



WATERLOO NORTH HYDRO INC.

**January 1, 2017 IRM
Rate Filing**

EB-2016-0109

ED-2002-0575



Albert P. Singh, MBA, CPA, CGA
Vice-President, Finance & CFO

WATERLOO NORTH HYDRO INC.

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August 15, 2016

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

Attention: Ms. Kirsten Walli, Board Secretary

Dear Ms Walli:

Re: January 1, 2017 IRM Rate Filing / EB-2016-0109

Pursuant to Chapter 3 of the Filing Requirements for Transmission and Distribution Applications and 4th generation incentive regulation mechanism (IRM4) policies and Instructions for Filing 2017 Rate Applications, Waterloo North Hydro Inc. hereby submits its January 1, 2017 Rate Adjustment application together with all relevant working papers. We enclose two (2) hard copies of the Manager's Summary and Attachments.

WNH has previously forwarded the PDF version and Excel Files containing Supporting Documentation and the Models via the Board's web portal.

If there are any questions, please contact Alyson Conrad at 519-888-5550, aconrad@wnhydro.com or me at 519-888-5542, asingh@wnhydro.com.

Yours truly,

Original signed by

Albert P. Singh, MBA, CPA, CGA
Vice-President, Finance and CFO

Waterloo North Hydro Inc. Distribution Rate Adjustment Application

SUMMARY OF APPLICATION

EB-2016-0109 / 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 for January 1, 2017 Distribution Rate Adjustments and PILs, issued for the revised model and instructions on July 26, 2016, and in accordance with July 14, 2016 Chapter 3 of the Filing Requirements for Transmission and Distribution Applications.

Article I.

1.0a Introduction

- 1.1 Waterloo North Hydro Inc. ("Waterloo North Hydro" or "WNH") submits this Application and supporting documentation for a rate adjustment, funding adder and rate riders pursuant to the Ontario Energy Board's Filing Guidelines for January 1, 2017 Distribution Rate Adjustments and PILs, issued for the revised model and instructions on July 26, 2016.
- 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 November 26, 2015 for revised rate adjustments, effective January 1, 2016, to its unbundled distribution rates in accordance with the Board's July 16, 2015 Chapter 2 Cost of Service Filing Requirements for Transmission and Distribution Applications, its associated 2016 PILs, Fixed and Volumetric Rate Riders, and adjustment to its Retail Transmission Service Rates [EB-2015-0108].
- 1.4 In this filing, Waterloo North Hydro is seeking approval for rate adjustments, to be effective and implemented January 1, 2017, to its unbundled distribution rates in accordance with Chapter 3 of the Filing Requirements for Transmission and Distribution Applications and 4th Generation Incentive Regulation Mechanism (IRM4) policies, its associated Fixed and Volumetric Rate Riders and adjustment to its Retail Transmission Service Rates as provided in the Board's model and instructions on July 26, 2016.
- 1.5 Contact Information for the 2017 IRM Application:

Albert P. Singh, MBA, CPA, CGA
Vice-President Finance & CFO
519-888-5542
asingh@wnhydro.com

1.0b Company Size and Number of Customers

- 1.6 Waterloo North Hydro is a municipally owned electric distribution company. Waterloo North Hydro serves approximately 56,000 residential, commercial, and industrial customers in the City of Waterloo and the Townships of Wellesley and Woolwich.

1.0c Customer Profile

- 1.7 The Company currently uses seven customer classes for the purpose of distribution rates and billing: Residential, General Service < 50 kW, General Service > 50 kW, Large Use, Street Lighting, Unmetered Scattered Load and Embedded Distributor.
- 1.8 The General Service < 50 kW class consists of a wide range of customers including: office buildings, medium and small commercial and industrial establishments, farms, apartment and condominium buildings.
- 1.9 The General Service > 50 kW class is typically comprised of large commercial and industrial customers.
- 1.10 The Large Use class consists of one large use customer with an average load over five megawatts.
- 1.11 The Street Light class contributes less than 1% to the Company's current distribution revenue.
- 1.12 The Unmetered Scattered Load class contributes less than 1% to the Company's current distribution revenue.
- 1.13 The Embedded Distributor rate class contributes less than 1% to the Company's current distribution revenue

1.0d Previously Denied Amounts

1.14 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:

Waterloo North Hydro has provided the following Attachments:

Attachment	Description
A	Rate Generator Model
B	Additional Rate Rider Calculation - Capacity Based Recovery
C	Current January 1, 2016 Tariff Sheet
D	Rate Impacts by Rate Class
E	2016 Cost of Service Settlement Agreement
F	Revenue Requirement Work Form

2.1 2017 Rate Generator and Supplementary Work Forms

Waterloo North Hydro (WNH) has included in its application a completed 2017 Rate Generator Model as Attachment A. The Model has been provided in both electronic (Excel) and PDF form. Additionally, Waterloo North Hydro has included the Rate Rider Calculation of Capacity Based Recovery for Class B customers which was to be calculated outside of the Model in Attachment B. Waterloo North Hydro has also included its Settlement Agreement and Revenue Requirement Work Form from its 2016 Cost of Service Filing (EB-2015-0108) as Attachment E and F respectively.

2.2 Current Tariff Sheet

Waterloo North Hydro has included in its application a PDF Copy of the Current January 1, 2016 Tariff Sheet as Attachment C.

2.3 Customers Affected

This application will affect all of Waterloo North Hydro's rate classes and therefore all of its customers.

Waterloo North Hydro expects that 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.

2.4 Price Cap Index Adjustment

Waterloo North Hydro has used the model proxy values of 2.1% as the Price Escalator (GDP-IPI), a 0.0% Productivity Factor and a Group III 0.3% Stretch Factor Value, for a Price Cap Index of 1.8%, as prescribed in Sheet 16 of the 2017 Rate Generator Model. Waterloo North Hydro understands that the Board staff will adjust, in Waterloo North Hydro's 2017 rate application model, for the final GDP-IPI once it is available.

2.5 Accuracy of Billing Determinants

Waterloo North Hydro confirms the accuracy of the billing determinants that were pre-populated in the model with the exception of the following items in the Bill Impacts sheet:

- i) The Large Use class did not have RTSR-Network and RTSR – Connection and/or Line and Transformation Connection charges

populated for the Current OEB-Approved Rates or the Proposed Rates. These rates have been populated by Waterloo North Hydro.

ii) The Standard Supply Service Charge was not populated for the General Service 50 to 4,999 kW, Large Use, Street Lighting and Embedded Distributor Rate Classes. These rates have been populated by Waterloo North Hydro.

iii) The General Service 50 to 4,999 kW Service Classification had errors in the Current OEB Approved lines for Volumetric Rate Riders and Total Deferral/Variance Account Rate Riders. The pre-populated amounts included both rates for Wholesale Market Participants and Non-Wholesale Market Participants. For best comparability, Waterloo North Hydro populated the Rate Riders for Non-Wholesale Market Participant only.

iv) The Embedded Distributor Rate Class did not pre-populate the Rate Rider for Capacity Based Recovery in the Proposed Rate Column. Waterloo North Hydro has adjusted the Total Deferred/Variance Account Rate Riders line from -\$1.4477 kW to -\$1.3232 kW.

v) On the Tariff Sheet for General Service 50 to 4,999 kW, line 182 should also state "Applicable only for Wholesale Market Participants".

2.6 Tax Sharing

Waterloo North Hydro has included in its application the Tax Sharing Calculations in Sheets 9 and 10 of the Rate Generator Model. In accordance with IRM4, a 50/50 sharing of the impact of currently known legislated tax changes as applied to the tax level reflected in the Board-approved base rates has been calculated. There have been no known legislative tax changes and therefore no associated Tax Savings Rate Rider has been calculated for any rate class.

2.7 Deferral and Variance Account Balances

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 4 of its 2017 Rate Generator Model. Waterloo North Hydro has included its detailed information and calculations in Sheet 3 to Sheet 7 of its 2017 Rate Generator Model and included its final proposed rate riders in Sheet 19 of its 2017 Rate Generator Model (Attachment A).

The Group 1 Account Balances include the Low Voltage Variance Account; the Smart Metering Entity (SME) Charge Variance; the RSVA Accounts – Wholesale Market Service Charge, Variance WMS – Sub-account CBR Class B, Retail Transmission Network Charge, Retail Transmission Connection Charge, Power and Global Adjustment Balances and Disposition and Recovery/Refund of Regulatory Balances capture the variances from January 1, 2015 through December 31, 2015.

Waterloo North Hydro is proposing a one year disposition period in the repayment of its Group 1 Deferral and Variance Account Balances at December 31, 2015. This disposition period is in accordance with the Board's EDDVAR Report default disposition period of one year for deferral and variance accounts.

Waterloo North Hydro has provided a summary of the Deferral and Variance accounts proposed for disposition in Table 2.7a below. Waterloo North Hydro notes that in Sheet 3 Column BQ of the 2017 Rate Generator Model it has recorded the Projected Interest for January 2016 to December 2016 on Waterloo North Hydro's 2015 balances.

In Column BV of Sheet 3, 2017 Continuity Schedule of Deferral and Variance Balances of the 2017 Rate Generator Model, the Variance between the 2.1.7 RRR data and the 2015 Balance (Principal and Interest)

is calculated. The only variances relate to the Capacity Based Recovery for Class A and Class B which in 2015 were included within the Wholesale Market Service Charge Account 1580 in the 2.1.7, however, have been allocated to their correct CBR subaccounts in this filing. The variances in Account 1580 and the subaccounts for CBR net to \$0. In 2016, the CBR variance for Class A has been settled with the Class A customer. The Class B CBR amount has been claimed for disposition in this filing.

As per the instructions on Sheet 3, 2017 Continuity Schedule of Deferral and Variance Balances of the 2017 Rate Generator Model, the LRAM Variance Account details have not been input as we are not applying for disposition of this account. The balance listed in column BU, 2.1.7 RRR data is accurate for December 31, 2015. The 2014 LRAMVA variance was approved in the 2016 Cost of Service Application. The 2015 LRAM results have not yet been finalized by the IESO.

Waterloo North Hydro has detailed in Tables 2.7b and 2.7c below the Cost Allocation and Calculation of the Rate Riders for the Deferral and Variance Accounts. Waterloo North Hydro notes that the Rate Rider for Global Adjustment is applicable only for Non-RPP Customers. Waterloo North Hydro has included the Calculation of Projected Interest on December 31, 2015 Balances for accounts included in the Total Claim in Table 2.7d.

The instructions on Sheet 3, 2017 Continuity Schedule of Deferral and Variance Balances of the 2017 Rate Generator Model states *“if you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.”* Waterloo North Hydro received approval for the December 31, 2014 balances in its January 1, 2016 Cost of Service Application and therefore the starting

point is the 2013 year. The opening principal amounts have been included in column AL 'Principal Adjustments during 2013' and column AQ 'Interest Adjustments during 2013' of Sheet 3.

Waterloo North Hydro would like to note that Claim Amount for the Disposition and Recovery/Refund of Regulatory Balances (2014) in cell BT35 on Sheet 3, 2017 Continuity Schedule of Deferral and Variance Balances of the 2017 Rate Generator Model is \$142,497, however the amount that is carried forward in the Model onto Sheet 5, Allocating Deferral Variance Balances is \$142,483. The difference of \$14 is not material and WNH has not adjusted for this difference.

Waterloo North Hydro has made adjustments in Column BK in order to adjust to the approved interest balance from the 2016 Cost of Service Rate Filing which is reflected in column BN. The net amount of this adjustment is \$4,977.

Waterloo North Hydro did not make any adjustments to deferral and variance account balances that were previously approved by the Board on a final basis.

Table 2.7a – Summary of Deferral and Variance Accounts

Account Descriptions	Account Number	Closing Principal Balances as of Dec 31-15 Adjusted for Dispositions during 2016	Closing Interest Balances as of Dec 31-15 Adjusted for Dispositions during 2016	Projected Interest from Jan 1, 2016 to December 31, 2016 on Dec 31 -15 balance adjusted for disposition during 2016	Total Claim \$
Group 1 Accounts					
LV Variance Account	1550	107,063	157	1,178	108,398
Smart Metering Entity Charge Variance Account	1551	(9,044)	48	(99)	(9,095)
RSVA - Wholesale Market Service Charge	1580	(3,201,078)	(10,639)	(30,938)	(3,242,655)
Variance WMS – Sub-account CBR Class A <i>Not to be disposed of through IRM Process</i>	1580	19,916	66	110	
Variance WMS – Sub-account CBR Class B	1580	368,591	1,206	4,055	373,852
RSVA - Retail Transmission Network Charge	1584	(410,700)	(2,548)	(4,518)	(417,766)
RSVA - Retail Transmission Connection Charge	1586	(70,449)	(175)	(775)	(71,399)
RSVA - Power	1588	(1,145,965)	(8,918)	(12,606)	(1,167,489)
RSVA - Global Adjustment	1589	1,654,466	16,947	18,199	1,689,612
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	-	-		-
Disposition and Recovery/Refund of Regulatory Balances (2010) <i>Disposed of in 2016 Cost of Service Application as of January 1, 2016</i>	1595	839	6,512		-
Disposition and Recovery/Refund of Regulatory Balances (2011) <i>Disposed of in 2016 Cost of Service Application as of January 1, 2016</i>	1595	(221)	(175)		-
Disposition and Recovery/Refund of Regulatory Balances (2012) <i>Disposed of in 2016 Cost of Service Application as of January 1, 2016</i>	1595	684	1,745		-
Disposition and Recovery/Refund of Regulatory Balances (2013) <i>Disposed of in 2016 Cost of Service Application as of January 1, 2016</i>	1595	1,337	749		-
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	229,221	(89,245)	2,521	142,497
Disposition and Recovery/Refund of Regulatory Balances (2015) <i>Not to be disposed of unless rate rider has expired and balance has been audited</i>	1595	(434,164)	(36,161)	(4,776)	
RSVA - Global Adjustment		1,654,466	16,947	18,199	1,689,612
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(4,543,970)	(137,378)	(45,848)	(4,283,657)
Total Group 1 Balance	1589	(2,889,504)	(120,431)	(27,649)	(2,594,045)
LRAM Variance Account	1568	-	-	-	-
Total including Account 1568		(2,889,504)	(120,431)	(27,649)	(2,594,045)

Table 2.7b – Cost Allocation Deferral & Variance Balances

Allocation of Group 1 Accounts (Excluding Account 1589 - Global Adjustment)												
Rate Class	Unit	Metered kWh	% of Total kWh	% of Customer Numbers **	1550	1551	1580	1584	1586	1588*	1595_(2014)	Total
Residential	\$/kWh	404,728,026	28.2%	89.7%	30,589	(8,161)	(919,397)	(117,889)	(20,148)	(331,021)	33,572	(1,332,454)
General Service Less Than 50 kW	\$/kWh	196,078,596	13.7%	10.3%	14,819	(934)	(445,420)	(57,114)	(9,761)	(160,370)	15,931	(642,848)
General Service 50 to 4,999 kW	\$/kW	696,649,002	48.6%		52,652	-	(1,567,111)	(202,920)	(34,680)	(564,224)	81,836	(2,234,446)
Large Use	\$/kW	92,984,875	6.5%		7,028	-	(211,228)	(27,085)	(4,629)	(76,051)	6,583	(305,380)
Unmetered Scattered Load	\$/kWh	2,649,180	0.2%		200	-	(6,018)	(772)	(132)	(2,167)	142	(8,747)
Street Lighting	\$/kW	7,608,120	0.5%		575	-	(17,283)	(2,216)	(379)	(6,223)	912	(24,614)
Embedded Distributor	\$/kW	33,543,395	2.3%		2,535	-	(76,199)	(9,771)	(1,670)	(27,435)	3,505	(109,035)
Total		1,434,241,194	100.0%	100.0%	108,398	(9,095)	(3,242,655)	(417,766)	(71,399)	(1,167,489)	142,483	(4,657,523)

* RSVA - Power (Excluding Global Adjustment)

** Calculation based on Residential and GS < 50kW Customers only. Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges.

1589 RSVA - Global Adjustment			
Rate Class	Unit	Billed kWh for Non-RPP Customers	% of Total Non-RPP kWh
Residential	\$/kWh	16,106,600	2.2%
General Service Less Than 50 kW	\$/kWh	33,798,913	4.7%
General Service 50 to 4,999 kW	\$/kW	626,248,595	87.3%
Large Use	\$/kW	-	0.0%
Unmetered Scattered Load	\$/kWh	3,752	0.0%
Street Lighting	\$/kW	7,579,933	1.1%
Embedded Distributor	\$/kW	33,543,395	4.7%
Total		717,281,188	100.0%

Table 2.7c – Calculation of Deferral & Variance Rate Riders

Please indicate the Rate Rider Recovery Period (in years)

1

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Allocation of Group 1 Account Balances to All Classes	Allocation of Group 1 Account Balances to Non-WMP Classes Only	Deferral/Variance Account Rate Rider	Deferral/Variance Account Rate Rider for Non-WMP	Total GA \$ allocated to Current Class B Customers	Global Adjustment Rate Rider
Residential *	\$/kWh	404,728,026		(1,332,454)		(0.0033)		37,940	0.0024
General Service Less Than 50 kW	\$/kWh	196,078,596		(642,848)		(0.0033)		79,616	0.0024
General Service 50 to 4,999 kW	\$/kW	696,649,002	1,747,019	(103,113)	(2,131,335)	(0.0590)	(1.2285)	1,475,178	0.0024
Large Use	\$/kW	92,984,875	170,151	(305,382)		(1.7948)		-	-
Unmetered Scattered Load	\$/kWh	2,649,180	-	(8,746)		(0.0033)		9	0.0024
Street Lighting	\$/kW	7,608,120	21,206	(24,613)		(1.1607)		17,855	0.0024
Embedded Distributor	\$/kW	33,543,395	75,403	(109,033)		(1.4460)		79,014	0.0024
Total		1,434,241,194	2,013,779	(2,526,188)	(2,131,335)			1,689,612	

Table 2.7d - Calculation of Projected Interest on December 31, 2015 Balances

Account Description	USoA #	December 31, 2015 Closing Balance after Approved Dispositions for 2016	Interest Rate	Projected Interest from Jan 1, 2016 to December 31, 2016 on Dec 31 -15 balance adjusted for disposition during 2016
LV Variance Account	1550	\$ 107,063	1.10%	\$ 1,178
Smart Metering Entity Charge Variance Account	1551	\$ (9,044)	1.10%	\$ (99)
RSVA - Wholesale Market Service Charge (less CBR Class A)	1580	\$ (2,812,571)	1.10%	\$ (30,938)
Variance WMS – Sub-account CBR Class B	1580	\$ 368,591	1.10%	\$ 4,055
RSVA - Retail Transmission Network Charge	1584	\$ (410,700)	1.10%	\$ (4,518)
RSVA - Retail Transmission Connection Charge	1586	\$ (70,449)	1.10%	\$ (775)
RSVA - Power	1588	\$ (1,145,965)	1.10%	\$ (12,606)
RSVA - Global Adjustment	1589	\$ 1,654,466	1.10%	\$ 18,199
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	\$ 229,221	1.10%	\$ 2,521
Total		\$ (2,089,388)		\$ (22,983)

** Interest only listed for items included in Total Claim for January 1, 2017 rates.

2.8 Capacity Based Recovery

Waterloo North Hydro has followed the July 25, 2016 Accounting Guidance on Capacity Based Recovery. *“distributors are expected to file for disposition of Group 1 deferral and variance accounts pursuant to the applications process established by the OEB. Distributors are expected to report Account 1580 Variance – WMS, Sub-account CBR Class A and Class B on their continuity schedules. However, only Class B balances will be disposed through the rate proceedings.”* The Rate Rider for Capacity Based Recovery – Class B has been calculated outside of the Model in Attachment B and WNH has proposed its disposition in this application.

In Column BT of Sheet 3, 2017 Continuity Schedule of Deferral and Variance Balances of the 2017 Rate Generator Model the Total Claim amount for CBR Class B is \$373,852 which includes a Principal balance of \$368,591, Interest for January 1, 2015 to December 31, 2015 of \$1,206 and Projected Interest for January 1, 2016 to December 31, 2016 of \$4,055.

The Total Claim for Group 1 excluding Account 1589 – Global Adjustment on Sheet 3 is \$4,283,657 which differs from Sheet 7, Calculation of Deferred Variance Rate Riders of \$4,657,523. The difference is the \$373,852 for Capacity Based Recovery calculated outside of the Model, as well as the \$14 variance noted in Section 2.7 above.

2.9 Retail Transmission Service Rates

Electricity distributors are charged the Ontario Uniform Transmission Rates (“UTRs”) at the wholesale level and subsequently pass these charges on to their distribution customers through the Retail Transmission Service Rates (“RTSRs”). The UTRs are charges for network, line connection and transformation connection services.

The Board has incorporated the RTSR calculations within its 2017 IRM Model in Sheets 10 through 15.

Waterloo North Hydro has included its 2015 billing determinants as specified in Sheet 12, RTSR – Historical Wholesale of the 2017 IRM Model. As per the instructions on Sheet 12, any Hydro One data highlighted in orange requires explanation. Waterloo North Hydro has 3 highlighted cells in E42, I42 and M42. These variances in approved rates are due to the fact that the change in rate on May 1, 2015 occurred during the middle of the billing period. A portion of the units billed were at the pre-May 1 rate and a portion was at the post-May 1 rate.

Section 3.2.4 of Chapter 3 of the Board's Filing Requirements for Electricity Distribution Rate Applications – 2016 Edition for 2017 Rate Applications states *"the rate generator model will the most recent uniform transmission rates (UTRs) approved by the OEB (EB-2015-0311, issued on January 14, 2016 and effective January 1, 2016). Once any January 1, 2017 UTR adjustments have been determined, OEB staff will adjust each distributor's 2017 RTSR section of the rate generator to incorporate these changes where applicable."*

In Sheets 11 and 12 of the 2017 IRM Model, information for two additional Host Distributors has been included. The first Host Distributor listed is Kitchener-Wilmot Hydro (KW) and the second Host Distributor is Energy + (E+) - Formerly Cambridge & North Dumfries Hydro.

Waterloo North Hydro has inserted the following rates and consumption for its two Additional Host Distributors on Sheets 11 and 12 of the 2017 IRM Model as detailed in Table 2.9a below. Since Energy + has rate changes on May 1 of each year a blended rate has been calculated in 2.9b. These blended rates have been input on Sheet 11.

Table 2.9a Rate Orders Applicable to Host Distributors KW & CND

LDC	Filing #	Effective January 1, 2015		Effective January 1, 2016		Effective January 1, 2017
		Rate Order Applicable	Months Applicable To	Rate Order Applicable	Months Applicable To	Rate Order Applicable
KW	EB-2014-0089	January 1, 2015	2015			
	EB-2015-0084			January 1, 2016	2016	Used January 1, 2016 Rates
E+		May 1, 2014, Implementation Date August 1, 2014	Jan-Apr/15			
	EB-2013-0116	May 1, 2015	May-Dec/15			
	EB-2014-0060			May 1, 2015	Jan-Apr/16	
	EB-2015-0057			May 1, 2016	May-Dec/16	Used May 1, 2016 Rates

Table 2.9b Calculation of Energy + Blended Rates for 2015 and 2016

Energy + Network Service Rate	# of Months	Rate per Rate Order	RTSR per Sheet 11
EB-2013-0016	4	\$ 2.7207	\$ 0.9069
EB-2014-0060	8	\$ 2.6534	\$ 1.7689
2015 Rate			\$ 2.6758
EB-2014-0060	4	\$ 2.6534	\$ 0.8845
EB-2015-0057	8	\$ 2.4994	\$ 1.6663
2016 Rate			\$ 2.5507
Energy + Line and Transformation Connection Service Rate	# of Months	Rate per Rate Order	RTSR per Sheet 11
EB-2013-0016	4	\$ 1.9124	\$ 0.6375
EB-2014-0060	8	\$ 1.8473	\$ 1.2315
2015 Rate			\$ 1.8690
EB-2014-0060	4	\$ 1.8473	\$ 0.6158
EB-2015-0057	8	\$ 1.8475	\$ 1.2317
2016 Rate			\$ 1.8474

Waterloo North Hydro is proposing to also use KW & E+'s, January 1, 2016 and May 1, 2016 respectively, Approved Embedded Distributor Retail Transmission rates, in the RTSR Model's 'Effective January 1, 2017' column.

Waterloo North Hydro notes that in accordance with its billing arrangements with its Embedded Distributor, Retail Transmission Rates are not applicable.

Waterloo North Hydro has provided the proposed RTSR rates, as derived from Sheet 15 of the 2015 IRM model, in Table 2.9c below.

Table 2.9c Proposed January 1, 2017 Retail Transmission Service Rates

Rate Class	Unit	Proposed RTSR Network	Proposed RTSR Connection
Residential	\$/kWh	\$ 0.0070	\$ 0.0022
General Service Less Than 50 kW	\$/kWh	\$ 0.0064	\$ 0.0020
General Service 50 to 999 kW	\$/kW	\$ 2.6388	\$ 0.7828
General Service 50 to 999 kW - Interval Metered	\$/kW	\$ 2.8028	\$ 0.9777
General Service 1,000 to 4,999 kW - Interval Meters	\$/kW	\$ 2.7991	\$ 0.9767
Large Use	\$/kW	\$ 3.1032	\$ 0.9811
Unmetered Scattered Load	\$/kWh	\$ 0.0064	\$ 0.0020
Street Lighting	\$/kW	\$ 1.9903	\$ 0.6049
Embedded Distributor	\$/kW	\$ -	\$ -

Waterloo North Hydro has provided the details of the 2015 Retail Transmission Network and Connection kW Quantities, for which Waterloo North Hydro incurred charges, in Table 2.9d below.

Table 2.9d 2015 Retail Transmission Network and Connection kW Quantities

Month	NW - Network kW					CN - Line Connection					CN - Line Transformation				
	IESO	HONI	KW	E+	Total	IESO	HONI	KW	E+	Total	IESO	HONI	KW	E+	Total
Jan	213,748	3,518	4,589	9,581.0	231,436	214,801	3,607	4,589	9,581	232,578	23,257	3,607			26,864
Feb	204,564	3,389	4,595	9,340.0	221,888	215,513	3,525	4,622	9,571	233,231	23,952	3,525			27,477
Mar	200,240	3,071	4,141	8,998.0	216,450	203,791	3,211	4,317	9,085	220,404	24,327	3,211			27,538
Apr	176,680	2,357	3,558	8,467.0	191,062	188,347	2,357	3,558	8,498	202,760	23,129	2,357			25,486
May	211,203	2,854	3,663	8,844.0	226,564	212,978	2,890	3,663	8,858	228,389	21,385	2,890			24,275
Jun	208,753	2,558	3,686	8,508.0	223,505	218,979	2,740	3,686	8,508	233,913	21,930	2,740			24,670
Jul	242,447	2,711	4,452	9,586.0	259,196	247,962	2,880	4,452	9,586	264,880	26,302	2,880			29,182
Aug	238,065	2,774	4,396	9,721.0	254,956	242,656	2,936	4,396	9,721	259,709	23,977	2,936			26,913
Sep	240,898	2,995	4,570	9,644.0	258,107	245,819	3,125	4,570	9,644	263,158	24,989	3,125			28,114
Oct	170,343	2,679	3,580	8,122.0	184,724	186,135	2,846	3,580	8,122	200,683	20,484	2,845			23,329
Nov	187,768	2,927	4,004	8,684.0	203,383	203,363	2,956	4,004	8,684	219,007	21,379	2,956			24,335
Dec	188,229	2,969	4,270	8,573.0	204,041	206,092	3,067	4,270	8,573	222,002	21,962	3,067			25,029
Total	2,482,938	34,802	49,504	108,068	2,675,312	2,586,436	36,139	49,707	108,431	2,780,713	277,073	36,139	-	-	313,212

2.10 Low Voltage Service 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 is aware that the price cap index adjustment is no longer applied to the Low Voltage Service Rates and proposes to continue its low voltage cost recovery at its current level.

