0.00	0.0000

	Fixed	Volumetric
	(\$)	\$/kWh
<b>Unmetered Scattered Load</b>		
<b>Current Tariff Rates</b>	<b>15.57</b>	<b>0.0106</b>
Less: Rate Adders Embedded in Tariff Rates		
Low Voltage Volumetric Charge	0.00	-0.0001
<b>Total: Rate Adders Embedded in Tariff Rates</b>	<b>0.00</b>	<b>-0.0001</b>
<b>Current Base Distribution Rates</b>	<b>15.57</b>	<b>0.01</b>
Rate Rebalancing Adjustments		
K-Factor Adjust to Rates	-0.09	-0.0001
PILs Adjustment To Rates	-0.06	0.0000
OCT Adjustment to Rates	-0.09	-0.0001
<b>Total Rate Rebalancing Adjustments</b>	<b>-0.24</b>	<b>-0.0002</b>
Price Cap Adjustments		
GDP-IPCI Adjust to Rate	0.20	0.0001
<b>Total Price Cap Adjustments</b>	<b>0.20</b>	<b>0.0001</b>
<b>Applied For Base Distribution Rates</b>	<b>15.52</b>	<b>0.01</b>
<b>Applied For Tariff Distribution Rates</b>	<b>15.52</b>	<b>0.0105</b>
	0.00	0.0000

	Fixed	Volumetric
	(\$)	\$/kW
<b>Street Lighting</b>		
<b>Current Tariff Rates</b>	<b>0.34</b>	<b>6.8828</b>
Less: Rate Adders Embedded in Tariff Rates		
Low Voltage Volumetric Charge	0.00	-0.0228
<b>Total: Rate Adders Embedded in Tariff Rates</b>	<b>0.00</b>	<b>-0.0228</b>
<b>Current Base Distribution Rates</b>	<b>0.34</b>	<b>6.86</b>
Rate Rebalancing Adjustments		
K-Factor Adjust to Rates	0.00	-0.0412
PILs Adjustment To Rates	0.00	-0.0274
OCT Adjustment to Rates	0.00	-0.0393
<b>Total Rate Rebalancing Adjustments</b>	<b>-0.01</b>	<b>-0.1079</b>
Price Cap Adjustments		
GDP-IPCI Adjust to Rate	0.00	0.0878
<b>Total Price Cap Adjustments</b>	<b>0.00</b>	<b>0.0878</b>
<b>Applied For Base Distribution Rates</b>	<b>0.34</b>	<b>6.84</b>
<b>Applied For Tariff Distribution Rates</b>	<b>0.34</b>	<b>6.8399</b>
	0.00	0.0000



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## Summary of Changes To Tariff Rate Adders

	Fixed	Volumetric
<b>Residential</b>	(\$)	\$/kWh

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

	Fixed	Volumetric
<b>General Service Less Than 50 kW</b>	(\$)	\$/kWh

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

	Fixed	Volumetric
<b>General Service 50 to 4,999 kW</b>	(\$)	\$

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

	Fixed	Volumetric
<b>Large Use</b>	(\$)	\$/kWh

	Fixed	Volumetric
<b>Large Use</b>	(\$)	0
<b>Proposed Tariff Rates Adders</b>		
Smart Meters	1.00	0.0000
<b>Total Proposed Tariff Rates Adders</b>	<b>1.00</b>	<b>0.0000</b>



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## Summary of Changes To Tariff Rate Adders

	Fixed	Volumetric
<b>Unmetered Scattered Load</b>	(\$)	\$/kWh

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

	Fixed	Volumetric
<b>Street Lighting</b>	(\$)	0

	Fixed	Volumetric
<b>Street Lighting</b>	(\$)	\$/kW
<b>Proposed Tariff Rates Adders</b>		
<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

	Fixed	Volumetric
<b>Residential</b>	(\$)	\$/kWh

	Fixed	Volumetric
<b>Residential</b>	(\$)	\$/kWh
<b>Proposed Tariff Rates Riders</b>		
Deferral Account Rate Rider	0.00	-0.0026
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>-0.0026</b>

	Fixed	Volumetric
<b>General Service Less Than 50 kW</b>	(\$)	\$/kWh

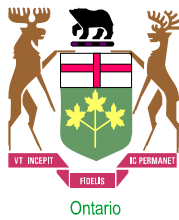
	Fixed	Volumetric
<b>General Service Less Than 50 kW</b>	(\$)	\$
<b>Proposed Tariff Rates Riders</b>		
Deferral Account Rate Rider	0.00	-0.0026
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>-0.0026</b>

	Fixed	Volumetric
<b>General Service 50 to 4,999 kW</b>	(\$)	\$

	Fixed	Volumetric
<b>General Service 50 to 4,999 kW</b>	(\$)	\$
<b>Proposed Tariff Rates Riders</b>		
Deferral Account Rate Rider	0.00	-0.9937
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>-0.9937</b>

	Fixed	Volumetric
<b>Large Use</b>	(\$)	\$/kWh

	Fixed	Volumetric
<b>Large Use</b>	(\$)	0
<b>Proposed Tariff Rates Riders</b>		
Deferral Account Rate Rider	0.00	-1.2260
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>-1.2260</b>



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## Summary of Changes To Tariff Rate Riders

	Fixed	Volumetric
<b>Unmetered Scattered Load</b>	(\$)	\$/kWh

	Fixed	Volumetric
<b>Unmetered Scattered Load</b>	(\$)	0
<b>Proposed Tariff Rates Riders</b>		
Deferral Account Rate Rider	0.00	-0.0027
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>-0.0027</b>