2.11 Global Adjustment

Section 3.2.5.2 of Chapter 3 of the Board's Filing Requirements for Electricity Distribution Rate Applications – 2016 Edition for 2017 Rate Applications states *"a distributor must also support their GA claims with a description of their settlement process with the IESO or host distributor. It must specify the GA rate it uses when billing its customers (1st estimate, 2nd estimate or actual) for each rate class, itemize its process for providing consumption estimates to the IESO, and describe the true-up for process to reconcile estimates of RPP and non-RPP consumption once actuals are known. The description should detail the distributor's method for estimating RPP and non-RPP consumption, as well as its treatment of embedded generation or any embedded distribution customers"*.

Waterloo North Hydro bills all non-RPP Class B customers using the 1st estimate. If the billing period spans two multiple months and GA rates then a weighted average GA rate is used. When completing RPP vs. market price claim submitted via the IESO Portal, Waterloo North Hydro calculates the RPP volume (kWh) using a bottom up approach, i.e. aggregating individual customer consumption. This calculation is based on billed consumption. Since Waterloo North Hydro uses a cash basis (billed), no estimates are used, however Waterloo North Hydro does reconcile the quarterly RPP vs market price claim settlement with the IESO to ensure that the accuracy of the data. The 2nd estimate is used to

support the RPP vs. market price claim submitted. True-ups for RPP volumes, RPP tiered loads and GA rates for the RPP volumes are done on a monthly basis. When there is an error in a customer's bill the adjustments are accounted for in the month that they are discovered, and therefore included in the following month's IESO settlement process. For Embedded Generation customers Waterloo North Hydro uses actual hourly meter data to determine the volume that is reported via the IESO portal. The wholesale market price is directly calculated using hourly HOEP (with hourly generation).

3.0 Proposed Rates

Waterloo North Hydro has provided the Proposed January 1, 2017 Tariff of Rates and Charges in Table 3.0a below. The Rate Generator Model, which calculated the proposed rates and charges and the Tariff Schedule, has been submitted in excel format with this application.

Waterloo North Hydro proposes to implement the new rates as of January 1, 2017. Waterloo North Hydro will prorate the customers' bills in order that consumption prior to January 1, 2017 will be billed at its current approved rates and post January 1, 2017 consumption will be billed at the rates proposed in this rate application.

Table 3.0a Proposed January 1, 2017 Tariff of Rate and Charges

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2016-0109

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	23.67
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2018	\$	0.58
Distribution Volumetric Rate	\$/kWh	0.0105
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kWh	(0.0033)
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0070
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0022

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

In this class:

“Aboriginal person” includes a person who is a First Nations person, a Métis person or an Inuit person;

“account-holder” means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

“electricity-intensive medical device” means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

“household” means the account-holder and any other people living at the accountholder’s service address for at least six months in a year, including people other than the account-holder’s spouse, children or other relatives;

“household income” means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

(a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;

(d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;

but does not include account-holders in Class E.

OESP Credit	\$	(30.00)
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Class B

(a) account-holders with a household income of \$28,000 or less living in a household of three persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;

but does not include account-holders in Class F.

OESP Credit	\$	(34.00)
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Class C

(a) account-holders with a household income of \$28,000 or less living in a household of four persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;

but does not include account-holders in Class G.

OESP Credit	\$	(38.00)
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Class D

(a) account-holders with a household income of \$28,000 or less living in a household of five persons;
 (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
 but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

(a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;

- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	32.54
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2018	\$	1.38
Distribution Volumetric Rate	\$/kWh	0.0162
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017 Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kWh	(0.0033)
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0020

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service. Note that for the application of the Retail Transmission Rate – Network Service Rate and the Retail Transmission Rate – Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered; General Service 50 to 999 kW interval metered; and General Service 1,000 to 4,999 kW interval metered.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	121.53
Distribution Volumetric Rate	\$/kW	5.1561
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017 Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017 Applicable only for Non-Wholesale Market Participants	\$/kW	(1.2285)
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kW	(0.0590)
Low Voltage Service Rate	\$/kW	0.0738
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kW	0.1114
Retail Transmission Rate – Network Service Rate – (less than 1,000 kW)	\$/kW	2.6388
Retail Transmission Rate – Network Service Rate – Interval Metered (less than 1,000 kW)	\$/kW	2.8028
Retail Transmission Rate – Network Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	2.7991
Retail Transmission Rate – Line and Transformation Connection Service Rate – (less than 1,000 kW)	\$/kW	0.7828
Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (less than 1,000 kW)	\$/kW	0.9777
Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	0.9767

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	7,101.28
Distribution Volumetric Rate	\$/kW	4.0920
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kW	(1.7948)
Low Voltage Service Rate	\$/kW	0.0925
Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	3.1032
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	0.9811

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	10.80
Distribution Volumetric Rate	\$/kWh	0.0134
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kWh	(0.0033)
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0020

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	0.34
Distribution Volumetric Rate	\$/kW	9.5442
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017 Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kW	(1.1607)
Low Voltage Service Rate	\$/kW	0.0570
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kW	0.1005
Retail Transmission Rate – Network Service Rate	\$/kW	1.9903
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6049

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.40
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EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Distribution Volumetric Rate	\$/kW	0.0204
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kW	(1.4460)
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kW	0.1246

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.6000)
Primary Metering Allowance for transformer losses – applied to measured demand and energy	%	(1.00)

SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

Customer Administration

Easement Letter	\$	15.00
Notification Charge	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned Cheque charge (plus bank charges)	\$	15.00
Duplicate Invoices for Previous Billing	\$	15.00
Income Tax Letter	\$	15.00
Account set up charge / change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00

Other

Specific Charge for Access to the Power Poles – per pole/year	\$	22.35
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RETAIL SERVICE CHARGES (if applicable)

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

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 monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0362
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0147
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0259
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0047

4.0 Rate Impacts

Waterloo North Hydro has included Rate Impacts in Attachment D. Waterloo North Hydro has included for each rate class a typical usage customer. Rate impact model adjustments made by Waterloo North Hydro were discussed in section 2.5.

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 increase or decrease in the proper context. Waterloo North Hydro used both percentages and dollar amounts in Attachment D to demonstrate relative impacts. There is a range from a decrease of (3.70%) to a decrease of (0.87%) on the total bill including taxes to all classes after all proposed rate adjustments have been accounted for.

As stated in the Chapter 3 of the Filing Requirements for Transmission and Distribution Applications, in addition to the typical usage customer *“the OEB requires distributors to calculate the combined impact of the fixed rate increase and any other changes in the cost of distribution service for those residential RPP customers who are at the 10th percentile of overall consumption”*. *“If the total bill impact of the elements proposed in this application is 10% or greater for the RPP customer consuming at the 10th percentile, a distributor must file a plan to mitigate the impact for the whole residential class or indicate why such a plan is not required.”*

Waterloo North Hydro has determined that RPP customers who are at the 10th percentile of overall consumption are consuming an average of 287 kWh per month. Waterloo North Hydro used monthly average


consumption data for all residential customers to determine the consumption at the 10th percentile. At this level of consumption the total bill impact of this application is an increase of their total bill of \$1.68 or 2.34%. Based on this bill impact no mitigation plan is considered necessary.

Table 4.0a Summary Bill Impact by Rate Class

Draft Rate Impacts for 2017 IRM Filing				
Rate Class	Typical kWh Usage	Typical kW Usage	% Total Bill Impact	\$ Total Bill Impact
Residential	750		-1.90%	\$ (2.83)
GS < 50 kW	2,000		-2.22%	\$ (8.64)
GS > 50 kW	100,000	250	-3.06%	\$ (544.24)
Large Use	8,000,000	14,500	-2.90%	\$ (37,545.26)
Unmetered Scattered Load	150		-0.87%	\$ (0.33)
Street Lighting	50	0.14	-2.09%	\$ (0.21)
Embedded Distributor	2,615,000	6,000	-3.70%	\$ (14,736.33)

Dated at Waterloo, Ontario this 15th day of August 2016.

Original Signed By



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

Attachment A

Rate Generator Model



Incentive Regulation Model for 2017 Filers

Quick Links[Ontario Energy Board's 2017 Electricity Distribution Rates Webpage](#)[Chapter 3 of the Filing Requirements for Electricity Distribution Rate Applications – 2016 Edition for 2017 Rate Applications](#)

Version 1.2

Utility Name	Waterloo North Hydro Inc.
Assigned EB Number	EB-2016-0109
Name of Contact and Title	Albert Singh, CFO and Vice President of Finance
Phone Number	(519) 888-5542
Email Address	asingh@wnhydro.com
We are applying for rates effective	Sunday, January 01, 2017
Rate-Setting Method	Price Cap IR
Please indicate in which Rate Year the Group 1 accounts were last cleared	2016
Please indicate the last Cost of Service	2016

Notes

☐ Pale green cells represent input cells.



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Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2015-0108

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	19.71
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2018	\$	0.58
Distribution Volumetric Rate	\$/kWh	0.0154
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016 - Applicable only for Non RPP Customers	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016 - Applicable only for Non RPP Customers	\$/kWh	0.0031
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kWh	(0.0014)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kWh	0.0016
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016	\$/kWh	(0.0016)
Rate Rider for Recovery of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kWh	0.0002
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kWh	(0.0001)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0074



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Retail Transmission Rate – Line and Transformation Connection Service Rate

\$/kWh

0.0023

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



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ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

In this class:

“Aboriginal person” includes a person who is a First Nations person, a Métis person or an Inuit person;

“account-holder” means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

“electricity-intensive medical device” means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

“household” means the account-holder and any other people living at the accountholder’s service address for at least six months in a year, including people other than the account-holder’s spouse, children or other relatives;

“household income” means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

(a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;

(d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;

but does not include account-holders in Class E.

OESP Credit	\$	(30.00)
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Class B

(a) account-holders with a household income of \$28,000 or less living in a household of three persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;

but does not include account-holders in Class F.

OESP Credit	\$	(34.00)
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Class C

(a) account-holders with a household income of \$28,000 or less living in a household of four persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;

but does not include account-holders in Class G.

OESP Credit	\$	(38.00)
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Class D

(a) account-holders with a household income of \$28,000 or less living in a household of five persons;



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(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons; but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

(a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or

(c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)



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GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	31.96
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2018	\$	1.38
Distribution Volumetric Rate	\$/kWh	0.0159
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016 - Applicable only to NonRPP Customers	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016 - Applicable only for Non RPP Customers	\$/kWh	0.0031
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kWh	(0.0014)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kWh	0.0017
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016	\$/kWh	(0.0016)
Rate Rider for Recovery of LRAM Variance Account (2016)– effective until December 31, 2016	\$/kWh	0.0009
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kWh	(0.00005)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0021

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



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GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service. Note that for the application of the Retail Transmission Rate – Network Service Rate and the Retail Transmission Rate – Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered; General Service 50 to 999 kW interval metered; and General Service 1,000 to 4,999 kW interval metered.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	119.38
Distribution Volumetric Rate	\$/kW	5.0649
Low Voltage Service Rate	\$/kW	0.0738
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016 - Applicable only for NonRPP Customers	\$/kW	0.2675
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016 - Applicable only for Non RPP Customers	\$/kW	1.2659
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016 - Applicable only for Non Wholesale Market Participants	\$/kW	(0.6502)
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016 - Applicable only for Wholesale Market Participants	\$/kW	(0.1945)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016 - Applicable only for Non Wholesale Market Participants	\$/kW	0.7720
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016 - Applicable only for Wholesale Market Participants	\$/kW	0.1181
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016 - Applicable only for Non Wholesale Market Participants	\$/kW	(0.6390)
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016 - Applicable only for Wholesale Market Participants	\$/kW	(0.8496)
Rate Rider for Recovery of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kW	0.2552
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kW	(0.0099)
Retail Transmission Rate – Network Service Rate – (less than 1,000 kW)	\$/kW	2.7741
Retail Transmission Rate – Network Service Rate – Interval Metered (less than 1,000 kW)	\$/kW	2.9465
Retail Transmission Rate – Network Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	2.9427
Retail Transmission Rate – Line and Transformation Connection Service Rate – (less than 1,000 kW)	\$/kW	0.8036



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Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered(less than 1,000 kW)	\$/kW	1.0037
Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	1.0026

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



Ontario Energy Board

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LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	6,975.72
Distribution Volumetric Rate	\$/kW	4.0196
Low Voltage Service Rate	\$/kW	0.0925
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kW	(0.7541)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	1.0507
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016	\$/kW	(0.8606)
Rate Rider for Recovery of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kW	0.2023
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kW	(0.0072)
Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	3.2624
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	1.0072

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	10.61
Distribution Volumetric Rate	\$/kWh	0.0132
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016 - Applicable only for NonRPP Customers	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016 - Applicable only for NonRPP Customers	\$/kWh	0.0031
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kWh	(0.0015)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kWh	0.0016
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016	\$/kWh	(0.0016)
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kWh	(0.0002)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0021

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



Ontario Energy Board

Incentive Regulation Model for 2017 File

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	0.33
Distribution Volumetric Rate	\$/kW	9.3754
Low Voltage Service Rate	\$/kW	0.0570
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016 - Applicable only for NonRPP Customers	\$/kW	0.2139
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016 - Applicable only for NonRPP Customers	\$/kW	1.1196
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kW	(0.5199)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	0.7019
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016	\$/kW	(0.5652)
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kW	(0.0208)
Retail Transmission Rate – Network Service Rate	\$/kW	2.0924
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6210

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



Ontario Energy Board

Incentive Regulation Model for 2017 File

microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.40
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Ontario Energy Board

Incentive Regulation Model for 2017 File

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Distribution Volumetric Rate	\$/kW	0.0200
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016 - Applicable only for NonRPP Customers	\$/kW	0.2396
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016 - Applicable only for NonRPP Customers	\$/kW	1.3679
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kW	(0.5823)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	0.5306

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



Ontario Energy Board

Incentive Regulation Model for 2017 File

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.6000)
Primary Metering Allowance for transformer losses – applied to measured demand and energy	%	(1.00)



Ontario Energy Board

Incentive Regulation Model for 2017 File

SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

Customer Administration

Easement Letter	\$	15.00
Notification Charge	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned Cheque charge (plus bank charges)	\$	15.00
Duplicate Invoices for Previous Billing	\$	15.00
Income Tax Letter	\$	15.00
Account set up charge / change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00

Other

Specific Charge for Access to the Power Poles – per pole/year	\$	22.35
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Ontario Energy Board

Incentive Regulation Model for 2017 File

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

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 monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00



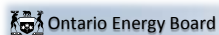
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Incentive Regulation Model for 2017 File

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0362
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0147
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0259
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0047



Incentive Regulation Model for 2017 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

When inputting balances in the continuity schedule, Account 1580 RSVA - Wholesale Market Service Charge is to exclude any amounts relating to CBR. The CBR amounts are to be entered separately in the Class A and Class B 1580 sub-accounts. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

		2010										
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2010	Transactions ² Debit/ (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments ³ during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments ³ during 2010	Closing Interest Amounts as of Dec 31, 2011	Opening Principal Amounts as of Jan 1, 2011
Group 1 Accounts												
LV Variance Account	1550					0					0	0
Smart Metering Entity Charge Variance Account	1551					0					0	0
RSVA - Wholesale Market Service Charge	1580					0					0	0
Variance WMS – Sub-account CBR Class A	1580					0					0	0
Variance WMS – Sub-account CBR Class B	1580					0					0	0
RSVA - Retail Transmission Network Charge	1584					0					0	0
RSVA - Retail Transmission Connection Charge	1586					0					0	0
RSVA - Power	1588					0					0	0
RSVA - Global Adjustment	1589					0					0	0
Disposition and Recovery/Refund of Regulatory Balances (2009) ¹	1595					0					0	0
Disposition and Recovery/Refund of Regulatory Balances (2010) ¹	1595					0					0	0
Disposition and Recovery/Refund of Regulatory Balances (2011) ¹	1595					0					0	0
Disposition and Recovery/Refund of Regulatory Balances (2012) ¹	1595					0					0	0
Disposition and Recovery/Refund of Regulatory Balances (2013) ¹	1595					0					0	0
Disposition and Recovery/Refund of Regulatory Balances (2014) ¹	1595					0					0	0
Disposition and Recovery/Refund of Regulatory Balances (2015) ¹	1595					0					0	0
<i>Not to be disposed of unless rate rider has expired and balance has been audited</i>	1595					0					0	0
RSVA - Global Adjustment	1589	0	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance		0	0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568											
Total including Account 1568		0	0	0	0	0	0	0	0	0	0	0

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g: debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

¹ Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations.

² For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

³ If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.

⁴ Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.

[illegible]

	2013										2014						
Closing Interest Amounts as of Dec 31, 2012	Opening Principal Amounts as of Jan 1, 2013	Transactions ² Debit/ (Credit) during 2013	OEB-Approved Disposition during 2013	Principal Adjustments ³ during 2013	Closing Principal Balance as of Dec 31, 2013	Opening Interest Amounts as of Jan 1, 2013	Interest Jan 1 to Dec 31, 2013	OEB-Approved Disposition during 2013	Interest Adjustments ³ during 2013	Closing Interest Amounts as of Dec 31, 2013	Opening Principal Amounts as of Jan 1, 2014	Transactions ² Debit/ (Credit) during 2014	OEB-Approved Disposition during 2014	Principal Adjustments ³ during 2014	Closing Principal Balance as of Dec 31, 2014	Opening Interest Amounts as of Jan 1, 2014	Interest Jan 1 to Dec 31, 2014
0	0			101,650	101,650	0	562		1,992	2,554	101,650	99,111			200,761	2,554	843
0	0			32,301	32,301	0	314		633	947	32,301	(10,038)			22,263	947	(63)
0	0			(926,113)	(926,113)	0	(9,907)		(18,152)	(28,059)	(926,113)	(177,404)			(1,103,517)	(28,059)	9,862
0	0				0	0				0	0				0	0	
0	0				0	0				0	0				0	0	
0	0			(422,798)	(422,798)	0	(2,708)		(8,287)	(10,995)	(422,798)	(251,888)			(674,686)	(10,995)	(2,634)
0	0			(267,572)	(267,572)	0	(2,098)		(5,244)	(7,342)	(267,572)	(33,234)			(300,806)	(7,342)	(121)
0	0			(462,831)	(462,831)	0	595		(9,071)	(8,476)	(462,831)	1,040,210			577,379	(8,476)	3,907
0	0			430,530	430,530	0	17,178		8,438	25,616	430,530	2,293,411			2,723,941	25,616	13,175
0	0				0	0				0	0				0	0	
0	0	3,685,142		(2,639,290)	1,045,852	0	(13,949)		(1,473,307)	(1,487,256)	1,045,852	1,239,998			2,285,850	(1,487,256)	30,133
0	0	(412,337)		475,467	63,130	0	4,248		147,809	152,057	63,130	(128,124)			(64,994)	152,057	(563)
0	0	2,598,269		(2,839,365)	(241,096)	0	(24,247)		(225,225)	(249,472)	(241,096)	866,995			625,899	(249,472)	6,814
0	0	1,355,619		(1,824,804)	(469,185)	0	(12,222)		(45,811)	(58,033)	(469,185)	737,214			268,029	(58,033)	1,579
0	0				0	0				0	0			(696,114)	(696,114)	0	
0	0				0	0				0	0				0	0	
0	0	0	0	430,530	430,530	0	17,178	0	8,438	25,616	430,530	2,293,411	0	0	2,723,941	25,616	13,175
0	0	7,226,693	0	(8,773,355)	(1,546,662)	0	(59,412)	0	(1,634,663)	(1,694,075)	(1,546,662)	3,382,840	0	(696,114)	1,140,064	(1,694,075)	49,757
0	0	7,226,693	0	(8,342,825)	(1,116,132)	0	(42,234)	0	(1,626,225)	(1,668,459)	(1,116,132)	5,676,251	0	(696,114)	3,864,005	(1,668,459)	62,932
0	0				0	0				0	0				0	0	
0	0	7,226,693	0	(8,342,825)	(1,116,132)	0	(42,234)	0	(1,626,225)	(1,668,459)	(1,116,132)	5,676,251	0	(696,114)	3,864,005	(1,668,459)	62,932

			2015										2016					P ₁
OEB-Approved Disposition during 2014	Interest Adjustments ¹ during 2014	Closing Interest Amounts as of Dec 31, 2014	Opening Principal Amounts as of Jan 1, 2015	Transactions ² Debit/ (Credit) during 2015	OEB-Approved Disposition during 2015	Principal Adjustments ¹ during 2015	Closing Principal Balance as of Dec 31, 15	Opening Interest Amounts as of Jan 1, 15	Interest Jan 1 to Dec 31, 15	OEB-Approved Disposition during 2015	Interest Adjustments ¹ during 2015	Closing Interest Amounts as of Dec 31, 15	Principal Disposition during 2016 - instructed by OEB	Interest Disposition during 2016 - instructed by OEB	Closing Principal Balances as of Dec 31, 2016 Adjusted for Dispositions during 2016	Closing Interest Balances as of Dec 31, 15 Adjusted for Disposition in 2016	Projected Interest from Jan 1, 2016 to December 31, 2016 on Dec 31-15 balance adjusted for disposition during 2016 ³	
		3,397	200,761	107,063	101,650		206,174	3,397	1,182	2,554	157	2,182	99,111	2,025	107,063	157	1,178	
		884	22,263	(9,044)	32,301		(19,082)	884	(120)	947	48	(135)	(10,038)	(183)	(9,044)	48	(99)	
		(18,197)	(1,103,517)	(3,201,078)	(926,113)		(3,378,482)	(18,197)	(3,390)	(28,059)	(9,365)	(2,893)	(177,404)	7,746	(3,201,078)	(10,639)	(30,938)	
		0	0	19,916			19,916	0	66			66			19,916	66	110	
		0	0	368,591			368,591	0	1,206			1,206			368,591	1,206	4,055	
		(13,629)	(674,686)	(410,700)	(422,798)		(662,588)	(13,629)	(3,004)	(10,994)	(2,548)	(8,187)	(251,888)	(5,639)	(410,700)	(2,548)	(4,518)	
		(7,463)	(300,806)	(70,449)	(267,572)		(103,683)	(7,463)	(396)	(7,342)	(175)	(692)	(33,234)	(517)	(70,449)	(175)	(775)	
		(4,569)	577,379	(1,145,965)	(462,831)		(105,755)	(4,569)	12,405	(8,477)	(8,918)	7,395	1,040,210	16,313	(1,145,965)	(8,918)	(12,606)	
		38,791	2,723,941	1,654,466	430,530		3,947,877	38,791	27,349	25,616	16,947	57,471	2,293,411	40,524	1,654,466	16,947	18,199	
		0	0				0	0				0			0	0		
		(1,457,123)	2,285,850	839			2,286,689	(1,457,123)	27,259		6,512	(1,423,352)	2,285,850	(1,429,864)	839	6,512		
		151,494	(64,994)	(221)			(65,215)	151,494	(775)		(175)	150,544	(64,994)	150,719	(221)	(175)		
		(242,658)	625,899	684			626,583	(242,658)	7,464		1,745	(233,449)	625,899	(235,194)	684	1,745		
		(56,454)	268,029	1,337			269,366	(56,454)	3,196		749	(52,509)	268,029	(53,258)	1,337	749		
	(90,389)	(90,389)	(696,114)	925,335			229,221	(90,389)	1,144			(89,245)			229,221	(89,245)	2,521	
		0	0	1,080,669	1,514,833		(434,164)	0	(10,406)	25,755		(36,161)			(434,164)	(36,161)	(4,776)	
0	0	38,791	2,723,941	1,654,466	430,530	0	3,947,877	38,791	27,349	25,616	16,947	57,471	2,293,411	40,524	1,654,466	16,947	18,199	
0	(90,389)	(1,734,707)	1,140,064	(2,333,023)	(430,530)	0	(762,429)	(1,734,707)	35,831	(25,616)	(11,970)	(1,685,230)	3,781,541	(1,547,852)	(4,543,970)	(137,378)	(45,848)	
0	(90,389)	(1,695,916)	3,864,005	(678,557)	0	0	3,185,448	(1,695,916)	63,180	0	4,977	(1,627,759)	6,074,952	(1,507,328)	(2,889,504)	(120,431)	(27,649)	
		0	0		0		0	0				0			0	0		
0	(90,389)	(1,695,916)	3,864,005	(678,557)	0	0	3,185,448	(1,695,916)	63,180	0	4,977	(1,627,759)	6,074,952	(1,507,328)	(2,889,504)	(120,431)	(27,649)	

If you have a Class A customer, 1580 sub-account CBR Class B will be disposed through a rate rider calculated outside the model (if significant).

If you have only Class B customers, the balance applicable to Class B will be allocated and disposed with account 1580.

Please click if you have one or more Class A customers. ☐

rojected Interest on Dec-31-15 Balances			2.1.7 RRR	
Projected Interest from January 1, 2017 to April 30, 2017 on Dec 31 -15 balance adjusted for disposition during 2016 ³	Total Interest	Total Claim	As of Dec 31-15	Variance RRR vs. 2015 Balance (Principal + Interest)
	1,335	108,398.00	208,356	0
	(51)	(9,095.00)	(19,217)	0
	(41,577)	(3,242,655.00)	(2,991,594)	389,781
	176	0.00	0	(19,982)
	5,261	373,852.00	0	(369,797)
	(7,066)	(417,766.00)	(670,775)	0
	(950)	(71,399.00)	(104,375)	0
	(21,524)	(1,167,489.00)	(98,360)	0
	35,146	1,689,612.00	4,005,348	0
	0	0.00	0	0
	6,512	0.00	863,337	0
	(175)	0.00	85,329	0
	1,745	0.00	393,134	0
	749	0.00	216,857	0
	(86,724)	142,497.00	139,976	0
	(40,937)	0.00	(470,325)	0
0	35,146	1,689,612.00	4,005,348	0
0	(183,226)	(4,283,657.00)	(2,447,657)	2
0	(148,080)	(2,594,045.00)	1,557,691	2
	0	0.00	1,063,631	1,063,631
0	(148,080)	(2,594,045.00)	2,621,322	1,063,633

Incentive Regulation Model for 2017 Filers

Data on this worksheet has been populated using your most recent RRR filing.

Click on the checkbox to confirm the accuracy of the data below:

If you have identified any issues, please [contact](#) the OEB.

YES

1 of 1

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers	Metered kW for Non-RPP Customers	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption (if applicable)	Total Metered kW less WMP consumption (if applicable)	1595 Recovery Proportion (2014) ¹	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes ³
RESIDENTIAL SERVICE CLASSIFICATION	kWh	404,728,026	0	16,106,600	0			404,728,026	0	24%		49,094
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	196,078,596	0	33,798,913	0			196,078,596	0	11%		5,619
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	696,649,002	1,747,019	633,039,002	1,512,716	6,790,407	12,045	689,858,595	1,734,974	57%		
LARGE USE SERVICE CLASSIFICATION	kW	92,984,875	170,151	92,984,875	170,151			92,984,875	170,151	5%		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,649,180	0	3,752	0			2,649,180	0	0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,608,120	21,206	7,579,933	21,110			7,608,120	21,206	1%		
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	33,543,395	75,403	33,543,395	75,403			33,543,395	75,403	2%		
Total		1,434,241,194	2,013,779	817,056,470	1,779,380	6,790,407	12,045	1,427,450,787	2,001,734	100%	\$0	54,713

Threshold Test

Total Claim (including Account 1568)	(\$2,594,045)
Total Claim for Threshold Test (All Group 1 Accounts)	(\$2,594,045)
Threshold Test (Total claim per kWh) ²	(\$0.0018)

1568 Account Balance from Continuity Schedule	\$0
Total Balance of Account 1568 in Column R matches the amount entered on the Continuity Schedule	

¹ Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

² The Threshold Test does not include the amount in 1568.

³ The proportion of customers for the Residential and GS<50 Classes will be used to allocate Account 1551.