	Fixed	Volumetric
<b>Street Lighting</b>	(\$)	0

	Fixed	Volumetric
<b>Street Lighting</b>	(\$)	\$/kW
<b>Proposed Tariff Rates Riders</b>		
Deferral Account Rate Rider	0.00	-0.9725
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>-0.9725</b>



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## Calculation of Bill Impacts

### Large Use

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	6,801.66	6,780.70
Service Charge Rate Adder(s)	\$	-	1.00
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kW	2.7793	2.7339
Distribution Volumetric Rate Adder(s)	\$/kW	-	-
Low Voltage Volumetric Rate	\$/kW	-	0.0374
Distribution Volumetric Rate Rider(s)	\$/kW	-	1.2260
Retail Transmission Rate – Network Service Rate	\$/kW	2.1939	2.2707
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8521	0.8334
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

<b>Consumption</b>	<b>29,000,000 kWh</b>	<b>50,000 kW</b>
<b>RPP Tier One</b>	<b>750 kWh</b>	<b>Load Factor 79.5%</b>

**Loss Factor 1.040**

Large Use	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.0%	0.00%
Energy Second Tier (kWh)	30,159,249	0.0660	1,990,510.43	30,159,249	0.0660	1,990,510.43	0.00	0.0%	72.11%
<b>Sub-Total: Energy</b>			<b>1,990,553.18</b>			<b>1,990,553.18</b>	<b>0.00</b>	<b>0.0%</b>	<b>72.11%</b>
Service Charge	1	6,801.66	6,801.66	1	6,780.70	6,780.70	-20.96	(0.3)%	0.25%
Service Charge Rate Adder(s)	1	0.00	0.00	1	1.00	1.00	1.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	50,000	2.7793	138,965.00	50,000	2.7339	136,695.00	-2,270.00	(1.6)%	4.95%
Distribution Volumetric Rate Adder(s)	50,000	0.0000	0.00	50,000	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	50,000	0.0000	0.00	50,000	0.0374	1,870.00	1,870.00	0.0%	0.07%
Distribution Volumetric Rate Rider(s)	50,000	0.0000	0.00	50,000	-1.2260	-61,300.00	-61,300.00	0.0%	-2.22%
<b>Total: Distribution</b>			<b>145,766.66</b>			<b>84,046.70</b>	<b>-61,719.96</b>	<b>(42.3)%</b>	<b>3.04%</b>
Retail Transmission Rate – Network Service Rate	50,000	2.1939	109,695.00	50,000	2.2707	113,535.00	3,840.00	3.5%	4.11%
Retail Transmission Rate – Line and Transformation Connection Service Rate	50,000	0.8521	42,605.00	50,000	0.8334	41,670.00	-935.00	(2.2)%	1.51%
<b>Total: Retail Transmission</b>			<b>152,300.00</b>			<b>155,205.00</b>	<b>2,905.00</b>	<b>1.9%</b>	<b>5.62%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>298,066.66</b>			<b>239,251.70</b>	<b>-58,814.96</b>	<b>(19.7)%</b>	<b>8.67%</b>
Wholesale Market Service Rate	30,159,999	0.0052	156,831.99	30,159,999	0.0052	156,831.99	0.00	0.0%	5.88%
Rural Rate Protection Charge	30,159,999	0.0013	39,208.00	30,159,999	0.0013	39,208.00	0.00	0.0%	1.42%
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>196,040.24</b>			<b>196,040.24</b>	<b>0.00</b>	<b>0.0%</b>	<b>7.10%</b>
<b>Debt Retirement Charge (DRC)</b>	29,000,000	0.00700	203,000.00	29,000,000	0.00700	203,000.00	0.00	0.0%	7.35%
<b>Total Bill before Taxes</b>			<b>2,687,660.08</b>			<b>2,628,845.12</b>	<b>-58,814.96</b>	<b>(2.2)%</b>	<b>95.24%</b>
<b>GST</b>	2,687,660.08	5%	134,383.00	2,628,845.12	5%	131,442.26	-2,940.74	(2.2)%	4.76%
<b>Total Bill</b>			<b>2,822,043.08</b>			<b>2,760,287.38</b>	<b>-61,755.70</b>	<b>(2.2)%</b>	<b>100.00%</b>

### Rate Class Threshold Test

#### Large Use

	kWh	2,600,000	5,000,000	13,000,000	20,000,000	26,000,000
Loss Factor Adjusted kWh	kWh	2,704,000	5,200,000	13,520,000	20,800,000	27,040,000
	kW	5,000	10,000	25,000	40,000	50,000
	Load Factor	71.3%	68.5%	71.3%	68.5%	71.3%

#### Energy

	Applied For Bill	\$ 178,457.25	\$ 343,193.25	\$ 892,313.25	\$ 1,372,793.24	\$ 1,784,633.24
Current Bill	\$ 178,457.25	\$ 343,193.25	\$ 892,313.25	\$ 1,372,793.24	\$ 1,784,633.24	\$ 1,784,633.24
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	69.6%	70.2%	71.2%	71.0%	71.4%	71.4%

#### Distribution

	Applied For Bill	\$ 14,508.20	\$ 22,234.70	\$ 45,414.20	\$ 68,593.70	\$ 84,046.70
Current Bill	\$ 20,698.16	\$ 34,594.66	\$ 76,284.16	\$ 117,973.66	\$ 145,766.66	\$ 145,766.66
\$ Impact	\$ 6,189.96	\$ 12,359.96	\$ 30,869.96	\$ 49,379.96	\$ 61,719.96	\$ 61,719.96
% Impact	-29.9%	-35.7%	-40.5%	-41.9%	-42.3%	-42.3%
% of Total Bill	5.7%	4.8%	3.6%	3.5%	3.4%	3.4%

#### Retail Transmission

	Applied For Bill	\$ 15,520.50	\$ 31,041.00	\$ 77,602.50	\$ 124,164.00	\$ 155,205.00
Current Bill	\$ 15,230.00	\$ 30,460.00	\$ 76,150.00	\$ 121,840.00	\$ 152,300.00	\$ 152,300.00
\$ Impact	\$ 290.50	\$ 581.00	\$ 1,452.50	\$ 2,324.00	\$ 2,904.99	\$ 2,904.99
% Impact	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%
% of Total Bill	6.1%	6.4%	6.2%	6.4%	6.2%	6.2%

#### Delivery (Distribution and Retail Transmission)

	Applied For Bill	\$ 30,028.70	\$ 53,275.70	\$ 123,016.70	\$ 192,757.70	\$ 239,251.70
Current Bill	\$ 35,928.16	\$ 65,054.66	\$ 152,434.16	\$ 239,813.66	\$ 298,066.67	\$ 298,066.67
\$ Impact	\$ 5,899.46	\$ 11,778.96	\$ 29,417.46	\$ 47,055.96	\$ 58,814.97	\$ 58,814.97
% Impact	-16.4%	-18.1%	-19.3%	-19.6%	-19.7%	-19.7%
% of Total Bill	11.7%	10.9%	9.8%	10.0%	9.6%	9.6%

#### Regulatory

	Applied For Bill	\$ 17,576.25	\$ 33,800.25	\$ 87,880.25	\$ 135,200.25	\$ 175,760.25
Current Bill	\$ 17,576.25	\$ 33,800.25	\$ 87,880.25	\$ 135,200.25	\$ 175,760.25	\$ 175,760.25
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	6.9%	6.9%	7.0%	7.0%	7.0%	7.0%

#### Debt Retirement Charge

	Applied For Bill	\$ 18,200.00	\$ 35,000.00	\$ 91,000.00	\$ 140,000.00	\$ 182,000.01
Current Bill	\$ 18,200.00	\$ 35,000.00	\$ 91,000.00	\$ 140,000.00	\$ 182,000.01	\$ 182,000.01
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	7.1%	7.2%	7.3%	7.2%	7.3%	7.3%

#### GST

	Applied For Bill	\$ 12,213.11	\$ 23,263.46	\$ 59,710.51	\$ 92,037.56	\$ 119,082.26
Current Bill	\$ 12,508.08	\$ 23,852.41	\$ 61,181.38	\$ 94,390.36	\$ 122,023.01	\$ 122,023.01
\$ Impact	\$ 294.97	\$ 588.95	\$ 1,470.87	\$ 2,352.80	\$ 2,940.75	\$ 2,940.75
% Impact	-2.4%	-2.5%	-2.4%	-2.5%	-2.4%	-2.4%
% of Total Bill	4.8%	4.8%	4.8%	4.8%	4.8%	4.8%

#### Total Bill

	Applied For Bill	\$ 256,475.31	\$ 488,532.66	\$ 1,253,920.71	\$ 1,932,788.75	\$ 2,500,727.46
Current Bill	\$ 262,669.74	\$ 500,900.57	\$ 1,284,809.04	\$ 1,982,197.51	\$ 2,562,483.18	\$ 2,562,483.18
\$ Impact	\$ 6,194.43	\$ 12,367.91	\$ 30,888.33	\$ 49,408.76	\$ 61,755.72	\$ 61,755.72
% Impact	-2.4%	-2.5%	-2.4%	-2.5%	-2.4%	-2.4%





**Name of LDC:** Waterloo North Hydro Inc.  
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**Effective Date:** Saturday, May 01, 2010

## 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	%	(1.00)





**Name of LDC:** Waterloo North Hydro Inc.  
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## 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



Name of LDC: Waterloo North Hydro Inc.  
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Effective Date: Saturday, May 01, 2010

## LDC Information

Applicant Name	<b>Waterloo North Hydro Inc.</b>
OEB Application Number	<b>EB-2009-0210</b>
LDC Licence Number	<b>ED-2002-0575</b>
Applied for Effective Date	<b>May 1, 2010</b>



**Name of LDC:** Waterloo North Hydro Inc.  
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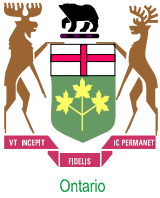
<b>Sheet Name</b>	<b>Purpose of Sheet</b>
<a href="#">A1.1 LDC Information</a>	Enter LDC Data
<a href="#">A2.1 Table of Contents</a>	Table of Contents
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<a href="#">C1.0 2006 Reg Asset Recovery</a>	Regulatory Assets - 2006 Regulatory Asset Recovery
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<a href="#">D1.1 Threshold Test</a>	Threshold Test
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<a href="#">E1.3 Cost Allocation 1590</a>	Cost Allocation - 1590
<a href="#">E1.4 Cost Allocation 1595</a>	Cost Allocation - 1595
<a href="#">F1.1 Calculation Rate Rider</a>	Calculation of Regulatory Asset Recovery Rate Rider
<a href="#">F1.2 Request for Clearance</a>	Request for Clearance of Deferral and Variance Accounts



Name of LDC: Waterloo North Hydro Inc.  
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## 2006 Regulatory Asset Recovery