Incentive Regulation Model for 2017 Filers

No input required. This worksheet allocates the deferral/variance account balances (Group 1 and 1568) to the appropriate classes as per EDDVAR dated July 31, 2009

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Total non-RPP kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	allocated based on Total less WMP			allocated based on Total less WMP			1595_(2014)	1568
					1550	1551	1580	1584	1586	1588		
RESIDENTIAL SERVICE CLASSIFICATION	28.2%	2.0%	89.7%	28.4%	30,589	(8,161)	(919,397)	(117,889)	(20,148)	(331,021)	33,572	0
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	13.7%	4.1%	10.3%	13.7%	14,819	(934)	(445,420)	(57,114)	(9,761)	(160,370)	15,931	0
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	48.6%	77.5%	0.0%	48.3%	52,652	0	(1,567,111)	(202,920)	(34,680)	(564,224)	81,836	0
LARGE USE SERVICE CLASSIFICATION	6.5%	11.4%	0.0%	6.5%	7,028	0	(211,228)	(27,085)	(4,629)	(76,051)	6,583	0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.2%	0.0%	0.0%	0.2%	200	0	(6,018)	(772)	(132)	(2,167)	142	0
STREET LIGHTING SERVICE CLASSIFICATION	0.5%	0.9%	0.0%	0.5%	575	0	(17,283)	(2,216)	(379)	(6,223)	912	0
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	2.3%	4.1%	0.0%	2.3%	2,535	0	(76,199)	(9,771)	(1,670)	(27,435)	3,505	0
Total	100.0%	100.0%	100.0%	100.0%	108,398	(9,095)	(3,242,655)	(417,766)	(71,399)	(1,167,489)	142,483	0

** Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges to Residential and GS<50 customers.

Incentive Regulation Model for 2017 Filers

Below is a GA calculation based on non-RPP consumption data minus Class A consumption. If a Class B customer switched into Class A during the 2015 rate year click this checkbox: ☐

Identify the total billed consumption for former Class B customers prior to becoming Class A customers (i.e. Jan. 1 to June 30, 2015) in columns G.

The purpose of this tab is to calculate the GA rate riders for all current Class B customers of the distributor.

Effective January 2017, the billing determinant and all rate riders for the disposition of GA balances will be calculated on an energy basis (kWhs) regardless of the billing determinant used for distribution rates for the particular class (see Chapter 3, Filing Requirements, section 3.2.5.2)

		Total Metered Non-RPP consumption minus WMP	Total Metered Class A Consumption in 2015 (partial and/or full year Class A customers)*	Metered Consumption for Current Class B Customers (Non-RPP consumption LESS WMP, Class A and new Class A's former Class B consumption if applicable)	% of total kWh	Total GA \$ allocated to Current Class B Customers	GA Rate Rider	
		kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	16,106,600	92,984,875	16,106,600	2.2%	\$37,940	\$0.0024	kWh
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	33,798,913		33,798,913	4.7%	\$79,616	\$0.0024	kWh
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kWh	626,248,595		626,248,595	87.3%	\$1,475,178	\$0.0024	kWh
LARGE USE SERVICE CLASSIFICATION	kWh	92,984,875		0	0.0%	\$0	\$0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	3,752		3,752	0.0%	\$9	\$0.0024	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	7,579,933		7,579,933	1.1%	\$17,855	\$0.0024	kWh
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kWh	33,543,395		33,543,395	4.7%	\$79,014	\$0.0024	kWh
Total		810,266,063	92,984,875	717,281,188	100.0%	\$1,689,612		

*For new Class A customers (who became Class A in 2015), add their consumption only related to July to December period.

Incentive Regulation Model for 2017 Filers

Input required at cell C13 only. This worksheet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)

12

Proposed Rate Rider Recovery Period (in months)

12

Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes ²	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) ²	Deferral/Variance Account Rate Rider ²	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) ²	Account 1568 Rate Rider	Revenue Reconciliation ¹
RESIDENTIAL SERVICE CLASSIFICATION	kWh	404,728,026	0	404,728,026	0	(1,332,454)		(0.0033)	0.0000	0.0000	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	196,078,596	0	196,078,596	0	(642,848)		(0.0033)	0.0000	0.0000	
GENERAL SERVICE 50 TO 4,999 kW SERVICE CLASSIFICATION	kW	696,649,002	1,747,019	689,858,595	1,734,974	(103,113)	(2,131,335)	(0.0590)	(1.2285)	0.0000	
LARGE USE SERVICE CLASSIFICATION	kW	92,984,875	170,151	92,984,875	170,151	(305,382)		(1.7948)	0.0000	0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,649,180	0	2,649,180	0	(8,746)		(0.0033)	0.0000	0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,608,120	21,206	7,608,120	21,206	(24,613)		(1.1607)	0.0000	0.0000	
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	33,543,395	75,403	33,543,395	75,403	(109,033)		(1.4460)	0.0000	0.0000	(4,657,523.25)

¹ When calculating the revenue reconciliation for distributors with Class A customers, the balances of sub-account 1580-CBR Class A and B will not be taken into consideration since the rate riders, if any, are calculated outside of the model.

² Only for rate classes with WMP customers are the Deferral/Variance Account Rate Riders for Non-WMP (column H and I) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account and Rate Rider.



Incentive Regulation Model for 2017 Filers

Summary - Sharing of Tax Change Forecast Amounts

For the 2016 year, enter any Tax Credits from the Cost of Service Tax Calculation (Positive #)

1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2016	2017
Taxable Capital (if you are not claiming capital tax, please enter your OEB-Approved Rate Base)	\$ 208,658,217	\$ 208,658,217
Deduction from taxable capital up to \$15,000,000		\$ -
Net Taxable Capital	\$ 208,658,217	\$ 208,658,217
Rate	0.00%	0.00%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -

2. Tax Related Amounts Forecast from Income Tax Rate Changes

Regulatory Taxable Income	\$ 2,427,393	\$ 2,427,393
Corporate Tax Rate	26.50%	26.500%
Tax Impact	\$ 643,259	\$ 643,259
Grossed-up Tax Amount	\$ 875,183	\$ 875,183
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 875,183	\$ 875,183
Total Tax Related Amounts	\$ 875,183	\$ 875,183
Incremental Tax Savings		\$ -
Sharing of Tax Amount (50%)		\$ -

Incentive Regulation Model for 2017 Filers

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-Approved Cost of Service application in columns C through H. As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Re-based Service Charge D	Re-based Distribution Volumetric Rate kWh E	Re-based Distribution Volumetric Rate kW F	Service Charge Revenue G = A * D * 12	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Revenue Requirement from Rates J = G + H + I	Service Charge % Revenue K = G / J	Distribution Volumetric Rate % Revenue L = H / J	Distribution Volumetric Rate % Revenue M = I / J	Total % Revenue N = J / R
RESIDENTIAL SERVICE CLASSIFICATION	kWh	49,453	408,868,804		19.71	0.0154		11,696,624	6,296,580	0	17,993,203	65.0%	35.0%	0.0%	52.2%
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	5,642	196,732,916		31.96	0.0159		2,163,820	3,128,053	0	5,291,873	40.9%	59.1%	0.0%	15.3%
GENERAL SERVICE 50 TO 4,999 kW SERVICE CLASSIFICATION	kW	695	728,547,534	1,787,340	119.38		5.0649	995,629	0	9,052,698	10,048,328	9.9%	0.0%	90.1%	29.1%
LARGE USE SERVICE CLASSIFICATION	kW	1	94,944,937	173,364	6975.72		4.0196	83,709	0	696,854	780,563	10.7%	0.0%	89.3%	2.3%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	563	3,140,372		10.61	0.0132		71,681	41,453	0	113,134	63.4%	36.6%	0.0%	0.3%
STREET LIGHTING SERVICE CLASSIFICATION	kW	13,828	7,594,660	21,115	0.33		9.3754	54,759	0	197,962	252,720	21.7%	0.0%	78.3%	0.7%
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	1	31,378,863	71,406	0.00		0.0200	0	0	1,428	1,428	0.0%	0.0%	100.0%	0.0%
Total		70,183	1,471,208,086	2,053,225				15,066,221	9,466,086	9,948,942	34,481,249				100.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider
RESIDENTIAL SERVICE CLASSIFICATION	kWh	404,728,026		0	0.00 \$/customer
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	196,078,596		0	0.0000 kWh
GENERAL SERVICE 50 TO 4,999 kW SERVICE CLASSIFICATION	kW	696,649,002	1,747,019	0	0.0000 kW
LARGE USE SERVICE CLASSIFICATION	kW	92,984,875	170,151	0	0.0000 kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,649,180		0	0.0000 kWh
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,608,120	21,206	0	0.0000 kW
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	33,543,395	75,403	0	0.0000 kW
Total		1,434,241,194	2,013,779	\$0	

If the allocated tax sharing amount does not produce a rate rider in one or more rate class (except for the Standby rate class), a distributor is required to transfer the entire OEB-approved tax sharing amount into account 1595 for disposition at a later date (see Filing Requirements, Appendix B)

Incentive Regulation Model for 2017 Filers

Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked. If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary. As well, the Loss Factor has been imported from Tab 2.

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate – Network Service Rate	\$/kWh	0.0074	404,728,026	0	1.0362	419,379,181
Residential Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0023	404,728,026	0	1.0362	419,379,181
General Service Less Than 50 kW Service Classification	Retail Transmission Rate – Network Service Rate	\$/kWh	0.0067	196,078,596	0	1.0362	203,176,641
General Service Less Than 50 kW Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0021	196,078,596	0	1.0362	203,176,641
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Network Service Rate – (less than 1,000 kW)	\$/kW	2.7741	177,709,217	526,536		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Network Service Rate – Interval Metered (less than 1,000 kW)	\$/kW	2.9465	269,188,387	696,360		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Network Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	2.9427	249,751,398	517,566		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate – (less than 1,000 kW)	\$/kW	0.8036	177,709,217	526,536		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered/less than 1.	\$/kW	1.0037	269,188,387	701,972		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (1,000 to 4.	\$/kW	1.0026	249,751,398	518,511		
Large Use Service Classification	Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	3.2624	92,984,875	170,151		
Large Use Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	1.0072	92,984,875	170,151		
Unmetered Scattered Load Service Classification	Retail Transmission Rate – Network Service Rate	\$/kWh	0.0067	2,649,180	0	1.0362	2,745,080
Unmetered Scattered Load Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0021	2,649,180	0	1.0362	2,745,080
Street Lighting Service Classification	Retail Transmission Rate – Network Service Rate	\$/kW	2.0924	7,608,120	21,206		
Street Lighting Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6210	7,608,120	21,206		

Incentive Regulation Model for 2017 Filers

Uniform Transmission Rates		Unit		2015	2016	2017
Rate Description		Rate		Rate		Rate
Network Service Rate	kW	\$	3.78	\$	3.66	\$ 3.66
Line Connection Service Rate	kW	\$	0.86	\$	0.87	\$ 0.87
Transformation Connection Service Rate	kW	\$	2.00	\$	2.02	\$ 2.02

Hydro One Sub-Transmission Rates		Unit		2015 - 2016		2016	2017
Rate Description		Rate		Rate		Rate	
Network Service Rate	kW	\$	3.23	\$	3.4121	\$	3.3396
Line Connection Service Rate	kW	\$	0.65	\$	0.7879	\$	0.7791
Transformation Connection Service Rate	kW	\$	1.62	\$	1.8018	\$	1.7713
Both Line and Transformation Connection Service Rate	kW	\$	2.27	\$	2.5897	\$	2.5504

Kitchener Wilmot Hydro Sub-Transmission Rates		Unit		2015	2016	2017
Rate Description		Rate		Rate		Rate
Network Service Rate	kW	\$	3.1105	\$	3.0422	\$ 3.0422
Line Connection Service Rate	kW	\$	0.7149	\$	0.7391	\$ 0.7391
Transformation Connection Service Rate	kW					
Both Line and Transformation Connection Service Rate	kW	\$	0.71	\$	0.74	\$ 0.74

Energy + Sub-Transmission Rates		Unit		2015	2016	2017
Rate Description		Rate		Rate		Rate
Network Service Rate	kW	\$	2.6758	\$	2.5507	\$ 2.4994
Line Connection Service Rate	kW	\$	1.8690	\$	1.8474	\$ 1.8475
Transformation Connection Service Rate	kW					
Both Line and Transformation Connection Service Rate	kW	\$	1.87	\$	1.85	\$ 1.85
Low Voltage Switchgear Credit (if applicable, enter as a negative value)		\$				
				Historical 2015	Current 2016	Forecast 2017



Incentive Regulation Model for 2017 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed.

If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in orange, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	213,748	\$3.78	\$ 807,967	214,801	\$0.86	\$ 184,729	23,257	\$2.00	\$ 46,514				\$ 231,243
February	204,564	\$3.78	\$ 773,252	215,513	\$0.86	\$ 185,341	23,952	\$2.00	\$ 47,904				\$ 233,245
March	200,240	\$3.78	\$ 756,907	203,791	\$0.86	\$ 175,260	24,327	\$2.00	\$ 48,654				\$ 223,914
April	176,680	\$3.78	\$ 667,850	188,347	\$0.86	\$ 161,978	23,129	\$2.00	\$ 46,258				\$ 208,236
May	211,203	\$3.78	\$ 798,347	212,978	\$0.86	\$ 183,161	21,385	\$2.00	\$ 42,770				\$ 225,931
June	208,753	\$3.78	\$ 789,086	218,979	\$0.86	\$ 188,322	21,930	\$2.00	\$ 43,860				\$ 232,182
July	242,447	\$3.78	\$ 916,450	247,962	\$0.86	\$ 213,247	26,302	\$2.00	\$ 52,604				\$ 265,851
August	238,065	\$3.78	\$ 899,886	242,656	\$0.86	\$ 208,684	23,977	\$2.00	\$ 47,954				\$ 256,638
September	240,898	\$3.78	\$ 910,594	245,819	\$0.86	\$ 211,404	24,989	\$2.00	\$ 49,978				\$ 261,382
October	170,343	\$3.78	\$ 643,897	186,135	\$0.86	\$ 160,076	20,484	\$2.00	\$ 40,968				\$ 201,044
November	187,768	\$3.78	\$ 709,763	203,363	\$0.86	\$ 174,892	21,379	\$2.00	\$ 42,758				\$ 217,650
December	188,229	\$3.78	\$ 711,506	206,092	\$0.86	\$ 177,239	21,962	\$2.00	\$ 43,924				\$ 221,163
Total	2,482,938	\$ 3.78	\$ 9,385,506	2,586,436	\$ 0.86	\$ 2,224,335	277,073	\$ 2.00	\$ 554,146				\$ 2,778,481

Hydro One				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	3,518	\$3.23	\$ 11,364	3,607	\$0.65	\$ 2,344	3,607	\$1.62	\$ 5,843				\$ 8,187
February	3,389	\$3.23	\$ 10,945	3,525	\$0.65	\$ 2,291	3,525	\$1.62	\$ 5,710				\$ 8,002
March	3,071	\$3.23	\$ 9,921	3,211	\$0.65	\$ 2,087	3,211	\$1.62	\$ 5,202				\$ 7,289
April	2,357	\$3.23	\$ 7,613	2,357	\$0.65	\$ 1,532	2,357	\$1.62	\$ 3,818				\$ 5,351
May	2,854	\$3.30	\$ 9,423	2,890	\$0.70	\$ 2,035	2,890	\$1.69	\$ 4,888				\$ 6,923
June	2,558	\$3.41	\$ 8,727	2,740	\$0.79	\$ 2,159	2,740	\$1.80	\$ 4,936				\$ 7,095
July	2,711	\$3.41	\$ 9,251	2,880	\$0.79	\$ 2,269	2,880	\$1.80	\$ 5,189				\$ 7,458
August	2,774	\$3.41	\$ 9,464	2,936	\$0.79	\$ 2,314	2,936	\$1.80	\$ 5,291				\$ 7,604
September	2,995	\$3.41	\$ 10,219	3,125	\$0.79	\$ 2,462	3,125	\$1.80	\$ 5,630				\$ 8,092
October	2,679	\$3.41	\$ 9,141	2,846	\$0.79	\$ 2,242	2,846	\$1.80	\$ 5,127				\$ 7,369
November	2,927	\$3.41	\$ 9,987	2,956	\$0.79	\$ 2,329	2,956	\$1.80	\$ 5,326				\$ 7,655
December	2,969	\$3.41	\$ 10,130	3,067	\$0.79	\$ 2,417	3,067	\$1.80	\$ 5,527				\$ 7,944
Total	34,802	\$ 3.34	\$ 116,186	36,139	\$ 0.73	\$ 26,481	36,139	\$ 1.73	\$ 62,488				\$ 88,969

Kitchener Wilmot Hydro (if needed)				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	4,589	\$ 3.1105	\$ 14,275	4,589	\$ 0.7149	\$ 3,281							\$ 3,281
February	4,595	\$ 3.1105	\$ 14,292	4,622	\$ 0.7149	\$ 3,304							\$ 3,304
March	4,141	\$ 3.1105	\$ 12,881	4,317	\$ 0.7149	\$ 3,086							\$ 3,086
April	3,558	\$ 3.1105	\$ 11,066	3,558	\$ 0.7149	\$ 2,543							\$ 2,543
May	3,663	\$ 3.1105	\$ 11,395	3,663	\$ 0.7149	\$ 2,619							\$ 2,619
June	3,686	\$ 3.1105	\$ 11,466	3,686	\$ 0.7149	\$ 2,635							\$ 2,635
July	4,452	\$ 3.1105	\$ 13,848	4,452	\$ 0.7149	\$ 3,183							\$ 3,183
August	4,396	\$ 3.1105	\$ 13,674	4,396	\$ 0.7149	\$ 3,143							\$ 3,143
September	4,570	\$ 3.1105	\$ 14,216	4,570	\$ 0.7149	\$ 3,267							\$ 3,267
October	3,580	\$ 3.1105	\$ 11,137	3,580	\$ 0.7149	\$ 2,560							\$ 2,560
November	4,004	\$ 3.1105	\$ 12,456	4,004	\$ 0.7149	\$ 2,863							\$ 2,863
December	4,270	\$ 3.1105	\$ 13,280	4,270	\$ 0.7149	\$ 3,052							\$ 3,052
Total	49,506	\$ 3.11	\$ 153,987	49,709	\$ 0.71	\$ 35,537	-	\$ -	\$ -				\$ 35,537

Energy + (if needed)				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	9,581	\$ 2.7207	\$ 26,068	9,581	\$ 1.9124	\$ 18,324							\$ 18,324
February	9,340	\$ 2.7207	\$ 25,411	9,571	\$ 1.9124	\$ 18,303							\$ 18,303
March	8,998	\$ 2.7207	\$ 24,480	9,085	\$ 1.9124	\$ 17,374							\$ 17,374
April	8,467	\$ 2.7207	\$ 23,036	8,498	\$ 1.9124	\$ 16,252							\$ 16,252
May	8,844	\$ 2.6534	\$ 23,466	8,858	\$ 1.8473	\$ 16,364							\$ 16,364
June	8,508	\$ 2.6534	\$ 22,575	8,508	\$ 1.8473	\$ 15,717							\$ 15,717
July	9,586	\$ 2.6534	\$ 25,437	9,586	\$ 1.8473	\$ 17,709							\$ 17,709
August	9,721	\$ 2.6534	\$ 25,793	9,721	\$ 1.8473	\$ 17,957							\$ 17,957
September	9,644	\$ 2.6534	\$ 25,591	9,644	\$ 1.8473	\$ 17,816							\$ 17,816
October	8,122	\$ 2.6534	\$ 21,551	8,122	\$ 1.8473	\$ 15,004							\$ 15,004
November	8,684	\$ 2.6534	\$ 23,043	8,684	\$ 1.8473	\$ 16,043							\$ 16,043
December	8,573	\$ 2.6534	\$ 22,748	8,573	\$ 1.8473	\$ 15,837							\$ 15,837
Total	108,069	\$ 2.68	\$ 289,198	108,433	\$ 1.87	\$ 202,699	-	\$ -	\$ -				\$ 202,699

Total				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	231,437	\$ 3.7145	\$ 859,675	232,579	\$ 0.8972	\$ 208,678	26,864	\$ 1.9490	\$ 52,357				\$ 261,035
February	221,887	\$ 3.7131	\$ 823,900	233,231	\$ 0.8971	\$ 209,240	27,477	\$ 1.9513	\$ 53,614				\$ 262,854
March	216,450	\$ 3.7154	\$ 804,189	220,404	\$ 0.8975	\$ 197,807	27,538	\$ 1.9557	\$ 53,856				\$ 251,664
April	191,061	\$ 3.7138	\$ 709,565	202,760	\$ 0.8991	\$ 182,306	25,486	\$ 1.9649	\$ 50,076				\$ 232,382
May	226,564	\$ 3.7192	\$ 842,632	228,390	\$ 0.8940	\$ 204,179	24,275	\$ 1.9633	\$ 47,658				\$ 251,837



Incentive Regulation Model for 2017 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed.

If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in orange, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

June	223,505	\$	3.7219	\$	831,855	233,913	\$	0.8928	\$	208,833	24,670	\$	1.9780	\$	48,796	\$	257,629
July	259,197	\$	3.7230	\$	964,985	264,880	\$	0.8925	\$	236,408	29,182	\$	1.9804	\$	57,793	\$	294,201
August	254,956	\$	3.7215	\$	948,817	259,709	\$	0.8937	\$	232,098	26,913	\$	1.9784	\$	53,245	\$	285,342
September	258,108	\$	3.7218	\$	960,620	263,159	\$	0.8928	\$	234,950	28,114	\$	1.9780	\$	55,608	\$	290,558
October	184,725	\$	3.7122	\$	685,726	200,683	\$	0.8963	\$	179,882	23,329	\$	1.9758	\$	46,095	\$	225,977
November	203,384	\$	3.7134	\$	755,249	219,008	\$	0.8955	\$	196,127	24,335	\$	1.9759	\$	48,084	\$	244,210
December	204,041	\$	3.7133	\$	757,664	222,002	\$	0.8943	\$	198,546	25,029	\$	1.9757	\$	49,451	\$	247,996
Total	2,675,314	\$	3.72	\$	9,944,877	2,780,716	\$	0.90	\$	2,489,051	313,212	\$	1.97	\$	616,634	\$	3,105,685



Incentive Regulation Model for 2017 Filers

The purpose of this sheet is to calculate the expected billing when current 2016 Uniform Transmission Rates are applied against historical 2015 transmission units.

IESO				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount			
January	213,748	\$ 3.6600	\$ 782,318	214,801	\$ 0.8700	\$ 186,877	23,257	\$ 2.0200	\$ 46,979	\$ 233,856			
February	204,564	\$ 3.6600	\$ 748,704	215,513	\$ 0.8700	\$ 187,496	23,952	\$ 2.0200	\$ 48,383	\$ 235,879			
March	200,240	\$ 3.6600	\$ 732,878	203,791	\$ 0.8700	\$ 177,298	24,327	\$ 2.0200	\$ 49,141	\$ 226,439			
April	176,680	\$ 3.6600	\$ 646,649	188,347	\$ 0.8700	\$ 163,862	23,129	\$ 2.0200	\$ 46,721	\$ 210,582			
May	211,203	\$ 3.6600	\$ 773,003	212,978	\$ 0.8700	\$ 185,291	21,385	\$ 2.0200	\$ 43,198	\$ 228,489			
June	208,753	\$ 3.6600	\$ 764,036	218,979	\$ 0.8700	\$ 190,512	21,930	\$ 2.0200	\$ 44,299	\$ 234,810			
July	242,447	\$ 3.6600	\$ 887,356	247,962	\$ 0.8700	\$ 215,727	26,302	\$ 2.0200	\$ 53,130	\$ 268,857			
August	238,065	\$ 3.6600	\$ 871,318	242,656	\$ 0.8700	\$ 211,111	23,977	\$ 2.0200	\$ 48,434	\$ 259,544			
September	240,898	\$ 3.6600	\$ 881,687	245,819	\$ 0.8700	\$ 213,863	24,989	\$ 2.0200	\$ 50,478	\$ 264,340			
October	170,343	\$ 3.6600	\$ 623,455	186,135	\$ 0.8700	\$ 161,937	20,484	\$ 2.0200	\$ 41,378	\$ 203,315			
November	187,768	\$ 3.6600	\$ 687,231	203,363	\$ 0.8700	\$ 176,926	21,379	\$ 2.0200	\$ 43,186	\$ 220,111			
December	188,229	\$ 3.6600	\$ 688,918	206,092	\$ 0.8700	\$ 179,300	21,962	\$ 2.0200	\$ 44,363	\$ 223,663			
Total	2,482,938	\$ 3.66	\$ 9,087,553	2,586,436	\$ 0.87	\$ 2,250,199	277,073	\$ 2.02	\$ 559,687	\$ 2,809,887			

Hydro One				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount			
January	3,518	\$ 3.4121	\$ 12,005	3,607	\$ 0.7879	\$ 2,842	3,607	\$ 1.8018	\$ 6,499	\$ 9,340			
February	3,389	\$ 3.3396	\$ 11,317	3,525	\$ 0.7791	\$ 2,746	3,525	\$ 1.7713	\$ 6,244	\$ 8,990			
March	3,071	\$ 3.3396	\$ 10,257	3,211	\$ 0.7791	\$ 2,502	3,211	\$ 1.7713	\$ 5,688	\$ 8,190			
April	2,357	\$ 3.3396	\$ 7,872	2,357	\$ 0.7791	\$ 1,836	2,357	\$ 1.7713	\$ 4,175	\$ 6,011			
May	2,854	\$ 3.3396	\$ 9,532	2,890	\$ 0.7791	\$ 2,251	2,890	\$ 1.7713	\$ 5,119	\$ 7,370			
June	2,558	\$ 3.3396	\$ 8,542	2,740	\$ 0.7791	\$ 2,135	2,740	\$ 1.7713	\$ 4,853	\$ 6,987			
July	2,711	\$ 3.3396	\$ 9,054	2,880	\$ 0.7791	\$ 2,244	2,880	\$ 1.7713	\$ 5,101	\$ 7,344			
August	2,774	\$ 3.3396	\$ 9,263	2,936	\$ 0.7791	\$ 2,288	2,936	\$ 1.7713	\$ 5,201	\$ 7,489			
September	2,995	\$ 3.3396	\$ 10,002	3,125	\$ 0.7791	\$ 2,435	3,125	\$ 1.7713	\$ 5,535	\$ 7,969			
October	2,679	\$ 3.3396	\$ 8,947	2,846	\$ 0.7791	\$ 2,217	2,846	\$ 1.7713	\$ 5,040	\$ 7,257			
November	2,927	\$ 3.3396	\$ 9,775	2,956	\$ 0.7791	\$ 2,303	2,956	\$ 1.7713	\$ 5,236	\$ 7,539			
December	2,969	\$ 3.3396	\$ 9,914	3,067	\$ 0.7791	\$ 2,390	3,067	\$ 1.7713	\$ 5,433	\$ 7,823			
Total	34,802	\$ 3.35	\$ 116,479	36,139	\$ 0.78	\$ 28,188	36,139	\$ 1.77	\$ 64,123	\$ 92,311			

Kitchener Wilmot Hydro				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount			
January	4,589	\$ 3.0422	\$ 13,962	4,589	\$ 0.7391	\$ 3,392	-	\$ -	\$ -	\$ 3,392			
February	4,595	\$ 3.0422	\$ 13,978	4,622	\$ 0.7391	\$ 3,416	-	\$ -	\$ -	\$ 3,416			
March	4,141	\$ 3.0422	\$ 12,598	4,317	\$ 0.7391	\$ 3,191	-	\$ -	\$ -	\$ 3,191			
April	3,558	\$ 3.0422	\$ 10,823	3,558	\$ 0.7391	\$ 2,629	-	\$ -	\$ -	\$ 2,629			
May	3,663	\$ 3.0422	\$ 11,145	3,663	\$ 0.7391	\$ 2,708	-	\$ -	\$ -	\$ 2,708			
June	3,686	\$ 3.0422	\$ 11,214	3,686	\$ 0.7391	\$ 2,725	-	\$ -	\$ -	\$ 2,725			
July	4,452	\$ 3.0422	\$ 13,544	4,452	\$ 0.7391	\$ 3,290	-	\$ -	\$ -	\$ 3,290			
August	4,396	\$ 3.0422	\$ 13,374	4,396	\$ 0.7391	\$ 3,249	-	\$ -	\$ -	\$ 3,249			
September	4,570	\$ 3.0422	\$ 13,904	4,570	\$ 0.7391	\$ 3,378	-	\$ -	\$ -	\$ 3,378			
October	3,580	\$ 3.0422	\$ 10,892	3,580	\$ 0.7391	\$ 2,646	-	\$ -	\$ -	\$ 2,646			
November	4,004	\$ 3.0422	\$ 12,182	4,004	\$ 0.7391	\$ 2,960	-	\$ -	\$ -	\$ 2,960			
December	4,270	\$ 3.0422	\$ 12,989	4,270	\$ 0.7391	\$ 3,156	-	\$ -	\$ -	\$ 3,156			
Total	49,506	\$ 3.04	\$ 150,606	49,709	\$ 0.74	\$ 36,740	-	\$ -	\$ -	\$ 36,740			



Incentive Regulation Model for 2017 Filers

The purpose of this sheet is to calculate the expected billing when current 2016 Uniform Transmission Rates are applied against historical 2015 transmission units.