Account Description	Account Number	Principal Amounts as of Dec-31 2004 A	Hydro One charges (if applicable) to Dec31-03 B	Hydro One charges (if applicable) Jan 1-04 to Apr 30-06 C	Transition Cost Adjustment D	Principal Amounts E = A + B + C + D	Interest to Dec31-04 F	Interest per 2006 Reg Assets G = H - F - E	Total Claim and Recoveries per 2006 Reg Assets H	Transfer of Board-approved amounts to 1590 as per 2006 EDR I = - E	Transfer of Board-approved Interest to 1590 as per 2006 EDR J = - ( F + G )
1. Dec. 31, 2004 Reg. Assets											
		Column G	Column K	Column M			Column H		Column N		
RSVA - Wholesale Market Service Charge	1580	1,780,808				1,780,808	305,864	191,917	2,278,589	(1,780,808)	(497,781)
RSVA - One-time Wholesale Market Service	1582	163,839				163,839	15,895	15,381	195,115	(163,839)	(31,276)
RSVA - Retail Transmission Network Charge	1584	158,621	(8,421)	(9,077)		141,123	53,488	31,913	226,524	(141,123)	(85,401)
RSVA - Retail Transmission Connection Charge	1586	(8,828,732)	29,844	26,141		(8,772,747)	(751,818)	(807,018)	(10,331,583)	8,772,747	1,558,836
RSVA - Power	1588	(410,715)				(410,715)	36,876	137,019	(236,820)	410,715	(173,895)
<b>Sub-Totals</b>		<b>(7,136,179)</b>	<b>21,423</b>	<b>17,064</b>		<b>(7,097,692)</b>	<b>(339,695)</b>	<b>(430,789)</b>	<b>(7,868,176)</b>	<b>7,097,692</b>	<b>770,484</b>
Other Regulatory Assets	1508				2,728	2,728		0	2,728	(2,728)	0
Retail Cost Variance Account - Retail	1518	142,415				142,415	29,765	13,751	185,932	(142,415)	(43,517)
Retail Cost Variance Account - STR	1548	6,217				6,217	1,022	601	7,840	(6,217)	(1,623)
Misc. Deferred Debits - incl. Rebate Cheques	1525	52,901	1,443			54,344	7,671	5,133	67,147	(54,344)	(12,803)
Pre-Market Opening Energy Variances Total	1571	2,509,544				2,509,544	683,156	242,589	3,435,289	(2,509,544)	(925,745)
Extra-Ordinary Event Losses	1572					0		0	0	0	0
Deferred Rate Impact Amounts	1574					0		0	0	0	0
Other Deferred Credits	2425					0		0	0	0	0
<b>Sub-Totals</b>		<b>2,711,077</b>	<b>1,443</b>	<b>2,728</b>		<b>2,715,248</b>	<b>721,614</b>	<b>262,074</b>	<b>3,698,936</b>	<b>(2,715,248)</b>	<b>(983,688)</b>
Qualifying Transition Costs	1570	762,370	55			762,425	144,701	73,697	980,823	(762,425)	(218,397)
Transition Cost Adjustment	1570				(98,082)	(98,082)			(98,082)	98,082	0
<b>Sub-Totals</b>		<b>762,370</b>	<b>55</b>			<b>664,343</b>	<b>144,701</b>	<b>73,697</b>	<b>882,740</b>	<b>(664,343)</b>	<b>(218,397)</b>
<b>Total Regulatory Assets</b>		<b>(3,662,732)</b>	<b>22,921</b>	<b>19,792</b>	<b>(98,082)</b>	<b>(3,718,101)</b>	<b>526,620</b>	<b>(95,018)</b>	<b>(3,286,499)</b>	<b>3,718,101</b>	<b>(431,602)</b>
<b>Total Recoveries to April 30-06</b>	2. Rate Riders Calculation	Cell C48						0	<b>(1,394,457)</b>	<b>1,394,457</b>	<b>(0)</b>
<b>Balance to be collected or refunded</b>	2. Rate Riders Calculation	Cell N51							<b>(1,892,043)</b>	<b>2,323,644</b>	<b>(431,601)</b>



**Name of LDC:** Waterloo North Hydro Inc.  
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## 2006 Regulatory Asset Recovery Proportionate Share

Rate Class	Total Claim	% Total Claim
Residential	(266,765 )	8.1%
GS < 50 KW	(471,535 )	14.3%
GS > 50 Non TOU	(1,881,591 )	57.3%
GS > 50 TOU		0.0%
Intermediate		0.0%
Large Users	(613,981 )	18.7%
Small Scattered Load	(10,231 )	0.3%
Sentinel Lighting		0.0%
Street Lighting	(42,396 )	1.3%
<b>Total</b>	<b>(3,286,499 )</b>	<b>100.0%</b>

2. Rate Riders Calculation

Row 29



**Name of LDC:** Waterloo North Hydro Inc.  
**File Number:** EB-2009-0210  
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## Rate Class and 2008 Billing Determinants

Rate Group	Rate Class	Fixed Metric	Vol Metric	2008			Billed kWh for Non-RPP customers	1590 Recovery Share Proportion 1
				Billed Customers or Connections				
				A	Billed kWh	Billed kW		
RES	Residential	Customer	kWh	44,593	405,004,360		57,694,400	8.1%
GSLT50	General Service Less Than 50 kW	Customer	kWh	5,205	182,128,005		30,504,955	14.3%
GSGT50	General Service 50 to 4,999 kW	Customer	kW	664	674,782,770	1,634,140	596,067,646	57.3%
LU	Large Use	Customer	kW	2	98,474,246	191,106	98,917,380	18.7%
USL	Unmetered Scattered Load	Connection	kWh	534	1,773,198		3,004	0.3%
SL	Street Lighting	Connection	kW	12,777	7,547,793	20,906	0	1.3%
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					
								100.0%