Energy +	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	9,581	\$ 2.5507	\$ 24,439	9,581	\$ 1.8474	\$ 17,701	-	\$ -	\$ -	\$ 17,701
February	9,340	\$ 2.5507	\$ 23,823	9,571	\$ 1.8474	\$ 17,681	-	\$ -	\$ -	\$ 17,681
March	8,998	\$ 2.5507	\$ 22,950	9,085	\$ 1.8474	\$ 16,783	-	\$ -	\$ -	\$ 16,783
April	8,467	\$ 2.5507	\$ 21,596	8,498	\$ 1.8474	\$ 15,700	-	\$ -	\$ -	\$ 15,700
May	8,844	\$ 2.5507	\$ 22,558	8,858	\$ 1.8474	\$ 16,365	-	\$ -	\$ -	\$ 16,365
June	8,508	\$ 2.5507	\$ 21,702	8,508	\$ 1.8474	\$ 15,718	-	\$ -	\$ -	\$ 15,718
July	9,586	\$ 2.5507	\$ 24,452	9,586	\$ 1.8474	\$ 17,710	-	\$ -	\$ -	\$ 17,710
August	9,721	\$ 2.5507	\$ 24,794	9,721	\$ 1.8474	\$ 17,958	-	\$ -	\$ -	\$ 17,958
September	9,644	\$ 2.5507	\$ 24,600	9,644	\$ 1.8474	\$ 17,817	-	\$ -	\$ -	\$ 17,817
October	8,122	\$ 2.5507	\$ 20,717	8,122	\$ 1.8474	\$ 15,005	-	\$ -	\$ -	\$ 15,005
November	8,684	\$ 2.5507	\$ 22,151	8,684	\$ 1.8474	\$ 16,044	-	\$ -	\$ -	\$ 16,044
December	8,573	\$ 2.5507	\$ 21,868	8,573	\$ 1.8474	\$ 15,838	-	\$ -	\$ -	\$ 15,838
Total	108,069	\$ 2.55	\$ 275,651	108,433	\$ 1.85	\$ 200,318	-	\$ -	\$ -	\$ 200,318

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	231,437	\$ 3.5981	\$ 832,724	232,579	\$ 0.9064	\$ 210,811	26,864	\$ 1.9907	\$ 53,478	\$ 264,289
February	221,887	\$ 3.5956	\$ 797,822	233,231	\$ 0.9061	\$ 211,340	27,477	\$ 1.9881	\$ 54,627	\$ 265,966
March	216,450	\$ 3.5975	\$ 778,684	220,404	\$ 0.9064	\$ 199,774	27,538	\$ 1.9910	\$ 54,829	\$ 254,602
April	191,061	\$ 3.5954	\$ 686,940	202,760	\$ 0.9076	\$ 184,027	25,486	\$ 1.9970	\$ 50,896	\$ 234,923
May	226,564	\$ 3.6027	\$ 816,237	228,390	\$ 0.9047	\$ 206,615	24,275	\$ 1.9904	\$ 48,317	\$ 254,931
June	223,505	\$ 3.6039	\$ 805,494	233,913	\$ 0.9024	\$ 211,089	24,670	\$ 1.9924	\$ 49,151	\$ 260,240
July	259,197	\$ 3.6050	\$ 934,406	264,880	\$ 0.9022	\$ 238,971	29,182	\$ 1.9955	\$ 58,231	\$ 297,202
August	254,956	\$ 3.6036	\$ 918,750	259,709	\$ 0.9033	\$ 234,606	26,913	\$ 1.9929	\$ 53,635	\$ 288,240
September	258,108	\$ 3.6039	\$ 930,192	263,159	\$ 0.9025	\$ 237,492	28,114	\$ 1.9924	\$ 56,013	\$ 293,505
October	184,725	\$ 3.5946	\$ 664,012	200,683	\$ 0.9059	\$ 181,805	23,329	\$ 1.9897	\$ 46,418	\$ 228,223
November	203,384	\$ 3.5959	\$ 731,340	219,008	\$ 0.9051	\$ 198,232	24,335	\$ 1.9898	\$ 48,421	\$ 246,653
December	204,041	\$ 3.5958	\$ 733,689	222,002	\$ 0.9040	\$ 200,684	25,029	\$ 1.9895	\$ 49,797	\$ 250,480
Total	2,675,314	\$ 3.60	\$ 9,630,289	2,780,716	\$ 0.90	\$ 2,515,445	313,212	\$ 1.99	\$ 623,811	\$ 3,139,256



Incentive Regulation Model for 2017 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2017 Uniform Transmission Rates are applied against historical 2015 transmission units.

IESO				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount			
January	213,748	\$ 3.6600	\$ 782,318	214,801	\$ 0.8700	\$ 186,877	23,257	\$ 2.0200	\$ 46,979	\$		\$	233,856
February	204,564	\$ 3.6600	\$ 748,704	215,513	\$ 0.8700	\$ 187,496	23,952	\$ 2.0200	\$ 48,383	\$		\$	235,879
March	200,240	\$ 3.6600	\$ 732,878	203,791	\$ 0.8700	\$ 177,298	24,327	\$ 2.0200	\$ 49,141	\$		\$	226,439
April	176,680	\$ 3.6600	\$ 646,649	188,347	\$ 0.8700	\$ 163,862	23,129	\$ 2.0200	\$ 46,721	\$		\$	210,582
May	211,203	\$ 3.6600	\$ 773,003	212,978	\$ 0.8700	\$ 185,291	21,385	\$ 2.0200	\$ 43,198	\$		\$	228,489
June	208,753	\$ 3.6600	\$ 764,036	218,979	\$ 0.8700	\$ 190,512	21,930	\$ 2.0200	\$ 44,299	\$		\$	234,810
July	242,447	\$ 3.6600	\$ 887,356	247,962	\$ 0.8700	\$ 215,727	26,302	\$ 2.0200	\$ 53,130	\$		\$	268,857
August	238,065	\$ 3.6600	\$ 871,318	242,656	\$ 0.8700	\$ 211,111	23,977	\$ 2.0200	\$ 48,434	\$		\$	259,544
September	240,898	\$ 3.6600	\$ 881,687	245,819	\$ 0.8700	\$ 213,863	24,989	\$ 2.0200	\$ 50,478	\$		\$	264,340
October	170,343	\$ 3.6600	\$ 623,455	186,135	\$ 0.8700	\$ 161,937	20,484	\$ 2.0200	\$ 41,378	\$		\$	203,315
November	187,768	\$ 3.6600	\$ 687,231	203,363	\$ 0.8700	\$ 176,926	21,379	\$ 2.0200	\$ 43,186	\$		\$	220,111
December	188,229	\$ 3.6600	\$ 688,918	206,092	\$ 0.8700	\$ 179,300	21,962	\$ 2.0200	\$ 44,363	\$		\$	223,663
Total	2,482,938	\$ 3.66	\$ 9,087,553	2,586,436	\$ 0.87	\$ 2,250,199	277,073	\$ 2.02	\$ 559,687	\$		\$	2,809,887

Hydro One				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount			
January	3,518	\$ 3.3396	\$ 11,750	3,607	\$ 0.7791	\$ 2,810	3,607	\$ 1.7713	\$ 6,389	\$		\$	9,199
February	3,389	\$ 3.3396	\$ 11,317	3,525	\$ 0.7791	\$ 2,746	3,525	\$ 1.7713	\$ 6,244	\$		\$	8,990
March	3,071	\$ 3.3396	\$ 10,257	3,211	\$ 0.7791	\$ 2,502	3,211	\$ 1.7713	\$ 5,688	\$		\$	8,190
April	2,357	\$ 3.3396	\$ 7,872	2,357	\$ 0.7791	\$ 1,836	2,357	\$ 1.7713	\$ 4,175	\$		\$	6,011
May	2,854	\$ 3.3396	\$ 9,532	2,890	\$ 0.7791	\$ 2,251	2,890	\$ 1.7713	\$ 5,119	\$		\$	7,370
June	2,558	\$ 3.3396	\$ 8,542	2,740	\$ 0.7791	\$ 2,135	2,740	\$ 1.7713	\$ 4,853	\$		\$	6,987
July	2,711	\$ 3.3396	\$ 9,054	2,880	\$ 0.7791	\$ 2,244	2,880	\$ 1.7713	\$ 5,101	\$		\$	7,344
August	2,774	\$ 3.3396	\$ 9,263	2,936	\$ 0.7791	\$ 2,288	2,936	\$ 1.7713	\$ 5,201	\$		\$	7,489
September	2,995	\$ 3.3396	\$ 10,002	3,125	\$ 0.7791	\$ 2,435	3,125	\$ 1.7713	\$ 5,535	\$		\$	7,969
October	2,679	\$ 3.3396	\$ 8,947	2,846	\$ 0.7791	\$ 2,217	2,845	\$ 1.7713	\$ 5,040	\$		\$	7,257
November	2,927	\$ 3.3396	\$ 9,775	2,956	\$ 0.7791	\$ 2,303	2,956	\$ 1.7713	\$ 5,236	\$		\$	7,539
December	2,969	\$ 3.3396	\$ 9,914	3,067	\$ 0.7791	\$ 2,390	3,067	\$ 1.7713	\$ 5,433	\$		\$	7,823
Total	34,802	\$ 3.34	\$ 116,224	36,139	\$ 0.78	\$ 28,156	36,139	\$ 1.77	\$ 64,013	\$		\$	92,169

Kitchener Wilmot Hydro				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount			
January	4,589	\$ 3.0422	\$ 13,962	4,589	\$ 0.7391	\$ 3,392	-	\$ -	\$ -	\$		\$	3,392
February	4,595	\$ 3.0422	\$ 13,978	4,622	\$ 0.7391	\$ 3,416	-	\$ -	\$ -	\$		\$	3,416
March	4,141	\$ 3.0422	\$ 12,598	4,317	\$ 0.7391	\$ 3,191	-	\$ -	\$ -	\$		\$	3,191
April	3,558	\$ 3.0422	\$ 10,823	3,558	\$ 0.7391	\$ 2,629	-	\$ -	\$ -	\$		\$	2,629
May	3,663	\$ 3.0422	\$ 11,145	3,663	\$ 0.7391	\$ 2,708	-	\$ -	\$ -	\$		\$	2,708
June	3,686	\$ 3.0422	\$ 11,214	3,686	\$ 0.7391	\$ 2,725	-	\$ -	\$ -	\$		\$	2,725
July	4,452	\$ 3.0422	\$ 13,544	4,452	\$ 0.7391	\$ 3,290	-	\$ -	\$ -	\$		\$	3,290
August	4,396	\$ 3.0422	\$ 13,374	4,396	\$ 0.7391	\$ 3,249	-	\$ -	\$ -	\$		\$	3,249
September	4,570	\$ 3.0422	\$ 13,904	4,570	\$ 0.7391	\$ 3,378	-	\$ -	\$ -	\$		\$	3,378
October	3,580	\$ 3.0422	\$ 10,892	3,580	\$ 0.7391	\$ 2,646	-	\$ -	\$ -	\$		\$	2,646
November	4,004	\$ 3.0422	\$ 12,182	4,004	\$ 0.7391	\$ 2,960	-	\$ -	\$ -	\$		\$	2,960
December	4,270	\$ 3.0422	\$ 12,989	4,270	\$ 0.7391	\$ 3,156	-	\$ -	\$ -	\$		\$	3,156
Total	49,506	\$ 3.04	\$ 150,606	49,709	\$ 0.74	\$ 36,740	-	\$ -	\$ -	\$		\$	36,740



Incentive Regulation Model for 2017 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2017 Uniform Transmission Rates are applied against historical 2015 transmission units.

Energy +	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	9,581	\$ 2.4994	\$ 23,948	9,581	\$ 1.8475	\$ 17,702	-	\$ -	\$ -	\$ 17,702
February	9,340	\$ 2.4994	\$ 23,344	9,571	\$ 1.8475	\$ 17,682	-	\$ -	\$ -	\$ 17,682
March	8,998	\$ 2.4994	\$ 22,489	9,085	\$ 1.8475	\$ 16,784	-	\$ -	\$ -	\$ 16,784
April	8,467	\$ 2.4994	\$ 21,162	8,498	\$ 1.8475	\$ 15,700	-	\$ -	\$ -	\$ 15,700
May	8,844	\$ 2.4994	\$ 22,104	8,858	\$ 1.8475	\$ 16,366	-	\$ -	\$ -	\$ 16,366
June	8,508	\$ 2.4994	\$ 21,265	8,508	\$ 1.8475	\$ 15,719	-	\$ -	\$ -	\$ 15,719
July	9,586	\$ 2.4994	\$ 23,960	9,586	\$ 1.8475	\$ 17,711	-	\$ -	\$ -	\$ 17,711
August	9,721	\$ 2.4994	\$ 24,296	9,721	\$ 1.8475	\$ 17,959	-	\$ -	\$ -	\$ 17,959
September	9,644	\$ 2.4994	\$ 24,105	9,644	\$ 1.8475	\$ 17,818	-	\$ -	\$ -	\$ 17,818
October	8,122	\$ 2.4994	\$ 20,300	8,122	\$ 1.8475	\$ 15,006	-	\$ -	\$ -	\$ 15,006
November	8,684	\$ 2.4994	\$ 21,706	8,684	\$ 1.8475	\$ 16,044	-	\$ -	\$ -	\$ 16,044
December	8,573	\$ 2.4994	\$ 21,428	8,573	\$ 1.8475	\$ 15,839	-	\$ -	\$ -	\$ 15,839
Total	108,069	\$ 2.50	\$ 270,107	108,433	\$ 1.85	\$ 200,329	-	\$ -	\$ -	\$ 200,329

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	231,437	\$ 3.59	\$ 831,977	232,579	\$ 0.91	\$ 210,781	26,864	\$ 1.99	\$ 53,368	\$ 264,148
February	221,887	\$ 3.59	\$ 797,343	233,231	\$ 0.91	\$ 211,341	27,477	\$ 1.99	\$ 54,627	\$ 265,967
March	216,450	\$ 3.60	\$ 778,223	220,404	\$ 0.91	\$ 199,775	27,538	\$ 1.99	\$ 54,829	\$ 254,603
April	191,061	\$ 3.59	\$ 686,505	202,760	\$ 0.91	\$ 184,028	25,486	\$ 2.00	\$ 50,896	\$ 234,924
May	226,564	\$ 3.60	\$ 815,784	228,390	\$ 0.90	\$ 206,616	24,275	\$ 1.99	\$ 48,317	\$ 254,932
June	223,505	\$ 3.60	\$ 805,057	233,913	\$ 0.90	\$ 211,089	24,670	\$ 1.99	\$ 49,151	\$ 260,241
July	259,197	\$ 3.60	\$ 933,915	264,880	\$ 0.90	\$ 238,972	29,182	\$ 2.00	\$ 58,231	\$ 297,203
August	254,956	\$ 3.60	\$ 918,251	259,709	\$ 0.90	\$ 234,607	26,913	\$ 1.99	\$ 53,635	\$ 288,241
September	258,108	\$ 3.60	\$ 929,697	263,159	\$ 0.90	\$ 237,493	28,114	\$ 1.99	\$ 56,013	\$ 293,506
October	184,725	\$ 3.59	\$ 663,595	200,683	\$ 0.91	\$ 181,806	23,329	\$ 1.99	\$ 46,418	\$ 228,224
November	203,384	\$ 3.59	\$ 730,894	219,008	\$ 0.91	\$ 198,233	24,335	\$ 1.99	\$ 48,421	\$ 246,654
December	204,041	\$ 3.59	\$ 733,249	222,002	\$ 0.90	\$ 200,685	25,029	\$ 1.99	\$ 49,797	\$ 250,481
Total	2,675,314	\$ 3.60	\$ 9,624,490	2,780,716	\$ 0.90	\$ 2,515,424	313,212	\$ 1.99	\$ 623,701	\$ 3,139,125

Incentive Regulation Model for 2017 Filers

The purpose of this table is to re-align the current RTS Network Rates to recover current wholesale network costs.

Rate Class	Rate Description	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate – Network Service Rate	\$/KWh	0.0074	419,379,181	0	3,103,406	30.7%	2,953,790	0.0070
General Service Less Than 50 kW Service Classification	Retail Transmission Rate – Network Service Rate	\$/KWh	0.0067	203,176,641	0	1,361,284	13.5%	1,295,656	0.0064
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Network Service Rate – (less than 1,000 kW)	\$/kW	2.7741		526,536	1,460,664	14.4%	1,390,245	2.6404
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Network Service Rate – Interval Metered (less than 1,000 kW)	\$/kW	2.9465		696,360	2,051,825	20.3%	1,952,906	2.8044
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Network Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	2.9427		517,566	1,523,041	15.1%	1,449,615	2.8908
Large Use Service Classification	Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	3.2624		170,151	555,101	5.5%	528,339	3.1051
Unmetered Scattered Load Service Classification	Retail Transmission Rate – Network Service Rate	\$/KWh	0.0067	2,745,080	0	18,392	0.2%	17,505	0.0064
Street Lighting Service Classification	Retail Transmission Rate – Network Service Rate	\$/kW	2.0924		21,206	44,371	0.4%	42,232	1.9915

The purpose of this table is to re-align the current RTS Connection Rates to recover current wholesale connection costs.

Rate Class	Rate Description	Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR- Connection
Residential Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/KWh	0.0023	419,379,181	0	964,572	29.9%	939,648	0.0022
General Service Less Than 50 kW Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/KWh	0.0021	203,176,641	0	426,871	13.2%	415,646	0.0020
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate – (less than 1,000 kW)	\$/kW	0.8036		526,536	423,124	13.1%	412,191	0.7828
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (less than 1.0)	\$/kW	1.0037		696,360	698,937	21.7%	680,876	0.9778
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (1,000 to 4.9)	\$/kW	1.0026		517,566	518,912	16.1%	505,503	0.9767
Large Use Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	1.0072		170,151	171,376	5.3%	166,948	0.9812
Unmetered Scattered Load Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/KWh	0.0021	2,745,080	0	5,795	0.2%	5,615	0.0020
Street Lighting Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6210		21,206	13,169	0.4%	12,829	0.6050

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Network
Residential Service Classification	Retail Transmission Rate – Network Service Rate	\$/KWh	0.0070	419,379,181	0	2,953,790	30.7%	2,952,012	0.0070
General Service Less Than 50 kW Service Classification	Retail Transmission Rate – Network Service Rate	\$/KWh	0.0064	203,176,641	0	1,295,656	13.5%	1,294,876	0.0064
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Network Service Rate – (less than 1,000 kW)	\$/kW	2.6404		526,536	1,390,245	14.4%	1,389,408	2.6388
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Network Service Rate – Interval Metered (less than 1,000 kW)	\$/kW	2.8044		696,360	1,952,906	20.3%	1,951,730	2.8028
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Network Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	2.8908		517,566	1,449,615	15.1%	1,448,743	2.7991
Large Use Service Classification	Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	3.1051		170,151	528,339	5.5%	528,021	3.1032
Unmetered Scattered Load Service Classification	Retail Transmission Rate – Network Service Rate	\$/KWh	0.0064	2,745,080	0	17,505	0.2%	17,495	0.0064
Street Lighting Service Classification	Retail Transmission Rate – Network Service Rate	\$/kW	1.9915		21,206	42,232	0.4%	42,207	1.9903

The purpose of this table is to update the re-aligned RTS Connection Rates to recover future wholesale connection costs.

Rate Class	Rate Description	Unit	Adjusted RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Connection
Residential Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/KWh	0.0022	419,379,181	0	939,648	29.9%	939,609	0.0022
General Service Less Than 50 kW Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/KWh	0.0020	203,176,641	0	415,646	13.2%	415,629	0.0020
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate – (less than 1,000 kW)	\$/kW	0.7828		526,536	412,191	13.1%	412,174	0.7828
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (less than 1.0)	\$/kW	0.9778		696,360	680,876	21.7%	680,848	0.9777
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (1,000 to 4.9)	\$/kW	0.9767		517,566	505,503	16.1%	505,482	0.9767
Large Use Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	0.9812		170,151	166,948	5.3%	166,941	0.9811
Unmetered Scattered Load Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/KWh	0.0020	2,745,080	0	5,615	0.2%	5,615	0.0020
Street Lighting Service Classification	Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6050		21,206	12,829	0.4%	12,828	0.6049

Incentive Regulation Model for 2017 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator and Stretch Factor have been set at the 2016 values and will be updated by OEB staff at a later date.

Price Escalator	2.10%	Productivity Factor	0.00%	# of Residential Customers (approved in the last CoS)	49,453	Effective Year of Residential Rate Design Transition (yyyy)		
Choose Stretch Factor Group	III	Price Cap Index	1.80%	Billed kWh for Residential Class (approved in the last CoS)	408,868,804	OEB-approved # of Transition Years	2016	
							4	
Associated Stretch Factor Value	0.30%	Rate Design Transition Years Left				3		
Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge	
RESIDENTIAL SERVICE CLASSIFICATION	19.71		0.0154		1.80%	23.67	0.0105	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	31.96		0.0159		1.80%	32.54	0.0162	
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	119.38		5.0649		1.80%	121.53	5.1561	
LARGE USE SERVICE CLASSIFICATION	6975.72		4.0196		1.80%	7,101.28	4.0920	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	10.61		0.0132		1.80%	10.80	0.0134	
STREET LIGHTING SERVICE CLASSIFICATION	0.33		9.3754		1.80%	0.34	9.5442	
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	0		0.02		1.80%	0.00	0.0204	
MICROFIT SERVICE CLASSIFICATION	5.4					5.4		
Rate Design Transition								
		Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge (\$/month/year)	New F/V Split	Adjusted Rates ¹	Revenue at New F/V Split
Current Residential Fixed Rate (inclusive of R/C adj.)	19.7100	11,696,624	65.0%	11.7%	3.54	76.7%	23.25	13,797,387
Current Residential Variable Rate (inclusive of R/C adj.)	0.0154	6,296,580	35.0%			23.3%	0.0103	4,211,349
		17,993,203						18,008,736

¹ These are the residential rates to which the Price Cap Index will be applied to.



Incentive Regulation Model for 2017 Filers

Update the following rates if an OEB Decision has been issued at the time of completing this application

Proposed		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
Ontario Electricity Support Program (OESP)	\$/kWh	0.0011

Incentive Regulation Model for 2017 Filers

In the Green Cells below, enter any proposed rate riders that are not already included in this model (e.g.: proposed ICM rate riders). Please note that existing SMIRR and SM Entity Charge do not need to be included below.
 In column A, the rate rider descriptions must begin with "Rate Rider for".
 In column B, choose the associated unit from the drop-down menu.
 In column C, enter the rate. All rate riders with a "\$" unit should be rounded to 2 decimal places and all others rounded to 4 decimal places.
 In column E, enter the expiry date (e.g. April 30, 2018) or description of the expiry date in text (e.g. the effective date of the next cost of service-based rate order).
 In column G, choose the sub-total as applicable in the bill impact calculation from the drop-down menu

RESIDENTIAL SERVICE CLASSIFICATION

Rate Rider for Disposition of Capacity Based Recovery (2017)	\$/kWh	0.0003	- effective until	12/31/2017	B
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

Rate Rider for Disposition of Capacity Based Recovery (2017)	\$/kWh	0.0003	- effective until	12/31/2017	B
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 50 TO 4999 KW SERVICE CLASSIFICATION

Rate Rider for Disposition of Capacity Based Recovery (2017)	\$/kW	0.1114	- effective until	12/31/2017	B
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

LARGE USE SERVICE CLASSIFICATION

			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

Rate Rider for Disposition of Capacity Based Recovery (2017)	\$/kWh	0.0003	- effective until	12/31/2017	B
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STREET LIGHTING SERVICE CLASSIFICATION

Rate Rider for Disposition of Capacity Based Recovery (2017)	\$/kW	0.1005	- effective until	12/31/2017	B
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

Rate Rider for Disposition of Capacity Based Recovery (2017)	\$/kW	0.1246	- effective until	12/31/2017	B
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

MICROFIT SERVICE CLASSIFICATION

			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

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RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	23.67
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2018	\$	0.58
Distribution Volumetric Rate	\$/kWh	0.0105
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017 Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kWh	(0.0033)
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0070
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0022

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017
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ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

In this class:

“Aboriginal person” includes a person who is a First Nations person, a Métis person or an Inuit person;

“account-holder” means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

“electricity-intensive medical device” means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

“household” means the account-holder and any other people living at the accountholder’s service address for at least six months in a year, including people other than the account-holder’s spouse, children or other relatives;

“household income” means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

(a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;

(d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;

but does not include account-holders in Class E.

OESP Credit	\$	(30.00)
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Class B

(a) account-holders with a household income of \$28,000 or less living in a household of three persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;

but does not include account-holders in Class F.

OESP Credit	\$	(34.00)
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Class C

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0109

(a) account-holders with a household income of \$28,000 or less living in a household of four persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;

but does not include account-holders in Class G.

OESP Credit	\$	(38.00)
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Class D

(a) account-holders with a household income of \$28,000 or less living in a household of five persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;

but does not include account-holders in Class H.

OESP Credit	\$	(42.00)
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Class E

Class E comprises account-holders with a household income and household size described under Class A

who also meet any of the following conditions:

(a) the dwelling to which the account relates is heated primarily by electricity;

(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or

(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit	\$	(45.00)
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Class F

(a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or

(c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

i. the dwelling to which the account relates is heated primarily by electricity;

ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or

iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit	\$	(50.00)
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Class G

Class G comprises account-holders with a household income and household size described under Class C

who also meet any of the following conditions:

(a) the dwelling to which the account relates is heated primarily by electricity;

(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or

(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit	\$	(55.00)
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Class H

Class H comprises account-holders with a household income and household size described under Class D

who also meet any of the following conditions:

(a) the dwelling to which the account relates is heated primarily by electricity;

(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or

(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit	\$	(60.00)
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Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

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Issued Month day, Year

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- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit

\$ (75.00)

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GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	32.54
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2018	\$	1.38
Distribution Volumetric Rate	\$/kWh	0.0162
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kWh	(0.0033)
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0020

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service. Note that for the application of the Retail Transmission Rate – Network Service Rate and the Retail Transmission Rate –Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered; General Service 50 to 999 kW interval metered; and General Service 1,000 to 4,999 kW interval metered.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	121.53
Distribution Volumetric Rate	\$/kW	5.1561
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017 Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017 Applicable only for Non-Wholesale Market Participants	\$/kW	(1.2285)
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kW	(0.0590)
Low Voltage Service Rate	\$/kW	0.0738
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kW	0.1114
Retail Transmission Rate – Network Service Rate – (less than 1,000 kW)	\$/kW	2.6388
Retail Transmission Rate – Network Service Rate – Interval Metered (less than 1,000 kW)	\$/kW	2.8028
Retail Transmission Rate – Network Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	2.7991
Retail Transmission Rate – Line and Transformation Connection Service Rate – (less than 1,000 kW)	\$/kW	0.7828
Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (less than 1,000 kW)	\$/kW	0.9777
Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	0.9767

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	7,101.28
Distribution Volumetric Rate	\$/kW	4.0920
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kW	(1.7948)
Low Voltage Service Rate	\$/kW	0.0925
Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	3.1032
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	0.9811

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	10.80
Distribution Volumetric Rate	\$/kWh	0.0134
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017 Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kWh	(0.0033)
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0020

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	0.34
Distribution Volumetric Rate	\$/kW	9.5442
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017 Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kW	(1.1607)
Low Voltage Service Rate	\$/kW	0.0570
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kW	0.1005
Retail Transmission Rate – Network Service Rate	\$/kW	1.9903
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6049

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.40
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EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Distribution Volumetric Rate	\$/kW	0.0204
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until December 31, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0024
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until December 31, 2017	\$/kW	(1.4460)
Rate Rider for Disposition of Capacity Based Recovery (2017) - effective until December 31, 2017	\$/kW	0.1246

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.6000)
Primary Metering Allowance for transformer losses – applied to measured demand and energy	%	(1.00)

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SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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Customer Administration

Easement Letter	\$	15.00
Notification Charge	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned Cheque charge (plus bank charges)	\$	15.00
Duplicate Invoices for Previous Billing	\$	15.00
Income Tax Letter	\$	15.00
Account set up charge / change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00

Other

Specific Charge for Access to the Power Poles – per pole/year	\$	22.35
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RETAIL SERVICE CHARGES (if applicable)

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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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 monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail		
Settlement Code directly to retailers and customers, if not delivered electronically through the		
Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

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LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0362
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0147
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0259
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0047



Incentive Regulation Model for 2017 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. To assess the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, applicants are to include a total bill impact for a residential customer at the distributor's 10th consumption percentile (in other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis). Refer to page 9 of the Filing Requirements For Electricity Distribution Rate Applications issued July 14, 2016.