Name of LDC: Waterloo North Hydro Inc.  
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## Regulatory Assets - Continuity Schedule 2006

Account Description	Account Number	Opening Principal Amounts as of Jan-1-05 1	Low Voltage and Recoveries per 2006 Reg Asset	Transition Cost Adjustment	Transfer of Board-approved amounts to 1590 as per 2006 EDR	Closing Principal Balance as of May-1-06	Opening Interest Amounts as of Jan-1-05 4	Interest per 2006 Reg Asset	Recoveries per 2006 Reg Asset	Transfer of Board-approved amounts to 1590 as per 2006 EDR	Closing Interest Amounts as of May-1-06
LV Variance Account	1550										0
RSVA - Wholesale Market Service Charge	1580	1,780,808	0		(1,780,808)	0	305,864	191,917		(497,781)	0
RSVA - Retail Transmission Network Charge	1584	158,621	(17,498)		(141,123)	0	53,488	31,913		(85,401)	0
RSVA - Retail Transmission Connection Charge	1586	(8,828,732)	55,985		8,772,747	0	(751,818)	(807,018)		1,558,836	0
RSVA - Power (Excluding Global Adjustment)	1588	(410,715)			410,715	0	36,876	137,019		(173,895)	0
RSVA - Power (Global Adjustment Sub-account)						0					0
Recovery of Regulatory Asset Balances	1590		1,394,457		(3,718,101)	(2,323,644)			(0)	431,602	431,601
Disposition and recovery of Regulatory Balances Account	1595					0					0
Sub-Total		(7,300,018)	1,432,944		3,543,430	(2,323,644)	(355,590)	(446,170)	(0)	1,233,361	431,601
RSVA - One-time Wholesale Market Service	1582	163,839	0		(163,839)	0	15,895	15,381		(31,276)	0
Other Regulatory Assets	1508	0	2,728		(2,728)	0	0	0		0	0
Retail Cost Variance Account - Retail	1518	142,415	0		(142,415)	0	29,765	13,751		(43,517)	0
Retail Cost Variance Account - STR	1548	6,217	0		(6,217)	0	1,022	601		(1,623)	0
Misc. Deferred Debits - incl. Rebate Cheques	1525	52,901	1,443		(54,344)	0	7,671	5,133		(12,803)	0
Pre-Market Opening Energy Variances Total	1571	2,509,544	0		(2,509,544)	0	683,156	242,589		(925,745)	0
Extra-Ordinary Event Losses	1572	0	0		0	0	0	0		0	0
Deferred Rate Impact Losses	1574	0	0		0	0	0	0		0	0
Other Deferred Credits	2425	0	0		0	0	0	0		0	0
Qualifying Transition Costs	1570	762,370	55		(762,425)	0	144,701	73,697		(218,397)	0
Transition Cost Adjustment	1570			(98,082)	98,082	0					0
Total		(3,662,732)	1,437,170	(98,082)	0	(2,323,644)	526,620	(95,018)	(0)	0	431,601



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## Regulatory Assets - Continuity Schedule 2005

Account Description	Account Number	Opening Principal Amounts as of Jan-1 05 <sup>4</sup>	Transactions (additions) during 2005, excluding interest and adjustments <sup>1</sup>	Transactions (reductions) during 2005, excluding interest and adjustments <sup>1</sup>	Adjustments during 2005 - instructed by Board <sup>2</sup>	Adjustments during 2005 - other <sup>3</sup>	Closing Principal Balance as of Dec-31-05	Opening Interest Amounts as of Jan-1 05 <sup>4</sup>	Interest Recovery Transactions during 2005	Interest Jan-1 to Dec31-05	Closing Interest Amounts as of Dec-31-05
LV Variance Account	1550						0				0
RSVA - Wholesale Market Service Charge	1580		1,019,894				1,019,894			23,949	23,949
RSVA - Retail Transmission Network Charge	1584		(12,424)				(12,424)			(5,585)	(5,585)
RSVA - Retail Transmission Connection Charge	1586		(3,339,615)				(3,339,615)			(124,469)	(124,469)
RSVA - Power (Excluding Global Adjustment)	1588		(340,756)				(340,756)			6,900	6,900
RSVA - Power (Global Adjustment Sub-account)			(780,470)				(780,470)			(22,137)	(22,137)
Recovery of Regulatory Asset Balances	1590						0				0
Disposition and recovery of Regulatory Balances Account	1595						0				0
<b>Total</b>		<b>0</b>	<b>(3,453,371)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(3,453,371)</b>	<b>0</b>	<b>0</b>	<b>(121,342)</b>	<b>(121,342)</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 statement indicating whether due to denial of costs in 2006 EDR by the Board

<sup>3</sup> Provide supporting statement indicating nature of this adjustments and periods they relate to

<sup>4</sup> Opening balances assumed to be zero as a result of clearance of December 2004 balances cleared in 2006 Regulatory Asset process



Name of LDC: Waterloo North Hydro Inc.  
 File Number: EB-2009-0210  
 Effective Date: Saturday, May 01, 2010

## Regulatory Assets - Continuity Schedule 2006

Account Description	Account Number	Opening Principal Amounts as of Jan-1 06	Transactions (additions) during 2006, excluding interest and adjustments <sup>1</sup>	Transactions (reductions) during 2006, excluding interest and adjustments <sup>1</sup>	Adjustments during 2006 - instructed by Board <sup>2</sup>	Adjustments during 2006 - other <sup>3</sup>	Transfer of Board-approved amounts to 1590 as per 2006 EDR	Closing Principal Balance as of Dec-31-06	Opening Interest Amounts as of Jan-1 06	Interest Recovery Transactions during 2006	Interest Jan-1 to Dec31-06	Transfer of Board-approved amounts to 1590 as per 2006 EDR	Closing Interest Amounts as of Dec-31-06
LV Variance Account	1550	0	3,793					3,793	0		261		261
RSVA - Wholesale Market Service Charge	1580	1,019,894	(1,821,760)					(801,866)	23,949		21,154		45,103
RSVA - Retail Transmission Network Charge	1584	(12,424)	(167,749)					(180,172)	(5,585)		(3,465)		(9,050)
RSVA - Retail Transmission Connection Charge	1586	(3,339,615)	(1,253,366)					(4,592,981)	(124,469)		(245,621)		(370,090)
RSVA - Power (Excluding Global Adjustment)	1588	(340,756)	(2,381,164)					(2,721,920)	6,900		(84,291)		(77,391)
RSVA - Power (Global Adjustment Sub-account)		(780,470)	1,338,926					558,456	(22,137)		4,213		(17,924)
Recovery of Regulatory Asset Balances	1590	0	656,132				(2,323,644)	(1,667,512)	0		(60,671)	431,601	370,931
Disposition and recovery of Regulatory Balances Account	1595	0						0	0				0
<b>Total</b>		<b>(3,453,371)</b>	<b>(3,625,188)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(2,323,644)</b>	<b>(9,402,203)</b>	<b>(121,342)</b>	<b>0</b>	<b>(368,419)</b>	<b>431,601</b>	<b>(58,160)</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



Name of LDC: Waterloo North Hydro Inc.  
 File Number: EB-2009-0210  
 Effective Date: Saturday, May 01, 2010

## Regulatory Assets - Continuity Schedule 2007

Account Description	Account Number	Opening Principal Amounts as of Jan-1 07	Transactions (additions) during 2007, excluding interest and adjustments <sup>1</sup>	Transactions (reductions) during 2007, excluding interest and adjustments <sup>1</sup>	Adjustments during 2007 - instructed by Board <sup>2</sup>	Adjustments during 2007 - other <sup>3</sup>	Closing Principal Balance as of Dec-31-07	Opening Interest Amounts as of Jan-1 07	Interest Recovery Transactions during 2007	Interest Jan-1 to Dec31-07	Closing Interest Amounts as of Dec-31-07
LV Variance Account	1550	3,793		(1,635)			2,158	261		384	645
RSVA - Wholesale Market Service Charge	1580	(801,866)	(1,775,171)				(2,577,037)	45,103		(76,542)	(31,439)
RSVA - Retail Transmission Network Charge	1584	(180,172)	(217,927)				(398,099)	(9,050)		(9,485)	(18,535)
RSVA - Retail Transmission Connection Charge	1586	(4,592,981)	310,879				(4,282,102)	(370,090)		(213,778)	(583,868)
RSVA - Power (Excluding Global Adjustment)	1588	(2,721,920)	(750,528)				(3,472,448)	(77,391)		(184,484)	(261,875)
RSVA - Power (Global Adjustment Sub-account)		558,466	(239,561)				318,895	(17,924)		12,737	(5,187)
Recovery of Regulatory Asset Balances	1590	(1,667,512)	1,001,544				(665,968)	370,931		(56,532)	314,398
Disposition and recovery of Regulatory Balances Account	1595	0					0	0			0
<b>Total</b>		<b>(9,402,203)</b>	<b>(1,670,763)</b>	<b>(1,635)</b>	<b>0</b>	<b>0</b>	<b>(11,074,602)</b>	<b>(58,160)</b>	<b>0</b>	<b>(527,701)</b>	<b>(585,861)</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



Name of LDC: Waterloo North Hydro Inc.  
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## Regulatory Assets - Continuity Schedule 2008

Account Description	Account Number	Opening Principal Amounts as of Jan-1 08	Transactions (additions) during 2008, excluding interest and adjustments <sup>1</sup>	Transactions (reductions) during 2008, excluding interest and adjustments <sup>1</sup>	Adjustments during 2008 - instructed by Board <sup>2</sup>	Adjustments during 2008 - other <sup>3</sup>	Transfer of Board-approved 2006 amounts to 1595 (2008 COS) <sup>4</sup>	Closing Principal Balance as of Dec-31-08	Opening Interest Amounts as of Jan-1 08	Interest Recovery Transactions during 2008	Interest Jan-1 to Dec31-08	Transfer of Board-approved 2006 interest amounts to 1595 (2008 COS)	Closing Interest Amounts as of Dec-31-08
LV Variance Account	1550	2,158	4,021					6,179	645		(193)		452
RSVA - Wholesale Market Service Charge	1580	(2,577,037)	(823,106)					(3,400,143)	(31,439)		(119,184)		(150,623)
RSVA - Retail Transmission Network Charge	1584	(398,099)	(444,463)					(842,562)	(18,535)		(32,501)		(51,036)
RSVA - Retail Transmission Connection Charge	1586	(4,282,102)	(210,663)					(4,492,765)	(583,868)		(176,722)		(760,590)
RSVA - Power (Excluding Global Adjustment)	1588	(3,472,448)	(895,239)					(4,367,687)	(261,875)		(163,122)		(424,997)
RSVA - Power (Global Adjustment Sub-account)		318,895	641,895					960,790	(5,187)		16,101		10,914
Recovery of Regulatory Asset Balances	1590	(665,968)	329,493					(336,475)	314,398		(16,783)		297,615
Disposition and recovery of Regulatory Balances Account	1595	0						0	0				0
<b>Total</b>		<b>(11,074,602)</b>	<b>(1,398,062)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(12,472,663)</b>	<b>(585,861)</b>	<b>0</b>	<b>(492,405)</b>	<b>0</b>	<b>(1,078,265)</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.