For certain classes where one or more customers have unique consumption and demand patterns and which may be significantly impacted by the proposed rate changes, the distributor must show a typical comparison, and provide an explanation.

Note:

- For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2016 of \$0.113/kWh (IESO's Monthly Market Report for May 2016, page 22) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.
- Due to the change to energy consumption used in the calculation of GA rate riders for the 2017 rate year, the separate "GA Rate Riders" line is only applicable to the "Proposed" section of the bill impact tables.
- Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

Note that cells with the highlighted color shown to the left indicate quantities that are lost adjusted.

Table 1

RATE CLASSES / CATEGORIES (eg: Residential TOU, Residential Retailer)	Units	RPP? Non-RPP Retailer? Non-RPP Other?	Current Loss Factor (eg: 1.0351)	Proposed Loss Factor	Consumption (kWh)	Demand kW (if applicable)	RTSR Demand or Demand- Interval?	Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections).
RESIDENTIAL SERVICE CLASSIFICATION	kWh	RPP	1.0362	1.0362	750		N/A	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	RPP	1.0362	1.0362	2,000		N/A	
GENERAL SERVICE 50 TO 4,999 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0362	1.0362	100,000	250	DEMAND	
LARGE USE SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0047	1.0047	8,000,000	14,500	DEMAND	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	RPP	1.0362	1.0362	150		N/A	1
STREET LIGHTING SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0362	1.0362	50	0	DEMAND	1
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0362	1.0362	2,615,000	6,000	DEMAND	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0362	1.0362	750		N/A	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0362	1.0362	2,000		N/A	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	RPP	1.0362	1.0362	287		N/A	
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								

Table 2

RATE CLASSES / CATEGORIES (eg: Residential TOU, Residential Retailer)	Units	Sub-Total						Total	
		A		B		C		A + B + C	
		\$	%	\$	%	\$	%	\$	%
1 RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ 1.34	4.3%	\$ (2.12)	-5.9%	\$ (2.50)	-5.8%	\$ (2.83)	-1.9%
2 GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - RPP	kWh	\$ 2.58	4.0%	\$ (6.82)	-8.9%	\$ (7.65)	-8.1%	\$ (8.64)	-2.2%
3 GENERAL SERVICE 50 TO 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 120.90	9.4%	\$ (442.60)	-24.4%	\$ (481.63)	-17.8%	\$ (544.24)	-3.1%
4 LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 10,720.71	19.2%	\$ (30,539.04)	-42.2%	\$ (33,225.89)	-24.8%	\$ (37,545.26)	-2.9%
5 UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	\$ 0.46	3.7%	\$ (0.23)	-1.7%	\$ (0.29)	-2.0%	\$ (0.33)	-0.9%
6 STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 0.11	7.2%	\$ (0.17)	-8.4%	\$ (0.19)	-7.8%	\$ (0.21)	-2.1%
7 EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 2.40	2.0%	\$ (13,041.00)	-113.3%	\$ (13,041.00)	-113.3%	\$ (14,736.33)	-3.7%
8 RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ 1.34	4.3%	\$ (2.64)	-6.9%	\$ (3.03)	-6.6%	\$ (3.42)	-2.2%
9 GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ 2.58	4.0%	\$ (8.22)	-9.9%	\$ (9.05)	-9.0%	\$ (10.23)	-2.6%
10 RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ 2.96	12.2%	\$ 1.64	6.1%	\$ 1.49	5.0%	\$ 1.68	2.3%
11									
12									
13									
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18									
19									
20									

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption:	750	kWh	
Demand:	-	kW	
Current Loss Factor:	1.0362		
Proposed/Approved Loss Factor:	1.0362		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.71	1	\$ 19.71	\$ 23.67	1	\$ 23.67	\$ 3.96	20.09%
Distribution Volumetric Rate	\$ 0.0154	750	\$ 11.55	\$ 0.0105	750	\$ 7.88	\$ (3.68)	-31.82%
Fixed Rate Riders	\$ 0.58	1	\$ 0.58	\$ 0.58	1	\$ 0.58	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0014	750	\$ (1.05)	\$ -	750	\$ -	\$ 1.05	-100.00%
Sub-Total A (excluding pass through)			\$ 30.79			\$ 32.13	\$ 1.34	4.34%
Line Losses on Cost of Power	\$ 0.1114	27	\$ 3.02	\$ 0.1114	27	\$ 3.02	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	750	\$ 1.20	-\$ 0.0030	750	\$ (2.25)	\$ (3.45)	-287.50%
GA Rate Riders			\$ -		750	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.0002	750	\$ 0.15	\$ 0.0002	750	\$ 0.15	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 35.95			\$ 33.84	\$ (2.12)	-5.88%
RTSR - Network	\$ 0.0074	777	\$ 5.75	\$ 0.0070	777	\$ 5.44	\$ (0.31)	-5.41%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0023	777	\$ 1.79	\$ 0.0022	777	\$ 1.71	\$ (0.08)	-4.35%
Sub-Total C - Delivery (including Sub-Total B)			\$ 43.49			\$ 40.99	\$ (2.50)	-5.76%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	777	\$ 2.80	\$ 0.0036	777	\$ 2.80	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	777	\$ 1.01	\$ 0.0013	777	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	777	\$ 0.85	\$ 0.0011	777	\$ 0.85	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	488	\$ 42.41	\$ 0.0870	488	\$ 42.41	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	128	\$ 16.83	\$ 0.1320	128	\$ 16.83	\$ -	0.00%
TOU - On Peak	\$ 0.1800	135	\$ 24.30	\$ 0.1800	135	\$ 24.30	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 131.95			\$ 129.44	\$ (2.50)	-1.90%
HST		13%	\$ 17.15		13%	\$ 16.83	\$ (0.33)	-1.90%
Total Bill on TOU			\$ 149.10			\$ 146.27	\$ (2.83)	-1.90%

Customer Class:	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption:	2,000	kWh	
Demand:	-	kW	
Current Loss Factor:	1.0362		
Proposed/Approved Loss Factor:	1.0362		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 31.96	1	\$ 31.96	\$ 32.54	1	\$ 32.54	\$ 0.58	1.81%
Distribution Volumetric Rate	\$ 0.0159	2000	\$ 31.80	\$ 0.0162	2000	\$ 32.40	\$ 0.60	1.89%
Fixed Rate Riders	\$ 1.38	1	\$ 1.38	\$ 1.38	1	\$ 1.38	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0007	2000	\$ (1.40)	\$ -	2000	\$ -	\$ 1.40	-100.00%
Sub-Total A (excluding pass through)			\$ 63.74			\$ 66.32	\$ 2.58	4.05%
Line Losses on Cost of Power	\$ 0.1114	72	\$ 8.06	\$ 0.1114	72	\$ 8.06	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0017	2,000	\$ 3.40	-\$ 0.0030	2,000	\$ (6.00)	\$ (9.40)	-276.47%
GA Rate Riders			\$ -		2,000	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.0002	2,000	\$ 0.40	\$ 0.0002	2,000	\$ 0.40	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 76.39			\$ 69.57	\$ (6.82)	-8.93%
RTSR - Network	\$ 0.0067	2,072	\$ 13.89	\$ 0.0064	2,072	\$ 13.26	\$ (0.62)	-4.48%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0021	2,072	\$ 4.35	\$ 0.0020	2,072	\$ 4.14	\$ (0.21)	-4.76%
Sub-Total C - Delivery (including Sub-Total B)			\$ 94.63			\$ 86.98	\$ (7.65)	-8.08%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,072	\$ 7.46	\$ 0.0036	2,072	\$ 7.46	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,072	\$ 2.69	\$ 0.0013	2,072	\$ 2.69	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	2,072	\$ 2.28	\$ 0.0011	2,072	\$ 2.28	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	1,300	\$ 113.10	\$ 0.0870	1,300	\$ 113.10	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	340	\$ 44.88	\$ 0.1320	340	\$ 44.88	\$ -	0.00%
TOU - On Peak	\$ 0.1800	360	\$ 64.80	\$ 0.1800	360	\$ 64.80	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 344.10			\$ 336.45	\$ (7.65)	-2.22%
HST	13%		\$ 44.73	13%		\$ 43.74	\$ (0.99)	-2.22%
Total Bill on TOU			\$ 388.83			\$ 380.19	\$ (8.64)	-2.22%

Customer Class:	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption:	100,000 kWh
Demand:	250 kW
Current Loss Factor:	1.0362
Proposed/Approved Loss Factor:	1.0362

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 119.38	1	\$ 119.38	\$ 121.53	1	\$ 121.53	\$ 2.15	1.80%
Distribution Volumetric Rate	\$ 5.0649	250	\$ 1,266.23	\$ 5.1561	250	\$ 1,289.03	\$ 22.80	1.80%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	-\$ 0.3838	250	\$ (95.95)	\$ -	250	\$ -	\$ 95.95	-100.00%
Sub-Total A (excluding pass through)			\$ 1,289.66			\$ 1,410.56	\$ 120.90	9.37%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 2.0379	250	\$ 509.48	-\$ 1.1761	250	\$ (294.03)	\$ (803.50)	-157.71%
GA Rate Riders				\$ 0.0024	100,000	\$ 240.00	\$ 240.00	
Low Voltage Service Charge	\$ 0.0738	250	\$ 18.45	\$ 0.0738	250	\$ 18.45	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 1,817.58			\$ 1,374.98	\$ (442.60)	-24.35%
RTSR - Network	\$ 2.7741	250	\$ 693.53	\$ 2.6388	250	\$ 659.70	\$ (33.83)	-4.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.8036	250	\$ 200.90	\$ 0.7828	250	\$ 195.70	\$ (5.20)	-2.59%
Sub-Total C - Delivery (including Sub-Total B)			\$ 2,712.01			\$ 2,230.38	\$ (481.63)	-17.76%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	103,620	\$ 373.03	\$ 0.0036	103,620	\$ 373.03	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	103,620	\$ 134.71	\$ 0.0013	103,620	\$ 134.71	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	
Debt Retirement Charge (DRC)	\$ 0.0070	100,000	\$ 700.00	\$ 0.0070	100,000	\$ 700.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	103,620	\$ 113.98	\$ 0.0011	103,620	\$ 113.98	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	103,620	\$ 11,709.06	\$ 0.1130	103,620	\$ 11,709.06	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 15,743.04			\$ 15,261.41	\$ (481.63)	-3.06%
HST	13%		\$ 2,046.59	13%		\$ 1,983.98	\$ (62.61)	-3.06%
Total Bill on Average IESO Wholesale Market Price			\$ 17,789.63			\$ 17,245.39	\$ (544.24)	-3.06%

Customer Class:	LARGE USE SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption:	8,000,000 kWh
Demand:	14,500 kW
Current Loss Factor:	1.0047
Proposed/Approved Loss Factor:	1.0047

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.975.72	1	\$ 6,975.72	\$ 7,101.28	1	\$ 7,101.28	\$ 125.56	1.80%
Distribution Volumetric Rate	\$ 4.0196	14500	\$ 58,284.20	\$ 4.0920	14500	\$ 59,334.00	\$ 1,049.80	1.80%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	-\$ 0.6583	14500	\$ (9,545.35)	\$ -	14500	\$ -	\$ 9,545.35	-100.00%
Sub-Total A (excluding pass through)			\$ 55,714.57			\$ 66,435.28	\$ 10,720.71	19.24%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 1.0507	14,500	\$ 15,235.15	-\$ 1.7948	14,500	\$ (26,024.60)	\$ (41,259.75)	-270.82%
GA Rate Riders				\$ -	8,000,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0925	14,500	\$ 1,341.25	\$ 0.0925	14,500	\$ 1,341.25	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 72,290.97			\$ 41,751.93	\$ (30,539.04)	-42.24%
RTSR - Network	\$ 3.2624	14,500	\$ 47,304.80	\$ 3.1032	14,500	\$ 44,996.40	\$ (2,308.40)	-4.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.0072	14,500	\$ 14,604.40	\$ 0.9811	14,500	\$ 14,225.95	\$ (378.45)	-2.59%
Sub-Total C - Delivery (including Sub-Total B)			\$ 134,200.17			\$ 100,974.28	\$ (33,225.89)	-24.76%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	8,037,600	\$ 28,935.36	\$ 0.0036	8,037,600	\$ 28,935.36	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	8,037,600	\$ 10,448.88	\$ 0.0013	8,037,600	\$ 10,448.88	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	
Debt Retirement Charge (DRC)	\$ 0.0070	8,000,000	\$ 56,000.00	\$ 0.0070	8,000,000	\$ 56,000.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	8,037,600	\$ 8,841.36	\$ 0.0011	8,037,600	\$ 8,841.36	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	8,037,600	\$ 908,248.80	\$ 0.1130	8,037,600	\$ 908,248.80	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 1,146,674.82			\$ 1,113,448.93	\$ (33,225.89)	-2.90%
HST		13%	\$ 149,067.73		13%	\$ 144,748.36	\$ (4,319.37)	-2.90%
Total Bill on Average IESO Wholesale Market Price			\$ 1,295,742.55			\$ 1,258,197.29	\$ (37,545.26)	-2.90%

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption:	150	kWh	
Demand:	-	kW	
Current Loss Factor:	1.0362		
Proposed/Approved Loss Factor:	1.0362		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 10.61	1	\$ 10.61	\$ 10.80	1	\$ 10.80	\$ 0.19	1.79%
Distribution Volumetric Rate	\$ 0.0132	150	\$ 1.98	\$ 0.0134	150	\$ 2.01	\$ 0.03	1.52%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	-\$ 0.0016	150	\$ (0.24)	\$ -	150	\$ -	\$ 0.24	-100.00%
Sub-Total A (excluding pass through)			\$ 12.35			\$ 12.81	\$ 0.46	3.72%
Line Losses on Cost of Power	\$ 0.1114	5	\$ 0.60	\$ 0.1114	5	\$ 0.60	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	150	\$ 0.24	-\$ 0.0030	150	\$ (0.45)	\$ (0.69)	-287.50%
GA Rate Riders			\$ -		150	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0002	150	\$ 0.03	\$ 0.0002	150	\$ 0.03	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 13.22			\$ 12.99	\$ (0.23)	-1.74%
RTSR - Network	\$ 0.0067	155	\$ 1.04	\$ 0.0064	155	\$ 0.99	\$ (0.05)	-4.48%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0021	155	\$ 0.33	\$ 0.0020	155	\$ 0.31	\$ (0.02)	-4.76%
Sub-Total C - Delivery (including Sub-Total B)			\$ 14.59			\$ 14.30	\$ (0.29)	-2.00%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	155	\$ 0.56	\$ 0.0036	155	\$ 0.56	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	155	\$ 0.20	\$ 0.0013	155	\$ 0.20	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	150	\$ 1.05	\$ 0.0070	150	\$ 1.05	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	155	\$ 0.17	\$ 0.0011	155	\$ 0.17	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	98	\$ 8.48	\$ 0.0870	98	\$ 8.48	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	26	\$ 3.37	\$ 0.1320	26	\$ 3.37	\$ -	0.00%
TOU - On Peak	\$ 0.1800	27	\$ 4.86	\$ 0.1800	27	\$ 4.86	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 33.53			\$ 33.24	\$ (0.29)	-0.87%
HST	13%		\$ 4.36	13%		\$ 4.32	\$ (0.04)	-0.87%
Total Bill on TOU			\$ 37.89			\$ 37.56	\$ (0.33)	-0.87%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption	50 kWh
Demand	0 kW
Current Loss Factor	1.0362
Proposed/Approved Loss Factor	1.0362

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 0.33	1	\$ 0.33	\$ 0.34	1	\$ 0.34	\$ 0.01	-3.03%
Distribution Volumetric Rate	\$ 9.3754	0.14	\$ 1.31	\$ 9.5442	0.14	\$ 1.34	\$ 0.02	1.80%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	-\$ 0.5652	0.14	\$ (0.08)	\$ -	0.14	\$ -	\$ 0.08	-100.00%
Sub-Total A (excluding pass through)			\$ 1.56			\$ 1.68	\$ 0.11	7.21%
Line Losses on Cost of Power	\$ 0.1130	2	\$ 0.20	\$ 0.1130	2	\$ 0.20	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 1.8215	0	\$ 0.26	-\$ 1.0602	0	\$ (0.15)	\$ (0.40)	-158.20%
GA Rate Riders			\$ 0.0024		50	\$ 0.12	\$ 0.12	-
Low Voltage Service Charge	\$ 0.0570	0	\$ 0.01	\$ 0.0570	0	\$ 0.01	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 2.03			\$ 1.86	\$ (0.17)	-8.40%
RTSR - Network	\$ 2.0924	0	\$ 0.29	\$ 1.9903	0	\$ 0.28	\$ (0.01)	-4.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.6210	0	\$ 0.09	\$ 0.6049	0	\$ 0.08	\$ (0.00)	-2.59%
Sub-Total C - Delivery (including Sub-Total B)			\$ 2.41			\$ 2.22	\$ (0.19)	-7.77%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	52	\$ 0.19	\$ 0.0036	52	\$ 0.19	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	52	\$ 0.07	\$ 0.0013	52	\$ 0.07	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	50	\$ 0.35	\$ 0.0070	50	\$ 0.35	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	52	\$ 0.06	\$ 0.0011	52	\$ 0.06	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	50	\$ 5.65	\$ 0.1130	50	\$ 5.65	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 8.97			\$ 8.78	\$ (0.19)	-2.09%
HST	13%		\$ 1.17	13%		\$ 1.14	\$ (0.02)	-2.09%
Total Bill on Average IESO Wholesale Market Price			\$ 10.14			\$ 9.93	\$ (0.21)	-2.09%

Customer Class:	EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption:	2,615,000 kWh
Demand:	6,000 kW
Current Loss Factor:	1.0362
Proposed/Approved Loss Factor:	1.0362

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0200	6000	\$ 120.00	\$ 0.0204	6000	\$ 122.40	\$ 2.40	2.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	6000	\$ -	\$ -	6000	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 120.00			\$ 122.40	\$ 2.40	2.00%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 1.8985	6,000	\$ 11,391.00	\$ 1.3214	6,000	\$ (7,928.40)	\$ (19,319.40)	-169.60%
GA Rate Riders				\$ 0.0024	2,615,000	\$ 6,276.00	\$ 6,276.00	
Low Voltage Service Charge	\$ -	6,000	\$ -	\$ -	6,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 11,511.00			\$ (1,530.00)	\$ (13,041.00)	-113.29%
RTSR - Network	\$ -	6,000	\$ -	\$ -	6,000	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	6,000	\$ -	\$ -	6,000	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 11,511.00			\$ (1,530.00)	\$ (13,041.00)	-113.29%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,709,663	\$ 9,754.79	\$ 0.0036	2,709,663	\$ 9,754.79	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,709,663	\$ 3,522.56	\$ 0.0013	2,709,663	\$ 3,522.56	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	
Debt Retirement Charge (DRC)	\$ 0.0070	2,615,000	\$ 18,305.00	\$ 0.0070	2,615,000	\$ 18,305.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	2,709,663	\$ 2,980.63	\$ 0.0011	2,709,663	\$ 2,980.63	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	2,709,663	\$ 306,191.92	\$ 0.1130	2,709,663	\$ 306,191.92	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 352,266.15			\$ 339,225.15	\$ (13,041.00)	-3.70%
HST	13%		\$ 45,794.60	13%		\$ 44,099.27	\$ (1,695.33)	-3.70%
Total Bill on Average IESO Wholesale Market Price			\$ 398,060.75			\$ 383,324.42	\$ (14,736.33)	-3.70%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
Consumption	750 kWh
Demand	- kW
Current Loss Factor	1.0362
Proposed/Approved Loss Factor	1.0362

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.71	1	\$ 19.71	\$ 23.67	1	\$ 23.67	\$ 3.96	20.09%
Distribution Volumetric Rate	\$ 0.0154	750	\$ 11.55	\$ 0.0105	750	\$ 7.88	\$ (3.68)	-31.82%
Fixed Rate Riders	\$ 0.58	1	\$ 0.58	\$ 0.58	1	\$ 0.58	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0014	750	\$ (1.05)	\$ -	750	\$ -	\$ 1.05	-100.00%
Sub-Total A (excluding pass through)			\$ 30.79			\$ 32.13	\$ 1.34	4.34%
Line Losses on Cost of Power	\$ 0.1130	27	\$ 3.07	\$ 0.1130	27	\$ 3.07	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0047	750	\$ 3.53	-\$ 0.0030	750	\$ (2.25)	\$ (5.78)	-163.83%
GA Rate Riders				\$ 0.0024	750	\$ 1.80	\$ 1.80	
Low Voltage Service Charge	\$ 0.0002	750	\$ 0.15	\$ 0.0002	750	\$ 0.15	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 38.32			\$ 35.68	\$ (2.64)	-6.89%
RTSR - Network	\$ 0.0074	777	\$ 5.75	\$ 0.0070	777	\$ 5.44	\$ (0.31)	-5.41%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0023	777	\$ 1.79	\$ 0.0022	777	\$ 1.71	\$ (0.08)	-4.35%
Sub-Total C - Delivery (includes Sub-Total B)			\$ 45.86			\$ 42.83	\$ (3.03)	-6.60%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	777	\$ 2.80	\$ 0.0036	777	\$ 2.80	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	777	\$ 1.01	\$ 0.0013	777	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	777	\$ 0.85	\$ 0.0011	777	\$ 0.85	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	750	\$ 84.75	\$ 0.1130	750	\$ 84.75	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 135.27			\$ 132.25	\$ (3.03)	-2.24%
HST	13%		\$ 17.59	13%		\$ 17.19	\$ (0.39)	-2.24%
Total Bill on Non-RPP Avg. Price			\$ 152.86			\$ 149.44	\$ (3.42)	-2.24%

Customer Class:	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0362	
Proposed/Approved Loss Factor	1.0362	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 31.96	1	\$ 31.96	\$ 32.54	1	\$ 32.54	\$ 0.58	1.81%
Distribution Volumetric Rate	\$ 0.0159	2000	\$ 31.80	\$ 0.0162	2000	\$ 32.40	\$ 0.60	1.89%
Fixed Rate Riders	\$ 1.38	1	\$ 1.38	\$ 1.38	1	\$ 1.38	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0007	2000	\$ (1.40)	\$ -	2000	\$ -	\$ 1.40	-100.00%
Sub-Total A (excluding pass through)			\$ 63.74			\$ 66.32	\$ 2.58	4.05%
Line Losses on Cost of Power	\$ 0.1130	72	\$ 8.18	\$ 0.1130	72	\$ 8.18	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0048	2,000	\$ 9.60	-\$ 0.0030	2,000	\$ (6.00)	\$ (15.60)	-162.50%
GA Rate Riders				\$ 0.0024	2,000	\$ 4.80	\$ 4.80	
Low Voltage Service Charge	\$ 0.0002	2,000	\$ 0.40	\$ 0.0002	2,000	\$ 0.40	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 82.71			\$ 74.49	\$ (8.22)	-9.94%
RTSR - Network	\$ 0.0067	2,072	\$ 13.89	\$ 0.0064	2,072	\$ 13.26	\$ (0.62)	-4.48%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0021	2,072	\$ 4.35	\$ 0.0020	2,072	\$ 4.14	\$ (0.21)	-4.76%
Sub-Total C - Delivery (including Sub-Total B)			\$ 100.95			\$ 91.90	\$ (9.05)	-8.96%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,072	\$ 7.46	\$ 0.0036	2,072	\$ 7.46	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,072	\$ 2.69	\$ 0.0013	2,072	\$ 2.69	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	2,072	\$ 2.28	\$ 0.0011	2,072	\$ 2.28	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	2,000	\$ 226.00	\$ 0.1130	2,000	\$ 226.00	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 353.38			\$ 344.33	\$ (9.05)	-2.56%
HST	13%		\$ 45.94	13%		\$ 44.76	\$ (1.18)	-2.56%
Total Bill on Non-RPP Avg. Price			\$ 399.32			\$ 389.10	\$ (10.23)	-2.56%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption:	287	kWh	
Demand:	-	kW	
Current Loss Factor:	1.0362		
Proposed/Approved Loss Factor:	1.0362		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.71	1	\$ 19.71	\$ 23.67	1	\$ 23.67	\$ 3.96	20.09%
Distribution Volumetric Rate	\$ 0.0154	287	\$ 4.42	\$ 0.0105	287	\$ 3.01	\$ (1.41)	-31.82%
Fixed Rate Riders	\$ 0.58	1	\$ 0.58	\$ 0.58	1	\$ 0.58	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0014	287	\$ (0.40)	\$ -	287	\$ -	\$ 0.40	-100.00%
Sub-Total A (excluding pass through)			\$ 24.31			\$ 27.26	\$ 2.96	12.16%
Line Losses on Cost of Power	\$ 0.1114	10	\$ 1.16	\$ 0.1114	10	\$ 1.16	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	287	\$ 0.46	-\$ 0.0030	287	\$ (0.86)	\$ (1.32)	-287.50%
GA Rate Riders			\$ -		287	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.0002	287	\$ 0.06	\$ 0.0002	287	\$ 0.06	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 26.77			\$ 28.41	\$ 1.64	6.11%
RTSR - Network	\$ 0.0074	297	\$ 2.20	\$ 0.0070	297	\$ 2.08	\$ (0.12)	-5.41%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0023	297	\$ 0.68	\$ 0.0022	297	\$ 0.65	\$ (0.03)	-4.35%
Sub-Total C - Delivery (including Sub-Total B)			\$ 29.66			\$ 31.14	\$ 1.49	5.01%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	297	\$ 1.07	\$ 0.0036	297	\$ 1.07	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	297	\$ 0.39	\$ 0.0013	297	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	297	\$ 0.33	\$ 0.0011	297	\$ 0.33	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	187	\$ 16.23	\$ 0.0870	187	\$ 16.23	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	49	\$ 6.44	\$ 0.1320	49	\$ 6.44	\$ -	0.00%
TOU - On Peak	\$ 0.1800	52	\$ 9.30	\$ 0.1800	52	\$ 9.30	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 63.66			\$ 65.15	\$ 1.49	2.34%
HST	13%		\$ 8.28	13%		\$ 8.47	\$ 0.19	2.34%
Total Bill on TOU			\$ 71.94			\$ 73.62	\$ 1.68	2.34%

Attachment B

Additional Rate Rider Calculation – Capacity Based Recovery

Additional Rate Rider Calculation - Capacity Based Recovery, Class B

CBR - Class B Rate Rider	From Model (Sheet 7)	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	% of Total kWh	Allocation based on Total %	Rate Rider Amount
RESIDENTIAL SERVICE CLASSIFICATION	kWh	404,728,026	1,734,974	30.33%	113,385	0.0003
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	196,078,596		14.69%	54,932	0.0003
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	689,858,595		51.70%	193,265	0.1114
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,649,180		0.20%	742	0.0003
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,608,120		0.57%	2,131	0.1005
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	33,543,395		2.51%	9,397	0.1246
	Total	1,334,465,912	2,001,734	100%	373,852	

Total CBR Class B Claim

373,852

Threshold Test (Total claim per kWh) ²

\$0.0003

Attachment C

Current January 1, 2016 Tariff Sheet



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

DECISION AND RATE ORDER

EB-2015-0108

WATERLOO NORTH HYDRO INC.