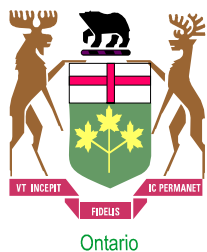
Name of LDC: Waterloo North Hydro Inc.  
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### Regulatory Assets - Continuity Schedule Final

Account Description	Account Number	Opening Principal Amounts as of Jan-1-09 A	Transfer of Board-approved 2007 amounts to 1595 (2009 COS) B	Principal Amounts After Transfer to 1595 C = A + B	Opening Interest Amounts as of Jan-1-09 D	Interest on Board-approved 2007 amounts Prior to transfer Jan-1, 2009 to Date of Transfer E	Transfer of Board-approved 2007 interest amounts to 1595 (2009 COS) F	Projected Interest on Dec 31 -08 balance on Jan 1, 2009 to Dec 31, 2009 <sup>1</sup> G	Projected Interest on Dec 31 -08 balance from Jan 1, 2010 to April 30, 2010 <sup>1</sup> H	Total Claim I = C + D + E + F + G + H
LV Variance Account	1550	6,179		6,179	452			70	11	6,712
RSVA - Wholesale Market Service Charge	1580	(3,400,143)		(3,400,143)	(150,623)			(38,445)	(6,148)	(3,595,359)
RSVA - Retail Transmission Network Charge	1584	(842,562)		(842,562)	(51,036)			(9,527)	(1,524)	(904,648)
RSVA - Retail Transmission Connection Charge	1586	(4,492,765)		(4,492,765)	(760,590)			(50,799)	(8,124)	(5,312,277)
RSVA - Power (Excluding Global Adjustment)	1588	(4,367,687)		(4,367,687)	(424,997)			(49,385)	(7,898)	(4,849,966)
RSVA - Power (Global Adjustment Sub-account)		960,790		960,790	10,914			10,864	1,737	984,305
Recovery of Regulatory Asset Balances	1590	(336,475)		(336,475)	297,615			(3,804)	(608)	(43,274)
Disposition and recovery of Regulatory Balances Account	1595	0		0	0			0	0	0
<b>Total</b>		<b>(12,472,663)</b>	<b>0</b>	<b>(12,472,663)</b>	<b>(1,078,265)</b>	<b>0</b>	<b>0</b>	<b>(141,027)</b>	<b>(22,553)</b>	<b>(13,714,508)</b>

<sup>1</sup> Interest projected on December 31, 2008 closing principal balance.

Month	Prescribed Rate	Monthly Interest	Month	Prescribed Rate	Monthly Interest
Saturday, January 31, 2009	2.45	0.2081	Sunday, January 31, 2010	0.55	0.0467
Saturday, February 28, 2009	2.45	0.1879	Sunday, February 28, 2010	0.55	0.0422
Tuesday, March 31, 2009	2.45	0.2081	Wednesday, March 31, 2010	0.55	0.0467
Thursday, April 30, 2009	1.00	0.0822	Friday, April 30, 2010	0.55	0.0452
Sunday, May 31, 2009	1.00	0.0849	<b>Effective Rate</b>		<b>0.1808</b>
Tuesday, June 30, 2009	1.00	0.0822			
Friday, July 31, 2009	0.55	0.0467			
Monday, August 31, 2009	0.55	0.0467			
Wednesday, September 30, 2009	0.55	0.0452			
Saturday, October 31, 2009	0.55	0.0467			
Monday, November 30, 2009	0.55	0.0452			
Thursday, December 31, 2009	0.55	0.0467			
<b>Effective Rate</b>		<b>1.1307</b>			



**Name of LDC:** Waterloo North Hydro Inc.  
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## Threshold Test

Rate Class	Billed kWh B
Residential	405,004,360
General Service Less Than 50 kW	182,128,005
General Service 50 to 4,999 kW	674,782,770
Large Use	98,474,246
Unmetered Scattered Load	1,773,198
Street Lighting	7,547,793
	<hr/>
	1,369,710,372
Total Claim	(13,714,508 )
Total Claim per kWh	- 0.010013



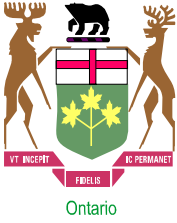
**Name of LDC:** Waterloo North Hydro Inc.  
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## Cost Allocation - kWh