**Application for electricity distribution rates and other charges
beginning January 1, 2016**

BEFORE: Christine Long
Presiding Member

November 26, 2015

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1 INTRODUCTION AND SUMMARY

Waterloo North Hydro Inc. (Waterloo North Hydro) is the electricity distributor that serves approximately 55,000 customers in the City of Waterloo and the Townships of Woolwich and Wellesley. Waterloo North Hydro filed an application with the Ontario Energy Board (OEB) to change the rates it charges to its customers for electricity distribution, to be effective January 1, 2016 (the application). Under the OEB Act, distributors must apply to the OEB to change the rates that they charge customers.

In early October, Waterloo North Hydro filed a settlement proposal which represents a full settlement on all issues.

Following the filing of the settlement proposal, the OEB issued Procedural Order No. 2 which requested submissions from the parties on the settlement proposal's use of the word "privilege" instead of "confidentiality". The Procedural Order observed that the *Practice Direction on Settlement Conferences* refers to confidentiality, and sought submissions on the appropriateness of using "privilege" instead.

In early November, the OEB issued a Decision and Procedural Order No. 3 noting that it was prepared to accept the settlement proposal filed in October except for one issue related to use of the word privilege instead of confidentiality. The issue is outlined in the next section.

In mid-November, Waterloo North Hydro filed an updated settlement proposal in accordance with the OEB's Decision and Procedural Order No. 3 revising wording relating to privilege and confidentiality. In addition, Waterloo North Hydro filed an updated settlement which incorporated the cost of capital parameters for rate applications effective January 1, 2016, issued on October 15, 2015. The OEB accepts the revised settlement proposal.

2 THE PROCESS

The OEB's Decision and Procedural Order No. 3 noted that the wording used in a settlement proposal filed by another distributor (i.e. Kingston Hydro) was clearer with respect to wording regarding privilege and confidentiality, though still not ideal. That settlement proposal was clear in indicating that settlement discussions are confidential, and cannot be disclosed except under three circumstances: a) any persons or entities that the Parties engage to assist them with the settlement conference, b) any persons or entities from whom they seek instructions with respect to the negotiations, and c) any persons or entities to whom they are expected to report the results of the negotiations, and/or the reasons for the positions they have taken; in each case provided that any such persons or entities have agreed to be bound by the same confidentiality provisions.

The OEB, in its Decision and Procedural Order No. 3, indicated that it could accept the first two exceptions with the proposed blanket proviso that any such persons or entities have agreed to be bound by the same confidentiality provisions. However, the OEB was not satisfied that the third exception (c) – persons to whom parties are expected to report the results of the negotiations and the reasons for positions taken – is appropriate. The OEB found this exception to be overly broad.

The OEB encouraged the parties in the Waterloo North Hydro case to consider whether they can agree to wording similar to that used in the Kingston Hydro proposal, subject to the OEB's comments on the exemptions above. The OEB had no other concerns with the filed settlement proposal.

In mid-November, Waterloo North Hydro filed a revised settlement proposal agreed to by parties which removed the reference to part (c) pursuant to the OEB's Decision and Procedural Order No. 3.

In reaching its findings, the OEB was aided by the participation of four parties, known as intervenors, who each represented different groups of customers affected by the Application; Energy Probe Research Foundation (Energy Probe), the Vulnerable Energy Consumers Coalition (VECC), the School Energy Coalition (SEC), and E2 Energy Inc. (E2E).

3 DECISION ON THE ISSUES

This Decision and Rate Order determines Waterloo North Hydro's rates for 2016.

3.1 Revised Settlement Proposal

The parties in the proceeding met on September 3 and 4, 2015 to determine whether they could agree on the revenue requirement and the rates for Waterloo North Hydro for 2016. The parties to the settlement proposal were able to settle all issues.

In mid-November, Waterloo North Hydro filed a revised settlement proposal agreed to by parties pursuant to the OEB's Decision and Procedural Order No. 3.

Findings

In its Decision and Procedural Order No. 3, the OEB accepted the cost consequences of the settlement agreement and OEB staff's analysis in support of its submission that the settlement proposal reflects the public interest. The OEB has now also reviewed the information provided in support of the draft Rate Order and proposed Tariff of Rates and Charges, and is satisfied that the Tariff of Rates and Charges filed by Waterloo North Hydro accurately reflects the settlement proposal.

4 IMPLEMENTATION

New rates are to be effective January 1, 2016.

On November 19, 2015, the OEB issued a decision approving three regulatory charges. These regulatory charges are established annually by the OEB through a separate order. These charges are paid for by electricity consumers.

The charges include; the Rural or Remote Electricity Rate Protection (RRRP), Wholesale market service (WMS) and the Ontario Electricity Support Program (OESP) charges.

The RRRP program is designed to provide financial assistance to eligible customers located in rural or remote areas where the costs of providing electricity service to these customers greatly exceeds the costs of providing electricity to customers located elsewhere in the province of Ontario. The RRRP program cost is recovered from all other electricity customers in the province through a charge that is reviewed annually and approved by the OEB.

WMS charges recover the cost of the services provided by the Independent Electricity System Operator (IESO) to operate the electricity system and administer the wholesale market. These charges may include costs associated with: operating reserve, system congestion and imports, and losses on the IESO-controlled grid. Individual electricity distributors recover the WMS charges from their customers through the WMS rate.

The OESP is a new rate assistance program for low-income electricity customers. Starting January 1, 2016, eligible low-income customers will receive a monthly credit on their bills. At the same time, all electricity customers in the province will begin paying a charge to fund the program, which will be referred to as the OESP charge.

The Tariff of Rates and Charges flowing from this Decision and Rate Order reflects these new charges, as well as the OESP credits to be provided to enrolled low income customers.

5 ORDER

THE ONTARIO ENERGY BOARD ORDERS THAT:

1. The Tariff of Rates and Charges set out in Schedule A of this Order will become final effective January 1, 2016, and will apply to electricity consumed or estimated to have been consumed on and after January 1, 2016. Waterloo North Hydro Inc. shall notify its customers of the rate changes no later than the delivery of the first bill reflecting the new rates.
2. Waterloo North Hydro Inc. shall establish the deferral accounts set out in Schedule B, effective January 1, 2016.
3. Energy Probe, SEC, VECC and E2E shall submit their cost claims no later than 7 days from the date of issuance of this Decision and Rate Order.
4. Waterloo North Hydro Inc. shall file with the OEB and forward to Energy Probe, SEC, VECC and E2E any objections to the claimed costs within 17 days from the date of issuance of this Decision and Rate Order.
5. Energy Probe, SEC, VECC and E2E shall file with the OEB and forward to Waterloo North Hydro Inc. any responses to any objections for cost claims within 24 days from the date of issuance of this Decision and Rate Order.
6. Waterloo North Hydro Inc. shall pay the OEB's costs incidental to this proceeding upon receipt of the OEB's invoice.

All filings to the Board must quote the file number, EB-2015-0108, be made through the Board's web portal at <https://www.pes.ontarioenergyboard.ca/eservice/>, and consist of two paper copies and one electronic copy in searchable / unrestricted PDF format. Filings must clearly state the sender's name, postal address and telephone number, fax number and e-mail address. Parties must use the document naming conventions and document submission standards outlined in the RESS Document Guideline found at <http://www.ontarioenergyboard.ca/OEB/Industry>. If the web portal is not available parties may email their documents to the address below. Those who do not have internet access are required to submit all filings on a CD in PDF format, along with two paper copies. Those who do not have computer access are required to file 7 paper copies.

All communications should be directed to the attention of the Board Secretary at the address below, and be received no later than 4:45 p.m. on the required date.

With respect to distribution lists for all electronic correspondence and materials related to this proceeding, parties must include the Case Manager, Jane Scott at jane.scott@ontarioenergyboard.ca and Board Counsel, Ljuba Djurdjevic at ljuba.djurdjevic@ontarioenergyboard.ca.

DATED at Toronto November 26, 2015

ONTARIO ENERGY BOARD

Original Signed By

Kirsten Walli
Board Secretary

SCHEDULE A
DECISION AND RATE ORDER
WATERLOO NORTH HYDRO INC.
EB-2015-0108
TARIFF OF RATES AND CHARGES
NOVEMBER 26, 2015

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

**This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors**

EB-2015-0108

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	19.71
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2018	\$	0.58
Distribution Volumetric Rate	\$/kWh	0.0154
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016		
Applicable only for Non RPP Customers	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016		
Applicable only for Non RPP Customers	\$/kWh	0.0031
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kWh	(0.0014)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kWh	0.0016
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016	\$/kWh	(0.0016)
Rate Rider for Recovery of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kWh	0.0002
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kWh	(0.0001)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0074
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0023

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

**This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors**

EB-2015-0108

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

In this class:

- "Aboriginal person" includes a person who is a First Nations person, a Métis person or an Inuit person;
- "account-holder" means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;
- "electricity-intensive medical device" means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;
- "household" means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives;
- "household income" means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;
- (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;

but does not include account-holders in Class E.

OESP Credit \$ (30.00)

Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;

but does not include account-holders in Class F.

OESP Credit \$ (34.00)

Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;

but does not include account-holders in Class G.

OESP Credit \$ (38.00)

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

**This schedule supersedes and replaces all previously
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EB-2015-0108

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

Class D

- (a) account-holders with a household income of \$28,000 or less living in a household of five persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
(c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:
i. the dwelling to which the account relates is heated primarily by electricity;
ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

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EB-2015-0108

GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	31.96
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2018	\$	1.38
Distribution Volumetric Rate	\$/kWh	0.0159
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016		
Applicable only to Non RPP Customers	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016		
Applicable only for Non RPP Customers	\$/kWh	0.0031
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kWh	(0.0014)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kWh	0.0017
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016	\$/kWh	(0.0016)
Rate Rider for Recovery of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kWh	0.0009
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kWh	(0.00005)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0021

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Issued November 26, 2015

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

**This schedule supersedes and replaces all previously
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EB-2015-0108

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service. Note that for the application of the Retail Transmission Rate – Network Service Rate and the Retail Transmission Rate – Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered; General Service 50 to 999 kW interval metered; and General Service 1,000 to 4,999 kW interval metered.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	119.38
Distribution Volumetric Rate	\$/kW	5.0649
Low Voltage Service Rate	\$/kW	0.0738
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016		
Applicable only for Non RPP Customers	\$/kW	0.2675
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016		
Applicable only for Non RPP Customers	\$/kW	1.2659
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016		
Applicable only for Non Wholesale Market Participants	\$/kW	(0.6502)
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016		
Applicable only for Wholesale Market Participants	\$/kW	(0.1945)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016		
Applicable only for Non Wholesale Market Participants	\$/kW	0.7720
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016		
Applicable only for Wholesale Market Participants	\$/kW	0.1181
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016		
Applicable only for Non Wholesale Market Participants	\$/kW	(0.6390)
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016		
Applicable only for Wholesale Market Participants	\$/kW	(0.8496)
Rate Rider for Recovery of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kW	0.2552
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kW	(0.0099)

Issued November 26, 2015

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2016

**This schedule supersedes and replaces all previously
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EB-2015-0108

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION

MONTHLY RATES AND CHARGES – Delivery Component (continued)

Retail Transmission Rate – Network Service Rate – (less than 1,000 kW)	\$/kW	2.7741
Retail Transmission Rate – Network Service Rate – Interval Metered (less than 1,000 kW)	\$/kW	2.9465
Retail Transmission Rate – Network Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	2.9427
Retail Transmission Rate – Line and Transformation Connection Service Rate – (less than 1,000 kW)	\$/kW	0.8036
Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (less than 1,000 kW)	\$/kW	1.0037
Retail Transmission Rate – Line and Trans. Connection Service Rate – Interval Metered (1,000 to 4,999 kW)	\$/kW	1.0026

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

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EB-2015-0108

LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	6,975.72
Distribution Volumetric Rate	\$/kW	4.0196
Low Voltage Service Rate	\$/kW	0.0925
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kW	(0.7541)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	1.0507
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016	\$/kW	(0.8606)
Rate Rider for Recovery of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kW	0.2023
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kW	(0.0072)
Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	3.2624
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	1.0072

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

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EB-2015-0108

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	10.61
Distribution Volumetric Rate	\$/kWh	0.0132
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016 Applicable only for Non RPP Customers	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016 Applicable only for Non RPP Customers	\$/kWh	0.0031
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kWh	(0.0015)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kWh	0.0016
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016	\$/kWh	(0.0016)
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kWh	(0.0002)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0021

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Issued November 26, 2015

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

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EB-2015-0108

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	0.33
Distribution Volumetric Rate	\$/kW	9.3754
Low Voltage Service Rate	\$/kW	0.0570
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016 Applicable only for Non RPP Customers	\$/kW	0.2139
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016 Applicable only for Non RPP Customers	\$/kW	1.1196
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kW	(0.5199)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	0.7019
Rate Rider for Disposition of Account 1576 – effective until December 31, 2016	\$/kW	(0.5652)
Rate Rider for Application of Tax Change (2015) – effective until April 30, 2016	\$/kW	(0.0208)
Retail Transmission Rate – Network Service Rate	\$/kW	2.0924
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6210

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

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EB-2015-0108

microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.40
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Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

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EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Distribution Volumetric Rate	\$/kW	0.0200
Rate Rider for Disposition of Global Adjustment Account (2015) – effective until April 30, 2016		
Applicable only for Non RPP Customers	\$/kW	0.2396
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016		
Applicable only for Non RPP Customers	\$/kW	1.3679
Rate Rider for Disposition of Deferral/Variance Accounts (2015) – effective until April 30, 2016	\$/kW	(0.5823)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	0.5306

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

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EB-2015-0108

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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Customer Administration

Easement Letter	\$	15.00
Notification Charge	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned Cheque charge (plus bank charges)	\$	15.00
Duplicate Invoices for Previous Billing	\$	15.00
Income Tax Letter	\$	15.00
Account set up charge / change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00

Other

Specific Charge for Access to the Power Poles – per pole/year	\$	22.35
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Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

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EB-2015-0108

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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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 monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0362
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0147
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0259
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0047

SCHEDULE B
DECISION AND RATE ORDER
WATERLOO NORTH HYDRO INC.
EB-2015-0108
ACCOUNTING ORDERS
NOVEMBER 26, 2015

Accounting Order – Wireless and Wireline

Waterloo North Hydro Inc. (Waterloo North Hydro) shall establish the following variance account effective January 1, 2016:

- 1508 Other Regulatory Asset – Sub-account Wireless and Wireline Variance Account

Waterloo North Hydro shall establish a new variance account 1508 Other Regulatory Asset – Sub-account Wireless and Wireline Variance Account, to record two items: 1) the net (less any related costs) incremental revenues received from any wireless attachments during the IRM period; and 2) any changes in revenue received due to any change in the currently regulated wireline attachment rate of \$22.35 per attachment per pole per year. For clarity, this is a symmetrical account that reflects changes to the rate rather than change in number of wireline attachments.

- 1) The net (less any related costs) incremental revenues received from any wireless attachments during the IRM period. These incremental revenues will be recorded as follows:

Accounting Entry:

Debit - Account 4210, Rent from Electric Property

Credit - Account 1508, Other Regulatory Asset – Sub-account Wireless and Wireline Variance Account

- 2) Any changes in revenue received due to any change in the currently regulated wireline attachment rate of \$22.35 per attachment per pole per year;

Accounting Entry:

Debit/Credit - Account 4210, Rent from Electric Property

Credit/Debit - Account 1508, Other Regulatory Asset – Sub-account Wireless and Wireline Variance Account

- 3) The account is symmetrical that reflects changes to the rate rather than change in number of wireline attachments;
- 4) The balance in the variance account is to be disposed of at Waterloo North Hydro's next Cost of Service Filing; and
- 5) Carrying charges, at the Ontario Energy Board's Prescribed Interest Rate for Deferral and Variance Accounts, would be applied until final disposition.

Accounting Order – MS Disposition

Waterloo North Hydro Inc. (Waterloo North Hydro) shall establish the following variance account effective January 1, 2016:

- 1508 Other Regulatory Asset – Sub-account MS Disposition

Waterloo North Hydro shall establish a new deferral/variance account 1508 Other Regulatory Asset – Sub-account MS Disposition, to capture net gains and losses on disposition of various Municipal Station properties inclusive of remediation costs and taxes. Upon disposition, the balance of this account will be distributed with 75% to ratepayers and 25% to Waterloo North Hydro. For clarity, this account is not symmetrical in ratepayers will not owe a credit to Waterloo North Hydro if this account is in a net loss scenario at the time of disposition. The balance in the variance account is to be disposed of at Waterloo North Hydro's next Cost of Service Filing.

- 1) The net gains and losses on disposition of various Municipal Station properties inclusive of remediation costs;

Accounting Entry:

Debit/Credit - Account 4355/4360, Gain/Loss on Disposition of Utility and Other Property

Debit/Credit - Account 1508, Other Regulatory Asset –Sub-account MS Disposition

- 2) Upon disposition, the balance of this account will be distributed with 75% to ratepayers and 25% to Waterloo North Hydro;
- 3) The account is not symmetrical in that ratepayers will not owe a credit to Waterloo North Hydro if this account is in a net loss scenario at the time of disposition;
- 4) The balance in the variance account is to be disposed of at Waterloo North Hydro's next Cost of Service Filing; and
- 5) Carrying charges, at the Ontario Energy Board's Prescribed Interest Rate for Deferral and Variance Accounts, would be applied until final disposition.

Accounting Order – OPEB Forecast Cash versus Forecast Accrual Differential Deferral Account

Waterloo North Hydro Inc. (Waterloo North Hydro) shall establish the following deferral account effective January 1, 2016.

- Account 1508 Other Regulatory Assets, Subaccount – OPEB Forecast Cash versus Forecast Accrual Differential Deferral Account

Waterloo North Hydro shall establish the OPEB Forecast Cash versus Forecast Accrual Differential Deferral Account for the purpose of recording the difference in revenue requirement each year between both the capitalized and OM&A components of OPEBs accounted for using a forecasted cash basis (as to be reflected in rates if this settlement is accepted by the Ontario Energy Board) and the capitalized and OM&A components of OPEBs accounted for using a forecasted accrual basis.

If the Board determines that LDCs must only include in rates OPEBs accounted for using a forecasted cash basis, Waterloo North Hydro will seek to discontinue this account without seeking disposition of the amounts recorded in this account. If the Board determines that LDCs may recover OPEBs in rates using a forecasted accrual accounting methodology, Waterloo North Hydro will seek disposition of this account to recover the amounts so recorded in its next cost of service rate application.

Waterloo North Hydro will propose a disposition period over which the account should be recovered depending on the quantum in the account and the potential rate impacts at the time.

Carrying charges, at the Ontario Energy Board's Prescribed Interest Rate for Deferral and Variance Accounts, would be applied until final disposition.

Sample Journal Entry

Assumptions:

OPEB costs (accrual basis) = \$ 600,000

OPEB costs (cash basis) = \$ 200,000

OPEB costs split between operating and capital on a 70/30 ratio.

Assume capital items depreciated over 40 years and half year rule applies in year of acquisition.

Assume OPEB costs incurred evenly throughout the fiscal period.

The sample accounting entries for the Deferral Account is provided below:

The sample accounting entries for the Deferral Account is provided below:

- A: To record the excess of OPEBs accounted for using a forecasted accrual basis over OPEBs accounted for using a forecasted cash basis.

DR	1508	Other Regulatory Assets, Subaccount – OPEB Forecast Cash versus Forecast Accrual Differential Deferral Account \$ 400,000
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CR	Capital costs (various accounts)	\$ 120,000
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CR	OM&A expenses (various accounts)	\$ 280,000
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- B: To reverse depreciation recorded on capital portion of OPEB costs:

DR	Accumulated Depreciation	\$ 1,500
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CR	Depreciation	\$ 1,500
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Attachment D

Rate Impacts By Rate Class

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption:	750	kWh	
Demand:	-	kW	
Current Loss Factor:	1.0362		
Proposed/Approved Loss Factor:	1.0362		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.71	1	\$ 19.71	\$ 23.67	1	\$ 23.67	\$ 3.96	20.09%
Distribution Volumetric Rate	\$ 0.0154	750	\$ 11.55	\$ 0.0105	750	\$ 7.88	\$ (3.68)	-31.82%
Fixed Rate Riders	\$ 0.58	1	\$ 0.58	\$ 0.58	1	\$ 0.58	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0014	750	\$ (1.05)	\$ -	750	\$ -	\$ 1.05	-100.00%
Sub-Total A (excluding pass through)			\$ 30.79			\$ 32.13	\$ 1.34	4.34%
Line Losses on Cost of Power	\$ 0.1114	27	\$ 3.02	\$ 0.1114	27	\$ 3.02	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	750	\$ 1.20	-\$ 0.0030	750	\$ (2.25)	\$ (3.45)	-287.50%
GA Rate Riders			\$ -		750	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.0002	750	\$ 0.15	\$ 0.0002	750	\$ 0.15	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 35.95			\$ 33.84	\$ (2.12)	-5.88%
RTSR - Network	\$ 0.0074	777	\$ 5.75	\$ 0.0070	777	\$ 5.44	\$ (0.31)	-5.41%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0023	777	\$ 1.79	\$ 0.0022	777	\$ 1.71	\$ (0.08)	-4.35%
Sub-Total C - Delivery (including Sub-Total B)			\$ 43.49			\$ 40.99	\$ (2.50)	-5.76%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	777	\$ 2.80	\$ 0.0036	777	\$ 2.80	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	777	\$ 1.01	\$ 0.0013	777	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	777	\$ 0.85	\$ 0.0011	777	\$ 0.85	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	488	\$ 42.41	\$ 0.0870	488	\$ 42.41	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	128	\$ 16.83	\$ 0.1320	128	\$ 16.83	\$ -	0.00%
TOU - On Peak	\$ 0.1800	135	\$ 24.30	\$ 0.1800	135	\$ 24.30	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 131.95			\$ 129.44	\$ (2.50)	-1.90%
HST	13%		\$ 17.15	13%		\$ 16.83	\$ (0.33)	-1.90%
Total Bill on TOU			\$ 149.10			\$ 146.27	\$ (2.83)	-1.90%

Customer Class:	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption:	2,000	kWh	
Demand:	-	kW	
Current Loss Factor:	1.0362		
Proposed/Approved Loss Factor:	1.0362		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 31.96	1	\$ 31.96	\$ 32.54	1	\$ 32.54	\$ 0.58	1.81%
Distribution Volumetric Rate	\$ 0.0159	2000	\$ 31.80	\$ 0.0162	2000	\$ 32.40	\$ 0.60	1.89%
Fixed Rate Riders	\$ 1.38	1	\$ 1.38	\$ 1.38	1	\$ 1.38	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0007	2000	\$ (1.40)	\$ -	2000	\$ -	\$ 1.40	-100.00%
Sub-Total A (excluding pass through)			\$ 63.74			\$ 66.32	\$ 2.58	4.05%
Line Losses on Cost of Power	\$ 0.1114	72	\$ 8.06	\$ 0.1114	72	\$ 8.06	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0017	2,000	\$ 3.40	-\$ 0.0030	2,000	\$ (6.00)	\$ (9.40)	-276.47%
GA Rate Riders			\$ -		2,000	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.0002	2,000	\$ 0.40	\$ 0.0002	2,000	\$ 0.40	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 76.39			\$ 69.57	\$ (6.82)	-8.93%
RTSR - Network	\$ 0.0067	2,072	\$ 13.89	\$ 0.0064	2,072	\$ 13.26	\$ (0.62)	-4.48%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0021	2,072	\$ 4.35	\$ 0.0020	2,072	\$ 4.14	\$ (0.21)	-4.76%
Sub-Total C - Delivery (including Sub-Total B)			\$ 94.63			\$ 86.98	\$ (7.65)	-8.08%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,072	\$ 7.46	\$ 0.0036	2,072	\$ 7.46	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,072	\$ 2.69	\$ 0.0013	2,072	\$ 2.69	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	2,072	\$ 2.28	\$ 0.0011	2,072	\$ 2.28	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	1,300	\$ 113.10	\$ 0.0870	1,300	\$ 113.10	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	340	\$ 44.88	\$ 0.1320	340	\$ 44.88	\$ -	0.00%
TOU - On Peak	\$ 0.1800	360	\$ 64.80	\$ 0.1800	360	\$ 64.80	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 344.10			\$ 336.45	\$ (7.65)	-2.22%
HST	13%		\$ 44.73	13%		\$ 43.74	\$ (0.99)	-2.22%
Total Bill on TOU			\$ 388.83			\$ 380.19	\$ (8.64)	-2.22%

Customer Class:	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption:	100,000 kWh
Demand:	250 kW
Current Loss Factor:	1.0362
Proposed/Approved Loss Factor:	1.0362

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 119.38	1	\$ 119.38	\$ 121.53	1	\$ 121.53	\$ 2.15	1.80%
Distribution Volumetric Rate	\$ 5.0649	250	\$ 1,266.23	\$ 5.1561	250	\$ 1,289.03	\$ 22.80	1.80%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	-\$ 0.3838	250	\$ (95.95)	\$ -	250	\$ -	\$ 95.95	-100.00%
Sub-Total A (excluding pass through)			\$ 1,289.66			\$ 1,410.56	\$ 120.90	9.37%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 2.0379	250	\$ 509.48	-\$ 1.1761	250	\$ (294.03)	\$ (803.50)	-157.71%
GA Rate Riders				\$ 0.0024	100,000	\$ 240.00	\$ 240.00	
Low Voltage Service Charge	\$ 0.0738	250	\$ 18.45	\$ 0.0738	250	\$ 18.45	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 1,817.58			\$ 1,374.98	\$ (442.60)	-24.35%
RTSR - Network	\$ 2.7741	250	\$ 693.53	\$ 2.6388	250	\$ 659.70	\$ (33.83)	-4.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.8036	250	\$ 200.90	\$ 0.7828	250	\$ 195.70	\$ (5.20)	-2.59%
Sub-Total C - Delivery (including Sub-Total B)			\$ 2,712.01			\$ 2,230.38	\$ (481.63)	-17.76%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	103,620	\$ 373.03	\$ 0.0036	103,620	\$ 373.03	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	103,620	\$ 134.71	\$ 0.0013	103,620	\$ 134.71	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	
Debt Retirement Charge (DRC)	\$ 0.0070	100,000	\$ 700.00	\$ 0.0070	100,000	\$ 700.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	103,620	\$ 113.98	\$ 0.0011	103,620	\$ 113.98	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	103,620	\$ 11,709.06	\$ 0.1130	103,620	\$ 11,709.06	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 15,743.04			\$ 15,261.41	\$ (481.63)	-3.06%
HST	13%		\$ 2,046.59	13%		\$ 1,983.98	\$ (62.61)	-3.06%
Total Bill on Average IESO Wholesale Market Price			\$ 17,789.63			\$ 17,245.39	\$ (544.24)	-3.06%

Customer Class:	LARGE USE SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption:	8,000,000 kWh
Demand:	14,500 kW
Current Loss Factor:	1.0047
Proposed/Approved Loss Factor:	1.0047