Rate Class	Billed kWh	% kWh						Total
			1550	1580	1584	1586	1588 <sup>1</sup>	
Residential	405,004,360	29.6%	1,984	(1,063,098 )	(267,492 )	(1,570,767 )	(1,434,068 )	(4,333,440 )
General Service Less Than 50 kW	182,128,005	13.3%	892	(478,069 )	(120,289 )	(706,364 )	(644,892 )	(1,948,722 )
General Service 50 to 4,999 kW	674,782,770	49.3%	3,306	(1,771,241 )	(445,672 )	(2,617,074 )	(2,389,318 )	(7,219,998 )
Large Use	98,474,246	7.2%	483	(258,486 )	(65,039 )	(381,922 )	(348,684 )	(1,053,648 )
Unmetered Scattered Load	1,773,198	0.1%	9	(4,654 )	(1,171 )	(6,877 )	(6,279 )	(18,973 )
Street Lighting	7,547,793	0.6%	37	(19,812 )	(4,985 )	(29,273 )	(26,726 )	(80,759 )
	<u>1,369,710,372</u>	<u>100.0%</u>	<u>6,712</u>	<u>(3,595,359 )</u>	<u>(904,648 )</u>	<u>(5,312,277 )</u>	<u>(4,849,966 )</u>	<u>(14,655,540 )</u>

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



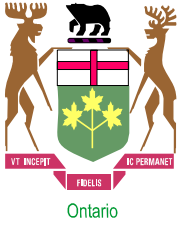


**Name of LDC:** Waterloo North Hydro Inc.  
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## Cost Allocation - Non-RPP kWh

Rate Class	Non-RPP kWh	% kWh	1588 <sup>1</sup>
Residential	57,694,400	7.4%	72,510
General Service Less Than 50 kW	30,504,955	3.9%	38,338
General Service 50 to 4,999 kW	596,067,646	76.1%	749,134
Large Use	98,917,380	12.6%	124,319
Unmetered Scattered Load	3,004	0.0%	4
Street Lighting	0	0.0%	0
	<b>783,187,385</b>	<b>100.0%</b>	<b>984,305</b>

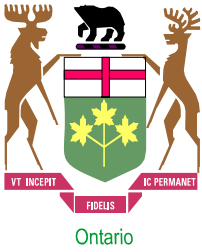
<sup>1</sup> RSVA - Power (Global Adjustment Sub-account)



**Name of LDC:** Waterloo North Hydro Inc.  
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## Cost Allocation - 1590

Rate Class	1590 Recovery Share Proportion	1590
Residential	8.1%	(3,505 )
General Service Less Than 50 kW	14.3%	(6,188 )
General Service 50 to 4,999 kW	57.3%	(24,796 )
Large Use	18.7%	(8,092 )
Unmetered Scattered Load	0.3%	(130 )
Street Lighting	1.3%	(563 )
	<b>100.0%</b>	<b>(43,274 )</b>



**Name of LDC:** Waterloo North Hydro Inc.  
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## Cost Allocation - 1595

Rate Class	1595 Recovery Share Proportion	1595
Residential	0.0%	0
General Service Less Than 50 kW	0.0%	0
General Service 50 to 4,999 kW	0.0%	0
Large Use	0.0%	0
Unmetered Scattered Load	0.0%	0
Street Lighting	0.0%	0
	<b>0.0%</b>	<b>0</b>



Name of LDC: Waterloo North Hydro Inc.  
 File Number: EB-2009-0210  
 Effective Date: Saturday, May 01, 2010

## Calculation of Regulatory Asset Recovery Rate Rider

Rate Rider Recovery Period - Years **Four**

Rate Rider Effective To Date

**Wednesday, April 30, 2014**

Rate Class	Vol Metric	Billed kWh A	Billed kW B	kWh C	Non-RPP D	1590 E	1595 F	Total G = C + D + E + F	Rate Rider kWh H = G / A (kWh) or H = G / B (kW)
Residential	kWh	405,004,360	0	(4,333,440 )	72,510	(3,505 )	0	(4,264,435 )	(0.00263)
General Service Less Than 50 kW	kWh	182,128,005	0	(1,948,722 )	38,338	(6,188 )	0	(1,916,571 )	(0.00263)
General Service 50 to 4,999 kW	kW	674,782,770	1,634,140	(7,219,998 )	749,134	(24,796 )	0	(6,495,659 )	(0.99374)
Large Use	kW	98,474,246	191,106	(1,053,648 )	124,319	(8,092 )	0	(937,422 )	(1.22631)
Unmetered Scattered Load	kWh	1,773,198	0	(18,973 )	4	(130 )	0	(19,099 )	(0.00269)
Street Lighting	kW	7,547,793	20,906	(80,759 )	0	(563 )	0	(81,322 )	(0.97247)
		<u>1,369,710,372</u>	<u>1,846,152</u>	<u>(14,655,540 )</u>	<u>984,305</u>	<u>(43,274 )</u>	<u>0</u>	<u>(13,714,508 )</u>	

Enter the above value onto Sheet  
 "J2.1 DeferralAccount Rate Rider"  
 of the 2010 OEB IRM2 Rate Generator  
 "J2.5 DeferralAccount Rate Rider2"  
 of the 2010 OEB IRM3 Rate Generator



**Name of LDC:** Waterloo North Hydro Inc.  
**File Number:** EB-2009-0210  
**Effective Date:** Saturday, May 01, 2010

## 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	(6,179 )	(533 )	(6,712 )
RSVA - Wholesale Market Service Charge	1580	3,400,143	195,216	3,595,359
RSVA - Retail Transmission Network Charge	1584	842,562	62,086	904,648
RSVA - Retail Transmission Connection Charge	1586	4,492,765	819,513	5,312,277
RSVA - Power (Excluding Global Adjustment)	1588	4,367,687	482,280	4,849,966
RSVA - Power (Global Adjustment Sub-account)	1588	(960,790 )	(23,515 )	(984,305 )
Recovery of Regulatory Asset Balances	1590	336,475	(293,202 )	43,274
Disposition and recovery of Regulatory Balances Account	1595	(12,472,663 )	(1,241,845 )	(13,714,508 )
Total		0	0	0