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.975.72	1	\$ 6,975.72	\$ 7,101.28	1	\$ 7,101.28	\$ 125.56	1.80%
Distribution Volumetric Rate	\$ 4.0196	14500	\$ 58,284.20	\$ 4.0920	14500	\$ 59,334.00	\$ 1,049.80	1.80%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	-\$ 0.6583	14500	\$ (9,545.35)	\$ -	14500	\$ -	\$ 9,545.35	-100.00%
Sub-Total A (excluding pass through)			\$ 55,714.57			\$ 66,435.28	\$ 10,720.71	19.24%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 1.0507	14,500	\$ 15,235.15	-\$ 1.7948	14,500	\$ (26,024.60)	\$ (41,259.75)	-270.82%
GA Rate Riders				\$ -	8,000,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0925	14,500	\$ 1,341.25	\$ 0.0925	14,500	\$ 1,341.25	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 72,290.97			\$ 41,751.93	\$ (30,539.04)	-42.24%
RTSR - Network	\$ 3.2624	14,500	\$ 47,304.80	\$ 3.1032	14,500	\$ 44,996.40	\$ (2,308.40)	-4.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.0072	14,500	\$ 14,604.40	\$ 0.9811	14,500	\$ 14,225.95	\$ (378.45)	-2.59%
Sub-Total C - Delivery (including Sub-Total B)			\$ 134,200.17			\$ 100,974.28	\$ (33,225.89)	-24.76%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	8,037,600	\$ 28,935.36	\$ 0.0036	8,037,600	\$ 28,935.36	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	8,037,600	\$ 10,448.88	\$ 0.0013	8,037,600	\$ 10,448.88	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	
Debt Retirement Charge (DRC)	\$ 0.0070	8,000,000	\$ 56,000.00	\$ 0.0070	8,000,000	\$ 56,000.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	8,037,600	\$ 8,841.36	\$ 0.0011	8,037,600	\$ 8,841.36	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	8,037,600	\$ 908,248.80	\$ 0.1130	8,037,600	\$ 908,248.80	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 1,146,674.82			\$ 1,113,448.93	\$ (33,225.89)	-2.90%
HST		13%	\$ 149,067.73		13%	\$ 144,748.36	\$ (4,319.37)	-2.90%
Total Bill on Average IESO Wholesale Market Price			\$ 1,295,742.55			\$ 1,258,197.29	\$ (37,545.26)	-2.90%

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption:	150	kWh	
Demand:	-	kW	
Current Loss Factor:	1.0362		
Proposed/Approved Loss Factor:	1.0362		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 10.61	1	\$ 10.61	\$ 10.80	1	\$ 10.80	\$ 0.19	1.79%
Distribution Volumetric Rate	\$ 0.0132	150	\$ 1.98	\$ 0.0134	150	\$ 2.01	\$ 0.03	1.52%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	-\$ 0.0016	150	\$ (0.24)	\$ -	150	\$ -	\$ 0.24	-100.00%
Sub-Total A (excluding pass through)			\$ 12.35			\$ 12.81	\$ 0.46	3.72%
Line Losses on Cost of Power	\$ 0.1114	5	\$ 0.60	\$ 0.1114	5	\$ 0.60	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	150	\$ 0.24	-\$ 0.0030	150	\$ (0.45)	\$ (0.69)	-287.50%
GA Rate Riders			\$ -		150	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0002	150	\$ 0.03	\$ 0.0002	150	\$ 0.03	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 13.22			\$ 12.99	\$ (0.23)	-1.74%
RTSR - Network	\$ 0.0067	155	\$ 1.04	\$ 0.0064	155	\$ 0.99	\$ (0.05)	-4.48%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0021	155	\$ 0.33	\$ 0.0020	155	\$ 0.31	\$ (0.02)	-4.76%
Sub-Total C - Delivery (including Sub-Total B)			\$ 14.59			\$ 14.30	\$ (0.29)	-2.00%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	155	\$ 0.56	\$ 0.0036	155	\$ 0.56	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	155	\$ 0.20	\$ 0.0013	155	\$ 0.20	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	150	\$ 1.05	\$ 0.0070	150	\$ 1.05	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	155	\$ 0.17	\$ 0.0011	155	\$ 0.17	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	98	\$ 8.48	\$ 0.0870	98	\$ 8.48	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	26	\$ 3.37	\$ 0.1320	26	\$ 3.37	\$ -	0.00%
TOU - On Peak	\$ 0.1800	27	\$ 4.86	\$ 0.1800	27	\$ 4.86	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 33.53			\$ 33.24	\$ (0.29)	-0.87%
HST	13%		\$ 4.36	13%		\$ 4.32	\$ (0.04)	-0.87%
Total Bill on TOU			\$ 37.89			\$ 37.56	\$ (0.33)	-0.87%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption	50 kWh
Demand	0 kW
Current Loss Factor	1.0362
Proposed/Approved Loss Factor	1.0362

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 0.33	1	\$ 0.33	\$ 0.34	1	\$ 0.34	\$ 0.01	-3.03%
Distribution Volumetric Rate	\$ 9.3754	0.14	\$ 1.31	\$ 9.5442	0.14	\$ 1.34	\$ 0.02	1.80%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	-\$ 0.5652	0.14	\$ (0.08)	\$ -	0.14	\$ -	\$ 0.08	-100.00%
Sub-Total A (excluding pass through)			\$ 1.56			\$ 1.68	\$ 0.11	7.21%
Line Losses on Cost of Power	\$ 0.1130	2	\$ 0.20	\$ 0.1130	2	\$ 0.20	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 1.8215	0	\$ 0.26	-\$ 1.0602	0	\$ (0.15)	\$ (0.40)	-158.20%
GA Rate Riders			\$ 0.0024		50	\$ 0.12	\$ 0.12	-
Low Voltage Service Charge	\$ 0.0570	0	\$ 0.01	\$ 0.0570	0	\$ 0.01	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 2.03			\$ 1.86	\$ (0.17)	-8.40%
RTSR - Network	\$ 2.0924	0	\$ 0.29	\$ 1.9903	0	\$ 0.28	\$ (0.01)	-4.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.6210	0	\$ 0.09	\$ 0.6049	0	\$ 0.08	\$ (0.00)	-2.59%
Sub-Total C - Delivery (including Sub-Total B)			\$ 2.41			\$ 2.22	\$ (0.19)	-7.77%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	52	\$ 0.19	\$ 0.0036	52	\$ 0.19	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	52	\$ 0.07	\$ 0.0013	52	\$ 0.07	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	50	\$ 0.35	\$ 0.0070	50	\$ 0.35	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	52	\$ 0.06	\$ 0.0011	52	\$ 0.06	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	50	\$ 5.65	\$ 0.1130	50	\$ 5.65	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 8.97			\$ 8.78	\$ (0.19)	-2.09%
HST	13%		\$ 1.17	13%		\$ 1.14	\$ (0.02)	-2.09%
Total Bill on Average IESO Wholesale Market Price			\$ 10.14			\$ 9.93	\$ (0.21)	-2.09%

Customer Class:	EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption:	2,615,000 kWh
Demand:	6,000 kW
Current Loss Factor:	1.0362
Proposed/Approved Loss Factor:	1.0362

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0200	6000	\$ 120.00	\$ 0.0204	6000	\$ 122.40	\$ 2.40	2.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	6000	\$ -	\$ -	6000	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 120.00			\$ 122.40	\$ 2.40	2.00%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 1.8985	6,000	\$ 11,391.00	\$ 1.3214	6,000	\$ (7,928.40)	\$ (19,319.40)	-169.60%
GA Rate Riders				\$ 0.0024	2,615,000	\$ 6,276.00	\$ 6,276.00	
Low Voltage Service Charge	\$ -	6,000	\$ -	\$ -	6,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 11,511.00			\$ (1,530.00)	\$ (13,041.00)	-113.29%
RTSR - Network	\$ -	6,000	\$ -	\$ -	6,000	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	6,000	\$ -	\$ -	6,000	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 11,511.00			\$ (1,530.00)	\$ (13,041.00)	-113.29%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,709,663	\$ 9,754.79	\$ 0.0036	2,709,663	\$ 9,754.79	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,709,663	\$ 3,522.56	\$ 0.0013	2,709,663	\$ 3,522.56	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	
Debt Retirement Charge (DRC)	\$ 0.0070	2,615,000	\$ 18,305.00	\$ 0.0070	2,615,000	\$ 18,305.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	2,709,663	\$ 2,980.63	\$ 0.0011	2,709,663	\$ 2,980.63	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	2,709,663	\$ 306,191.92	\$ 0.1130	2,709,663	\$ 306,191.92	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 352,266.15			\$ 339,225.15	\$ (13,041.00)	-3.70%
HST	13%		\$ 45,794.60	13%		\$ 44,099.27	\$ (1,695.33)	-3.70%
Total Bill on Average IESO Wholesale Market Price			\$ 398,060.75			\$ 383,324.42	\$ (14,736.33)	-3.70%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
Consumption	750 kWh
Demand	- kW
Current Loss Factor	1.0362
Proposed/Approved Loss Factor	1.0362

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.71	1	\$ 19.71	\$ 23.67	1	\$ 23.67	\$ 3.96	20.09%
Distribution Volumetric Rate	\$ 0.0154	750	\$ 11.55	\$ 0.0105	750	\$ 7.88	\$ (3.68)	-31.82%
Fixed Rate Riders	\$ 0.58	1	\$ 0.58	\$ 0.58	1	\$ 0.58	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0014	750	\$ (1.05)	\$ -	750	\$ -	\$ 1.05	-100.00%
Sub-Total A (excluding pass through)			\$ 30.79			\$ 32.13	\$ 1.34	4.34%
Line Losses on Cost of Power	\$ 0.1130	27	\$ 3.07	\$ 0.1130	27	\$ 3.07	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0047	750	\$ 3.53	-\$ 0.0030	750	\$ (2.25)	\$ (5.78)	-163.83%
GA Rate Riders				\$ 0.0024	750	\$ 1.80	\$ 1.80	
Low Voltage Service Charge	\$ 0.0002	750	\$ 0.15	\$ 0.0002	750	\$ 0.15	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 38.32			\$ 35.68	\$ (2.64)	-6.89%
RTSR - Network	\$ 0.0074	777	\$ 5.75	\$ 0.0070	777	\$ 5.44	\$ (0.31)	-5.41%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0023	777	\$ 1.79	\$ 0.0022	777	\$ 1.71	\$ (0.08)	-4.35%
Sub-Total C - Delivery (includes Sub-Total B)			\$ 45.86			\$ 42.83	\$ (3.03)	-6.60%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	777	\$ 2.80	\$ 0.0036	777	\$ 2.80	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	777	\$ 1.01	\$ 0.0013	777	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	777	\$ 0.85	\$ 0.0011	777	\$ 0.85	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	750	\$ 84.75	\$ 0.1130	750	\$ 84.75	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 135.27			\$ 132.25	\$ (3.03)	-2.24%
HST	13%		\$ 17.59	13%		\$ 17.19	\$ (0.39)	-2.24%
Total Bill on Non-RPP Avg. Price			\$ 152.86			\$ 149.44	\$ (3.42)	-2.24%

Customer Class:	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
Consumption	2,000 kWh
Demand	- kW
Current Loss Factor	1.0362
Proposed/Approved Loss Factor	1.0362

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 31.96	1	\$ 31.96	\$ 32.54	1	\$ 32.54	\$ 0.58	1.81%
Distribution Volumetric Rate	\$ 0.0159	2000	\$ 31.80	\$ 0.0162	2000	\$ 32.40	\$ 0.60	1.89%
Fixed Rate Riders	\$ 1.38	1	\$ 1.38	\$ 1.38	1	\$ 1.38	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0007	2000	\$ (1.40)	\$ -	2000	\$ -	\$ 1.40	-100.00%
Sub-Total A (excluding pass through)			\$ 63.74			\$ 66.32	\$ 2.58	4.05%
Line Losses on Cost of Power	\$ 0.1130	72	\$ 8.18	\$ 0.1130	72	\$ 8.18	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0048	2,000	\$ 9.60	-\$ 0.0030	2,000	\$ (6.00)	\$ (15.60)	-162.50%
GA Rate Riders				\$ 0.0024	2,000	\$ 4.80	\$ 4.80	
Low Voltage Service Charge	\$ 0.0002	2,000	\$ 0.40	\$ 0.0002	2,000	\$ 0.40	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 82.71			\$ 74.49	\$ (8.22)	-9.94%
RTSR - Network	\$ 0.0067	2,072	\$ 13.89	\$ 0.0064	2,072	\$ 13.26	\$ (0.62)	-4.48%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0021	2,072	\$ 4.35	\$ 0.0020	2,072	\$ 4.14	\$ (0.21)	-4.76%
Sub-Total C - Delivery (including Sub-Total B)			\$ 100.95			\$ 91.90	\$ (9.05)	-8.96%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,072	\$ 7.46	\$ 0.0036	2,072	\$ 7.46	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,072	\$ 2.69	\$ 0.0013	2,072	\$ 2.69	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	2,072	\$ 2.28	\$ 0.0011	2,072	\$ 2.28	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	2,000	\$ 226.00	\$ 0.1130	2,000	\$ 226.00	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 353.38			\$ 344.33	\$ (9.05)	-2.56%
HST	13%		\$ 45.94	13%		\$ 44.76	\$ (1.18)	-2.56%
Total Bill on Non-RPP Avg. Price			\$ 399.32			\$ 389.10	\$ (10.23)	-2.56%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption:	287	kWh	
Demand:	-	kW	
Current Loss Factor:	1.0362		
Proposed/Approved Loss Factor:	1.0362		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.71	1	\$ 19.71	\$ 23.67	1	\$ 23.67	\$ 3.96	20.09%
Distribution Volumetric Rate	\$ 0.0154	287	\$ 4.42	\$ 0.0105	287	\$ 3.01	\$ (1.41)	-31.82%
Fixed Rate Riders	\$ 0.58	1	\$ 0.58	\$ 0.58	1	\$ 0.58	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0014	287	\$ (0.40)	\$ -	287	\$ -	\$ 0.40	-100.00%
Sub-Total A (excluding pass through)			\$ 24.31			\$ 27.26	\$ 2.96	12.16%
Line Losses on Cost of Power	\$ 0.1114	10	\$ 1.16	\$ 0.1114	10	\$ 1.16	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	287	\$ 0.46	-\$ 0.0030	287	\$ (0.86)	\$ (1.32)	-287.50%
GA Rate Riders			\$ -		287	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0002	287	\$ 0.06	\$ 0.0002	287	\$ 0.06	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 26.77			\$ 28.41	\$ 1.64	6.11%
RTSR - Network	\$ 0.0074	297	\$ 2.20	\$ 0.0070	297	\$ 2.08	\$ (0.12)	-5.41%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0023	297	\$ 0.68	\$ 0.0022	297	\$ 0.65	\$ (0.03)	-4.35%
Sub-Total C - Delivery (including Sub-Total B)			\$ 29.66			\$ 31.14	\$ 1.49	5.01%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	297	\$ 1.07	\$ 0.0036	297	\$ 1.07	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	297	\$ 0.39	\$ 0.0013	297	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	297	\$ 0.33	\$ 0.0011	297	\$ 0.33	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	187	\$ 16.23	\$ 0.0870	187	\$ 16.23	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	49	\$ 6.44	\$ 0.1320	49	\$ 6.44	\$ -	0.00%
TOU - On Peak	\$ 0.1800	52	\$ 9.30	\$ 0.1800	52	\$ 9.30	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 63.66			\$ 65.15	\$ 1.49	2.34%
HST	13%		\$ 8.28	13%		\$ 8.47	\$ 0.19	2.34%
Total Bill on TOU			\$ 71.94			\$ 73.62	\$ 1.68	2.34%

Attachment E

2016 Cost of Service Settlement Agreement

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November 13, 2015

Delivered by RESS, Email and Courier

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
2300 Yonge Street
Suite 2701
Toronto, ON M4P 1E4

Dear Ms. Walli:

**Re: Board File No. EB-2015-0108
Waterloo North Hydro (“WNH”)
Updated Settlement Proposal (incl. updates for Cost of Capital)**

Please find attached WNH’s amended Settlement Proposal. The version that was previously filed with the Ontario Energy Board on October 1, 2015 has been amended with respect to the appropriate use of the terms “privilege” and “confidentiality, as described in the Board Decision and Procedural Order No. 3 issued on November 6, 2015, as well as being updated with the Cost of Capital Parameter Updates for 2016 Applications which was issued by the Board on October 15, 2015.

All amended sections have been side barred for ease of reference.

Instructions for updating copies of previously filed evidence in this matter are provided as Attachment A to this letter.

In support of this updated Settlement Proposal, WNH has also filed several excel files which are listed in Attachment B to this letter.

Yours very truly,

BORDEN LADNER GERVAIS LLP

Per:

Original signed by James K. Little

James K. Little
Encl.

cc: Chris Amos, Waterloo North Hydro
Parties in EB-2015-0108

Waterloo North Hydro Inc. Board File No. EB-2015-0108

Attachment A

Settlement Proposal Update Instructions

Settlement Proposal	Cover	Date	Update	Page	1
Settlement Proposal	Table of Contents,	Update Page References	Update	Page	2
Settlement Proposal	Live Excel Models,	Update File Names	Update	Page	2
Settlement Proposal	Settlement Proposal,	Filed with the Ontario Energy Board: Dates	Update	Page	3
Settlement Proposal	Settlement Proposal,	Update Parameters Reference	Update	Page	3
Settlement Proposal	Settlement Proposal,	Update Board Rules References	Update	Page	3
Settlement Proposal	Settlement Proposal,	Replace 'Guidelines' with 'Practice Direction'	Update	Page	4
Settlement Proposal	Settlement Proposal,	Update Confidentiality References	Update	Page	4
Settlement Proposal	Settlement Proposal,	Replace 'Guidelines' with 'Practice Direction'	Update	Page	5
Settlement Proposal	Issue 2.1,	Update Parameters Reference and Table 5 Reference	Update	Page	14
Settlement Proposal	Issue 2.1,	Table 5 - Long-Term Debt Rate Calculation Added	Update	Page	15
Settlement Proposal	Issue 2.1,	Table 5 Reference (Originally Filed), Updated to Table 6	Update	Page	15
Settlement Proposal	Issue 2.1,	Table 5 Header (Originally Filed), Updated to Table 6	Update	Page	16
Settlement Proposal	Issue 2.1,	Update PILs Model File Name	Update	Page	16
Settlement Proposal	Issue 2.1,	Update Bill Impacts Model File Name	Update	Page	16
Settlement Proposal	Issue 2.1,	Table 6 Reference (Originally Filed), Updated to Table 7	Update	Page	16
Settlement Proposal	Issue 2.1,	Table 6 Header (Originally Filed), Updated to Table 7	Update	Page	17
Settlement Proposal	Issue 2.1,	Table 7 - Revenue Requirement - Updated	Update	Page	17
Settlement Proposal	Issue 2.2,	Update RRWF Model File Name	Update	Page	18
Settlement Proposal	Issue 3.1,	Table 7 Reference (Originally Filed), Updated to Table 8 - twice	Update	Page	19
Settlement Proposal	Issue 3.1,	Table 7 Header (Originally Filed), Updated to Table 8	Update	Page	19
Settlement Proposal	Issue 3.1,	Table 8 Reference (Originally Filed), Updated to Table 9	Update	Page	19
Settlement Proposal	Issue 3.1,	Table 8 Header (Originally Filed), Updated to Table 9	Update	Page	20
Settlement Proposal	Issue 3.2,	Table 9 Reference (Originally Filed), Updated to Table 10	Update	Page	23
Settlement Proposal	Issue 3.2,	Table 9 Header (Originally Filed), Updated to Table 10	Update	Page	23
Settlement Proposal	Issue 3.2,	Table 10 - Revenue to Cost Ratios - Updated	Update	Page	23
Settlement Proposal	Issue 3.2,	Update Cost Allocation Model File Name	Update	Page	23
Settlement Proposal	Issue 3.3,	Updated Appendix 2-PA Calculations	Update	Page	25
Settlement Proposal	Issue 3.3,	Table 11 Reference (Originally Filed), Updated to Table 12	Update	Page	25
Settlement Proposal	Issue 3.3,	Update Unmetered Scattered Load Charges	Update	Page	25
Settlement Proposal	Issue 3.3,	Table 10 Reference (Originally Filed), Updated to Table 11	Update	Page	25
Settlement Proposal	Issue 3.3,	Table 10 Header (Originally Filed), Updated to Table 11	Update	Page	26
Settlement Proposal	Issue 3.3,	Table 11 - Distribution Charges - Updated	Update	Page	26
Settlement Proposal	Issue 3.3,	Table 11 Header (Originally Filed), Updated to Table 12	Update	Page	26
Settlement Proposal	Issue 3.3,	Table 12 - OEB Appendix 2-PA Residential Service Charge Transition - Updated	Update	Page	26
Settlement Proposal	Issue 3.3,	Table 12 Reference (Originally Filed), Updated to Table 13	Update	Page	27
Settlement Proposal	Issue 3.3,	Table 12 Header (Originally Filed), Updated to Table 13	Update	Page	27
Settlement Proposal	Issue 3.3,	Table 13 - Revenue Reconciliation - Updated	Update	Page	27
Settlement Proposal	Issue 3.4,	Table 13 Reference (Originally Filed), Updated to Table 14	Update	Page	28
Settlement Proposal	Issue 3.4,	Table 13 Header (Originally Filed), Updated to Table 14	Update	Page	28
Settlement Proposal	Issue 3.4,	Table 14 Reference (Originally Filed), Updated to Table 15	Update	Page	28
Settlement Proposal	Issue 3.4,	Table 14 Header (Originally Filed), Updated to Table 15	Update	Page	28
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Settlement Proposal	Issue 4.2,	Table 15 Header (Originally Filed), Updated to Table 16	Update	Page	32
Settlement Proposal	Issue 4.2,	Table 16 Header (Originally Filed), Updated to Table 17	Update	Page	33
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Settlement Proposal	Appendix A	Updated Proposed Tariff Schedule of Rates - Descriptions, Rates, Remove OCEB	Update	Pages	39 - 49
Settlement Proposal	Appendix D	Updated Bill Impacts Schedule	Update	Page	52
Settlement Proposal	Appendix E	Updated OEB Appendix 2-EC, Account 1576	Update	Page	53

Waterloo North Hydro Inc. Board File No. EB-2015-0108

Attachment B

Filed Supporting Documentation

Waterloo_2016_COS_2015_EDDVAR_Continuity Schedule_Settlement_Update CoC_20151023
Waterloo_2016_COS_Cost_Allocation_Model_Settlement_Update CoC_20151023
Waterloo_2016_Test_Year_Income_Tax_PILs_Workform_Settlement_Update CoC_20151023
Waterloo_2016_Bill Impacts_Appendix 2-W_Settlement_Update CoC_20151023
Waterloo_2016_Load Forecast Model_Settlement_20151001
Waterloo_2016_Revised_Rev_Reqt_Work_Form_V6_Settlement_Update CoC_20151023
Waterloo_2016_Proposed Tariff Schedule_Appendix 2-Z_Settlement_Update CoC_20151106

EB-2015-0108

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

AND IN THE MATTER OF an application by Waterloo
Hydro Inc. for an order approving just and reasonable rates
and other charges for electricity distribution to be effective
January 1, 2016.

WATERLOO NORTH HYDRO INC.

SETTLEMENT PROPOSAL

Originally filed: October 1, 2015

Amended (to reflect updated Cost of Capital parameters): November 13, 2015

Waterloo North Hydro Inc.

EB-2015-0108

Settlement Proposal

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LIVE EXCEL MODELS

In addition to the Appendices listed above, the following live excel models have been filed together with and form an integral part of this Settlement Proposal:

Waterloo_2016_COS_2015_EDDVAR_Continuity Schedule_Settlement_Update CoC_20151023
Waterloo_2016_COS_Cost_Allocation_Model_Settlement_Update CoC_20151023
Waterloo_2016_Test_Year_Income_Tax_PILs_Workform_Settlement_Update CoC_20151023
Waterloo_2016_Bill Impacts_Appendix 2-W_Settlement_Update CoC_20151023
Waterloo_2016_Load Forecast Model_Settlement_20151001
Waterloo_2016_Revised_Rev_Reqt_Work_Form_V6_Settlement_Update CoC_20151023
Waterloo_2016_Proposed Tariff Schedule_Appendix 2-Z_Settlement_Update CoC_20151106

Waterloo North Hydro Inc.

EB-2015-0108

Settlement Proposal

Original Filed with OEB: October 1, 2015

Amended: November 13, 2015 (to reflect updated cost of capital parameters)

Waterloo North Hydro Inc. (the “Applicant” or “WNH”) filed an application with the Ontario Energy Board (the “Board”) on May 1, 2015, as updated on May 12, 2015 under section 78 of the Ontario Energy Board Act, 1998, S.O. 1998, c. 15, (Schedule B) (the “Act”), seeking approval for changes to the rates that WNH charges for electricity distribution, to be effective January 1, 2016 (Board Docket Number EB-2015-0108) (the “Application”).

The Board issued and WNH published a Notice of Application and Hearing dated June 5, 2015 and Procedural Order No. 1 on June 22, 2015, the latter of which required the parties to the proceeding to develop a draft issues list.

WNH filed its interrogatory responses with the Board on July 31, 2015 and August 7, 2015, pursuant to which WNH updated several models and submitted them to the Board as Excel documents. To clarify matters arising from interrogatories, a technical conference was held on August 19, 2015. On August 24, 2015, following the interrogatories and technical conference, OEB staff submitted a proposed issues list as agreed to by the parties. On August 31, 2015 the Board issued its decision on the proposed issues list, approving the list submitted by OEB staff, and made provision for a settlement conference.

The Settlement Proposal was filed with the Board in connection with the Application on October 1, 2015. The Settlement Proposal is being updated with the Cost of Capital Parameter Updates issued by the Board on October 15, 2015 for Applications with rates effective in 2016 and the results are reflected in this updated Settlement Proposal.

Further to the Board’s Procedural Order No. 1 and its Issues List Decision, a settlement conference was convened on September 3, 2015 and continued to September 4, 2015 in accordance with the Board’s *Rules of Practice and Procedure* (the “Rules”) and the Board’s *Practice Direction on Settlement Conferences* (the “Practice Direction”). Jim Faught acted as facilitator for the settlement conference which lasted for two days.

WNH and the following intervenors (the “Intervenors”), participated in the settlement conference:

University of Waterloo via E2 Energy Inc. (“UofW”);
Energy Probe Research Foundation (“EP”);
School Energy Coalition (“SEC”); and
Vulnerable Energy Consumers Coalition (“VECC”).

WNH and the Intervenor are collectively referred to below as the “Parties”.

Ontario Energy Board staff (“OEB staff”) also participated in the settlement conference. The role adopted by OEB staff is set out in page 5 of the Practice Direction. Although OEB staff is not a party to this Settlement Proposal, as noted in the Practice Direction, OEB staff who did participate in the settlement conference are bound by the same confidentiality requirements that apply to the Parties to the proceeding.

This document is called a “Settlement Proposal” because it is a proposal by the Parties to the Board to settle the issues in this proceeding. It is termed a proposal as between the Parties and the Board. However, as between the Parties, and subject only to the Board’s approval of this Settlement Proposal, this document is intended to be a legal agreement, creating mutual obligations, and binding and enforceable in accordance with its terms. As set forth later in this Preamble, this agreement is subject to a condition subsequent, that if it is not accepted by the Board in its entirety, then unless amended by the Parties it is null and void and of no further effect. In entering into this agreement, the Parties understand and agree that, pursuant to the Act, the Board has exclusive jurisdiction with respect to the interpretation and enforcement of the terms hereof.

The Parties acknowledge that this settlement proceeding is confidential in accordance with the Practice Direction. The Parties understand that confidentiality in that context does not have the same meaning as confidentiality in the Board’s Practice Direction on Confidential Filings, and the rules of that latter document do not apply. Instead, in this settlement conference, and in this Agreement, the Parties have interpreted “confidential” to mean that the documents and other information provided during the course of the settlement proceeding, the discussion of each issue, the offers and counter-offers, and the negotiations leading to the settlement – or not – of each issue during the settlement conference are strictly privileged and without prejudice. None of the foregoing is admissible as evidence in this proceeding, or otherwise, with one exception, the need to resolve a subsequent dispute over the interpretation of any provision of this Settlement Proposal. Further, the Parties shall not disclose those documents or other information to persons who were not attendees at the settlement conference. However, the Parties agree that “attendees” is deemed to include, in this context, persons who were not physically in attendance at the settlement conference but were a) any persons or entities that the Parties engage to assist them with the settlement conference, and b) any persons or entities from whom they seek instructions with respect to the negotiations; in each case provided that any such persons or entities have agreed to be bound by the same confidentiality provisions.

This Settlement Proposal provides a brief description of each of the settled and partially settled issues, as applicable, together with references to the evidence. The Parties agree that references to the “evidence” in this Settlement Proposal shall, unless the context otherwise requires, include (a) additional information included by the Parties in this Settlement Proposal, and (b) the Appendices to this document. The supporting Parties for each settled and partially settled issue, as applicable, agree that the evidence in respect of that settled or partially settled issue, as applicable, is sufficient in the context of the overall settlement to support the proposed settlement, and the sum of the evidence in this proceeding provides an appropriate evidentiary record to support acceptance by the Board of this Settlement Proposal.

There are Appendices to this Settlement Proposal which provide further support for the proposed settlement. The Parties acknowledge that the Appendices were prepared by WNH. While the Intervenor has reviewed the Appendices, the Intervenor is relying on the accuracy of the underlying evidence in entering into this Settlement Proposal.

Outlined below are the final positions of the Parties following the settlement conference. For ease of reference, this Settlement Proposal follows the format of the final approved issues list for the Application attached to Procedural Order No. 2.

The Parties are pleased to advise the Board that they have reached a complete agreement with respect to the settlement of all of the issues in this proceeding. Specifically:

“Complete Settlement” means an issue for which complete settlement was reached by all Parties, and if this Settlement Proposal is accepted by the Board, the Parties will not adduce any evidence or argument during the oral hearing in respect of these issues.	# issues settled: All
“Partial Settlement” means an issue for which there is partial settlement, as WNH and the Intervenor who take any position on the issue were able to agree on some, but not all, aspects of the particular issue. If this Settlement Proposal is accepted by the Board, the Parties who take any position on the issue will only adduce evidence and argument during the hearing on those portions of the issues not addressed in this Settlement Proposal.	# issues partially settled: None
“No Settlement” means an issue for which no settlement was reached. WNH and the Intervenor who take a position on the issue will adduce evidence and/or argument at the hearing on the issue.	# issues not settled: None

If applicable, a Party who is noted as taking no position on an issue may or may not have participated in the discussion on that particular issue, but in either case such Party takes no position a) on the settlement reached, and b) on the sufficiency of the evidence filed to date.

According to the Practice Direction (p. 3), the Parties must consider whether a Settlement Proposal should include an appropriate adjustment mechanism for any settled issue that may be affected by external factors. These adjustments are specifically set out in the text of the Settlement Proposal.

The Parties have settled the issues as a package, and none of the parts of this Settlement Proposal are severable. If the Board does not accept this Settlement Proposal in its entirety, then there is no settlement (unless the Parties agree in writing that any part(s) of this Settlement Proposal that the Board does accept may continue as a valid settlement without inclusion of any part(s) that the Board does not accept).

In the event that the Board directs the Parties to make reasonable efforts to revise the Settlement Proposal, the Parties agree to use reasonable efforts to discuss any potential revisions, but no Party will be obligated to accept any proposed revision. The Parties agree that all of the Parties who took on a position on a particular issue must agree with any revised Settlement Proposal as it relates to that issue prior to its resubmission to the Board.

Unless stated otherwise, the settlement of any particular issue in this proceeding and the positions of the Parties in this Settlement Proposal are without prejudice to the rights of Parties to raise the same issue and/or to take any position thereon in any other proceeding, whether or not WNH is a party to such proceeding.

SUMMARY

In reaching this complete settlement, the Parties have been guided by the Filing Requirements for 2015 rates, the approved issues list attached as Schedule A to the Board's decision of August 31, 2015, and the Report of the Board titled *Renewed Regulatory Framework for Electricity Distributors: A Performance-Based Approach* dated October 18, 2012 ("RRFE").

This Settlement Proposal reflects a complete settlement of the issues in this proceeding.

The Parties believe that, since there are no areas of disagreement among the Parties, no oral hearing is required if this Settlement Proposal is accepted.

Based on the foregoing, and the evidence and rationale provided below, the parties agree that this Settlement Proposal is appropriate and recommend its acceptance by the Board. Please refer to Appendix A for the schedule of draft tariffs resulting if this settlement is accepted by the Board. This Settlement Proposal reflects the Parties agreement on an effective date for new rates of January 1, 2016.

1. Planning

1.1 Capital

Is the level of planned capital expenditures appropriate and is the rationale for planning and pacing choices appropriate and adequately explained, giving due consideration to:

- *customer feedback and preferences;*
- *productivity;*
- *benchmarking of costs;*
- *reliability and service quality;*
- *impact on distribution rates;*
- *trade-offs with OM&A spending;*
- *government-mandated obligations; and*
- *the objectives of the Applicant and its customers*

Complete Settlement: For the purposes of the settlement of all of the issues in this proceeding, WNH agrees to adjust its 2015 rate base and test year capital plan to reflect the following changes:

- WNH agrees to remove MS3 from the 2016 opening rate base which amounts to a reduction of the Net Book Value of \$2,112 (Cost \$22,648, Accumulated Depreciation \$20,536 = \$2,112 Net Book Value) to reflect the fact that MS3 was taken out of service before January 1, 2016 as described in 1-EP-5 and JTC1.1.;
- WNH agrees to remove MS1 from 2016 closing rate base which amounts to a reduction of the Net Book Value of \$26,562 (Cost \$50,783, Accumulated Depreciation \$24,221 = \$26,562 Net Book Value) to reflect the fact that MS1 is forecast to be taken out of service by December 31, 2016 as described in 1-EP-5 and JTC1.1.;
- Recognizing the Board intends to address the method for accounting of OPEBs in rates as part of a generic policy process, WNH agrees to increase its test year capital expenditures by \$86,000 to account for the capitalization of the cash amount to reflect the recovery of OPEBs on a cash, rather than an accrual, basis,¹ subject to the approval of a new variance account as described further in the settlement of issue 4.2 below to record the difference in rates between these two methodologies pending the Board's final determination on the generic policy issue;
- A reduction of \$500,000 to in capital additions for the test year. This will allow for a steadier pacing of capital expenditures and an incentive for WNH to increase its productivity for its capital program. WNH proposes to achieve this reduction

¹ All of the Parties recognize that the Board intends to hold a generic policy discussion on this matter, and that nothing in this settlement is intended to limit the positions any of the Parties may take in that more general policy discussion.

in capital additions, in part, by deferring some of the projects originally planned for the test year in a manner largely consistent with the prioritization process described in the Distribution System Plan (Exhibit 2, Appendix 2-A).

With the above adjustments, and for the purposes of settlement of all the issues in this proceeding, the Parties accept that the level of planned capital expenditures and the rationale for planning and pacing choices are appropriate and adequately explained, giving due consideration to:

- The customer feedback and preferences as more fully detailed in Exhibit 1 at Section 2.4.3 pp 76-108, Attachment 1-6, Attachment 1-7 and Attachment 1-8;
- The past and planned productivity initiatives of WNH as more fully detailed in Exhibit 1 at Section 2.4.1 pp 11-19 and Section 2.4.1.1, and Section 2.4.1.2.
- WNH's benchmarking performance as more fully detailed in Exhibit 1 at Section 2.4.1, Section 2.4.3, Attachment 1-14 and in the Board's 2014 scorecard which was filed on September 2, 2015;
- WNH's past reliability and service quality performance as well as WNH's targets for performance in the test year as more fully detailed in Interrogatory 1-Staff-3;
- The total impact on distribution rates, as more fully detailed in Appendix D of this Settlement Proposal;
- The settlement on OM&A as described under issue 1.2 of this Settlement Proposal;
- WNH's performance meeting government mandated obligations as more fully detailed in Exhibit 1 at Section 2.4.1.2, Section 2.4.3 and Attachment 1-14; and
- WNH's targets and objectives as more fully detailed in Exhibit 1 at Section 2.4.1.2, Section 2.4.2 and Attachment 1-1, and Exhibit 2 at Attachment 2-1.

The Parties further agree that the Distribution System Plan filed in this proceeding, combined with the resources made available to WNH in the Test Year under the terms of this Settlement Proposal, provide a foundation to WNH in the Test Year to continue to: (a) pursue continuous improvement in productivity; (b) maintain system reliability and service quality objectives; and (c) maintain reliable and safe operation of its distribution system.

Appendix B of this Settlement Proposal provides updated Appendix 2-AB to reflect this settlement. Appendix C of this Settlement Proposal provides an updated 2016 Fixed Asset Continuity Schedule to reflect this settlement.

Capital Additions as a result of the Settlement are produced below in Table 1.

Table 1 – Gross Capital Additions Summary

Capital Additions	Application	IRR - Changes	Settlement Changes	Settlement Proposal
2015 Opening Balance	316,996,025	-	-	316,996,025
2015 Additions	21,308,611	1,530,366	-	22,838,977
2015 Contributed Capital	(4,914,818)	(1,374,120)	-	(6,288,938)
2015 Disposals	(642,135)	-	-	(642,135)
2015 Closing Balance / 2016 Opening Balance	332,747,683	156,246	-	332,903,929
2016 Adjust Opening Balance - MS Disposal	-	-	(22,648)	(22,648)
2016 Additions	19,078,917	4,141,804	(414,000)	22,806,721
2016 Contributed Capital	(2,289,738)	(4,082,571)	-	(6,372,309)
2016 Disposals	(316,071)	-	(50,783)	(366,854)
2016 Closing Balance	349,220,791	215,478	(487,431)	348,948,838

Evidence:

Application: Exhibit 1 - pages 15-17, 19-20, 21-53, 56, 58-67, 76-108, Attachments 1-7, 1-8, 1-14; Exhibit 2, including Tables 2-5, 2-10, 2-11, 2-17, 2-18, 2-31, 2-38, Attachments 2-1 (DSP), 2-2; Exhibit 4 Tables 4-44, 4-45, 4-51, 4-52, pages 80-99; Exhibit 9 pages 14-24

IRRs: 1-Staff-3, 11, 12, 13, 14, 17, 1-Energy Probe-2, 5, 1-SEC-3, 1.0-VECC-1, 2, 4, 6; 2-Staff-19, 21, 25, 26, 29, 30, 31, 36, 39, 40, 41, 42, 43, 45, 46, 48, 49, 50, 51, 54, 55, 56, 57, 58, 60, 64, 66, 68, 69, 70, 72, 73, 74, 75, 78, 79, 80, 81, 82, 83, 85, 87, 88, 89, 90, 91, 92, 2-Energy Probe- 14, 15, 17, 18, 1-E2-5, 2-SEC-7, 8, 9, 11, 13, 18, 20, 21, 22, 28, 29, 31, 35, 36, 2.0-VECC-10, 11, 15, 16

TC Transcript: August 19, 2015 TC Transcript at pages 6-7, 10-12, 15-22, 26-46, 48-54, 57-59, 63-67, 69-71, 73, 75-76, 83-84, 89-90

Undertaking Responses: JTC1.1, JTC1.2, JTC1.3, JTC1.5, JTC1.6, JTC1.8, JTC1.22

Appendices to this Settlement Proposal: Appendix A, Appendix B, Appendix C, Appendix D]

Supporting Parties: All

1.2 OM&A

Is the level of planned OM&A expenditures appropriate and is the rationale for planning choices appropriate and adequately explained, giving due consideration to:

- *customer feedback and preferences;*
- *productivity;*
- *benchmarking of costs;*
- *reliability and service quality;*
- *impact on distribution rates;*
- *trade-offs with capital spending;*
- *government-mandated obligations; and*
- *the objectives of the Applicant and its customers.*

Complete Settlement: For the purposes of the settlement of all of the issues in this proceeding, WNH agrees to reduce its proposed OM&A expenses in the test year by \$310,000.

Subject to the creation of a deferral and variance account described below in issue 4.2, the Parties agree to a reduction in OM&A of a further \$262,000 to reflect the adjustment to OPEBs from an accrual to cash basis. \$176,000 will be recorded in a deferral account as discussed in item 4.2 below and \$86,000 is to be recorded in capital in item 1.1 above. Table 2 below provides a reconciliation of OPEBs in OM&A.²

Table 2 – Reconciliation of OPEB Charges in OM&A

Reconciliation of Changes to OM&A for OPEB	
Amounts included in Application, OM&A	\$ 391,999
Annual Premiums Paid	\$ (215,973)
Cash vs Accrual Difference	\$ 176,026
Moved from OM&A to Deferral Account	\$ 176,000
Annual Premiums Paid	\$ 215,973
Allocate 40% to Capital from OM&A	\$ 86,389
Moved from OM&A to Capital	\$ 86,000

The Parties agree with WNH's overall objectives, and have agreed that the revised OM&A budget will allow WNH to achieve those objectives in the Test Year. Based on the foregoing and the evidence filed by WNH, the Parties agree that the level of planned OM&A expenditures and the rationale for planning and pacing choices are appropriate and adequately explained, giving due consideration to:

² All of the Parties recognize that the Board intends to hold a generic policy discussion on this matter, and that nothing in this settlement is intended to limit the positions any of the Parties may take in that more general policy discussion.

- The customer feedback and preferences as more fully detailed in Exhibit 1 at Section 2.4.3 pp 76-108, Attachment 1-6, Attachment 1-7 and Attachment 1-8;
- The past and planned productivity initiatives of WNH as more fully detailed in Exhibit 1 at Section 2.4.1 pp 11-19, and Section 2.4.1.1, and Section 2.4.1.2.
- WNH's benchmarking performance as more fully detailed in Exhibit 1 at Section 2.4.1, Section 2.4.3, Attachment 1-14 and the Board's 2014 scorecard which was filed on September 2, 2015;
- WNH's past reliability and service quality performance as well as WNH's targets for performance in the test year as more fully detailed in Interrogatory 1-Staff-3;
- The total impact on distribution rates, as more fully detailed in Appendix D of this Settlement Proposal;
- The changes in capital spending as described under issue 1.1 of this Settlement Proposal;
- WNH's performance meeting government mandated obligations as more fully detailed in Exhibit 1 at Section 2.4.1.2, Section 2.4.3 and Attachment 1-14; and
- WNH's targets and objectives as more fully detailed in Exhibit 1 at Section 2.4.1.2, Section 2.4.2 and Attachment 1-1, and Exhibit 2 at Attachment 2-1.

WHN has considered possible adjustments to its budget on a preliminary basis and has provided, in Settlement Table 2: a revised OM&A budget based on the proposed total amount. The breakdown of the budget into categories is not intended by the Parties to be in any way a deviation from the normal rule that, once the budget is established, it is up to management to determine through the year how best to spend that budget given the actual circumstances and priorities of the company throughout the test year.

Changes to OM&A are reproduced below as Table 3.

Table 3 – OM&A

OM&A	Application	IRR - Changes	Settlement Changes	Settlement Proposal
Operations	5,799,381		(110,000)	5,689,381
Maintenance	1,613,140			1,613,140
Billing & Collecting	2,902,731		(100,000)	2,802,731
Community Relations	142,200			142,200
Administrative & General	3,221,882	10,000	(362,000)	2,869,882
LEAP	42,000			42,000
Total OM&A	13,721,334	10,000	(572,000)	13,159,334

Finally, for the purposes of settlement of the issues in this proceeding, WNH agrees to, prior to its next rebasing application, undertake a review of executive compensation incentive plans with its board of directors to evaluate the potential for more objective measures, and to identify potential opportunities for even better alignment with the Board's RRFE outcomes and the metrics of the DSP.

Evidence:

Application: Exhibit 1 pages 15-18, 19, 21-53, 55-56, 67-69, 76-108, Attachments 1-7, 1-8, 1-14; Exhibit 2 Tables 2-2, 2-24, Attachment 2-1 DSP including Appendix C, D; Exhibit 4 including Tables 4-1, 4-6, 4-6A

IRRs: 1-Staff-6, 11, 14, 17, 1-Energy Probe-2, 8, 1-SEC-3, 1.0-VECC-2, 3; 2-Staff-21, 26, 46, 2-SEC-18, 30, 38; 4-Staff-113, 114, 115, 116, 118, 119, 120, 121, 122, 123, 124, 126, 130, 131, 4-Energy Probe-30, 31, 33, 34, 35, 36, 39, 4-SEC-39, 41, 42, 45, 46, 4.0-VECC-26, 27, 28, 30, 31, 32, 33, 34, 36, 37, 39

TC Transcript: August 19, 2015 TC Transcript at pages 9-14, 48-49, 73-75, 85-86, 98, -120, 122-127

Undertaking Responses: JTC1.4, JTC1.15, JTC1.16, JTC1.17, JTC1.18, JTC1.19, JTC1.22

Appendices to this Settlement Proposal: Appendix A, Appendix D

Supporting Parties: All

2. Revenue Requirement

2.1 Are all elements of the Base Revenue Requirement reasonable, and have they been appropriately determined in accordance with OEB policies and practices?

Complete Settlement: The Parties agree that all elements of the Base Revenue Requirement have been correctly determined in accordance with Board policies and practices. Specifically:

- a) *Rate Base:* Based on the adjustment to OPEBs described above in issue 1.1, WNH agrees to an increase of \$ 86,000 to its rate base calculation for the test year. WNH further agrees to adjust its rate base calculations to reflect the removal of MS1 and MS3 from service as described in issue 1.1 above. Finally, WNH further agrees to adjust its rate base calculations to reflect a reduction in test year capital additions of \$500,000 as described in issue 1.1 above. For clarity, a summary of the rate base calculation and adjustments has been provided below as Table 4. Subject to this adjustment, and any other adjustments contained herein, the Parties agree that the test year rate base is correct and based on Board policies and practices.

Table 4 – Rate Base Calculation

Rate Class / Details	Application (A)	Interrogatories (B)	Variance (C) = (B) - (A)	Settlement (D)	Variance (E) = (D) - (B)
Average Gross Fixed Assets	340,984,237	341,170,099	185,862	340,915,060	(255,040)
Average Accumulated Depreciation	146,617,358	146,624,329	6,972	146,552,361	(71,968)
Average Net Book Value	194,366,880	194,545,770	178,890	194,362,699	(183,071)
Working Capital	177,783,549	187,813,339	10,029,790	190,606,909	2,793,571
Working Capital Allowance (%)	13.0%	7.5%	-5.5%	7.5%	-
Working Capital Allowance (\$)	23,111,861	14,086,000	(9,025,861)	14,295,518	209,518
Rate Base	217,478,741	208,631,771	(8,846,971)	208,658,217	26,446

- b) *Working Capital:* The Parties agree that the working capital calculations, as updated by this Settlement Proposal, are reasonable and have been appropriately determined in accordance with OEB policies and practices.
- c) *Cost of Capital:* For the purposes of settlement of the issues in this proceeding, WNH agrees to adjust the debt rate applicable to the forecasted long-term debt of \$7,200,000 expected to be issued in June, 2016 to 3.43%, which is reflective of the best information available at the time of the settlement negotiations. Subject to this adjustment, the Parties agree that the proposed capital structure, rate of return on equity and short and long-term debt costs are determined in accordance with Board policy. All the Parties agree that the cost of capital calculation must be adjusted to reflect the updated cost of capital parameters. This proposal has been updated to reflect the Cost of Capital Parameter Updates issued by the Board on October 15, 2015 for applications with rates effective in 2016. Details of the calculation of the Long-Term Debt Rate are provided in Table 5 below.

Table 5 – Long Term Debt Rate Calculation

		Year		2016					
Row	Description	Lender	Affiliated or Third-Party Debt?	Fixed or Variable-Rate?	Start Date	Term (years)	Average Principal (\$)	Rate (%) (Note 2)	Interest (\$) (Note 1)
1	Shareholder - Sr Debt	Waterloo North Hydro Holding Company	Affiliated	Fixed	1-Jul-09	On Demand	\$ 17,266,271	4.54%	783,889
2	Shareholder - Jr Debt	Waterloo North Hydro Holding Company	Affiliated	Fixed	1-May-00	On Demand	\$ 16,246,940	4.54%	737,611
4	Banker's Acceptance - Mortgage	CIBC	Third-Party	Fixed	12-Apr-12	25	\$ 22,116,127	3.95%	873,587
5	Banker's Acceptance - Smart Meters	CIBC	Third-Party	Fixed	1-Apr-13	8	\$ 7,159,732	2.98%	213,360
6	Banker's Acceptance - Term Loan 2013	CIBC	Third-Party	Fixed	4-Jul-13	20	\$ 12,776,883	4.434%	566,527
7	Banker's Acceptance - Term Loan 2014	CIBC	Third-Party	Fixed	4-Jun-14	20	\$ 13,542,454	4.035%	546,438
8	Banker's Acceptance - Term Loan 2015	CIBC	Third-Party	Fixed	1-Jun-15	20	\$ 10,000,000	3.43%	343,000
9	Banker's Acceptance - Term Loan 2016	CIBC Part Year 3	Third-Party	Fixed	1-Jun-16	20	\$ 4,200,000	3.43%	144,060
Total							\$ 103,308,406	4.07%	4,208,472

- d) *Other Revenue*: For the purposes of settlement of the issues in this proceeding, WNH agrees to increase its forecast of other revenues by \$40,000, which is reflective of a historic average of other revenue excluding one-time amounts. The Parties agree that this methodology is appropriate.
- e) *Depreciation*: For the purposes of settlement of the issues in this proceeding, WNH agrees to update its depreciation calculations to reflect the following changes:
- Overhead Conductors*: With respect to this asset category, WNH agrees to depreciate overhead conductions over a period of 50 years, which is within the Kinectrics range for this asset category. 2016 Depreciation in Account # 1835 decreased \$70,036 for this change;
 - Communication Towers*: With respect to this asset category, WNH agrees to depreciate this equipment asset over a period of 60 years, which is within the Kinectrics range for this asset category. 2016 Depreciation in Account # 1808 decreased \$3,488 for this change;
 - Disposal of MS # 1*: WNH agrees to remove MS # 1 from Rate Base in 2016 and the associated 2016 depreciation in Account # 1808 of \$747 has also been removed;
 - Reduction of 2016 Rate Base in Issue 1.1 and 2.1(a)*: WNH agrees to remove the 2016 depreciation associated with the reduction of Rate Base of \$500,000 detailed in Issue 1.1 and 2.1(a). 2016 Depreciation was removed in Account # 1835 in the amount of \$2,778 and Account # 1845 in the amount of \$3,571; and
 - Addition of OPEB Capital Portion in Issue 1.2*: WNH agrees to the addition of \$86,000, the capital portion of OPEB premiums paid, the 2016 Depreciation in Account # 1845 in the amount of \$1,229 was added for this item.

Depreciation adjustments are reflected in Table 6 below.

Table 6 – Depreciation

Details	USoA	Undertaking	Settlement Agreement	
		JTC1.22 RRWF	Change	Balance
Net Depreciation		8,157,240		8,157,240
<i>Settlement Agreement Changes</i>				
<i>Buildings and Fixtures</i>				
Remove MS # 1 2016 Depreciation	1808		(747)	
Change Tower Useful Life to 60 Years from 50 Years			(3,488)	
<i>Overhead Conductors and Devices</i>				
Change Overhead Conductors/Devices Useful Life to 50 Years from 45 Years	1835		(70,036)	
Allocated 1/2 of \$500k Decrease to USoA 1835 - Change in Depreciation			(2,778)	
<i>Underground Conductors and Devices</i>				
Allocated 1/2 of \$500k Decrease to USoA 1845- Change in Depreciation	1845		(3,571)	
Depreciation on \$86k Increase in OPEB			1,229	(79,391)
Net Depreciation after Changes		8,157,240	(79,391)	8,077,849

Subject to the adjustments above and adjustments to rate base as noted herein, the Parties accept that the WNH depreciation/amortization expenses are appropriate and reflect the useful lives of the assets and the Board's accounting policies.

- f) *Taxes*: For the purposes of settlement of the issues in this proceeding, and subject to the other adjustments arising in this Settlement Proposal, the parties agree that the proposed level of taxes are accurate. A working Microsoft Excel format of the PILs workform reflecting this Settlement Proposal is provided as part of the supporting material in file named "Waterloo_2016_Test_Year_Income_Tax_PILs_Workform_Settlement_Update CoC_20151023".

A revised Appendix 2-W (Bill Impacts) in working Microsoft Excel format reflecting this Settlement Proposal is provided as part of the supporting material in file named "Waterloo_2016_Bill Impacts_Appendix 2-W_Settlement_Update CoC_20151023".

WNH has made changes to the Revenue Requirement as reproduced below in Table 7 to reflect the Settlement Proposal.

Table 7 – Revenue Requirement

Details	Application (A)	Interrogatories (B)	Variance	Settlement (D)	Variance	Settlement Update CoC (F)	Variance
			(C) = (B) - (A)		(E) = (D) - (B)		(G) = (F) - (D)
OM&A Expenses	13,679,334	13,689,334	10,000	13,117,334	(572,000)	13,117,334	-
Donations - LEAP	42,000	42,000	-	42,000	-	42,000	-
Property Taxes	489,734	489,734	-	489,734	-	489,734	-
Amortization Expenses	8,151,672	8,157,240	5,568	8,077,849	(79,392)	8,077,849	-
Regulated Return On Capital	13,427,518	12,881,291	(546,227)	12,789,608	(91,683)	12,568,049	(221,559)
PILs	803,815	740,537	(63,279)	718,460	(22,077)	685,358	(33,101)
Service Revenue Requirement	36,594,073	36,000,135	(593,938)	35,234,984	(765,152)	34,980,324	(254,660)
Less: Revenue Offsets	1,181,606	1,183,596	1,990	1,223,596	40,000	1,223,596	-
Base Revenue Requirement	35,412,467	34,816,540	(595,928)	34,011,388	(805,152)	33,756,728	(254,660)
Revenue at Existing Rates	31,257,951	31,276,093	18,142	31,669,501	393,408	31,669,501	-
Revenue Deficiency	4,154,517	3,540,447	(614,070)	2,341,887	(1,198,559)	2,087,227	(254,660)

Evidence:

Application: Exhibit 1 pages 53-54, Tables 1-5, 1-16; Exhibit 2, including at Tables 2-1, 2-2, 2-3, 2-24, 2-25; Exhibit 3 pages 38-45, Tables 3-1, 3-37 through 3-43; Exhibit 4; Exhibit 5; Exhibit 6

IRRs: 1-Staff-8, 21, 22, 23, 24; 2-Energy Probe-12; 3-Staff-110, 111, 3-Energy Probe-26, 3.0-VECC-25; 4-Staff 128, 129, 4-Energy Probe-40, 41, 42, 43, 44, 45, 4.0-VECC-38; 5-Staff-133, 5-Energy Probe-46, 47, 48, 5-SEC-48, 5.0-VECC-42; 9-Staff-149

TC Transcript: August 19, 2015 TC Transcript at pages 92-93, 106-107, 128-129

Undertaking Responses: JTC1.10, JTC1.12, JTC1.21, JTC1.22

Appendices to this Settlement Proposal: Appendix C, Appendix D

Supporting Parties: All

2.2 Has the Base Revenue Requirement been accurately determined based on these elements?

Complete Settlement: For the purposes of settlement of the issues in this proceeding, and subject to the adjustments expressly noted in this Settlement Proposal, the Parties agree that the proposed Base Revenue Requirement has been accurately determined in the Appendices.

In Sheet 10 of the RRWF property taxes have not been included in the OM&A or Taxes/PILs category but it has been included in the total Service Revenue Requirement.

A revised Revenue Requirement Workform in working Microsoft Excel format reflecting this Settlement Proposal is provided as part of the supporting material in file named "Waterloo_2016_Revised_Rev_Reqt_Work_Form_V6_Settlement_Update CoC_20151023".

Evidence:

Application: Exhibit 6, including Tables 6-1 through 6-5, Attachment 6-1

IRRs: 6-Energy Probe-49, 1-E2-3

TC Transcript: N/A

Undertaking Responses: JTC1.22

Appendices to this Settlement Proposal: N/A

Supporting Parties: All

3. Load Forecast, Cost Allocation and Rate Design

3.1 Are the proposed load and customer forecast, loss factors, CDM adjustments and resulting billing determinants appropriate, and, to the extent applicable, are they an appropriate reflection of the energy and demand requirements of the applicant's customers?

Complete Settlement: For the purposes of the settlement of the issues in this proceeding, WNH agrees to the following adjustments:

- an increase of 148 residential customers and 10 GS>50 customers for the customer forecast;
- an increase in load forecast for the test year resulting in a load forecast of 1540 GWh.
- 2016 annualized savings for LRAMVA purposes is a total of 14,950,000 kWh, allocated in Table 8 below.
- As outlined in Section 4.2 below, for the purposes of settlement of the issues in this proceeding, the Parties agree that the LRAMVA calculations for 2011 to 2014 should be updated to reflect the latest IESO results. As a result, the 2016 annualized savings for LRAMVA of 14,950,000 kWh has been split by rate class in Table 8 to reflect the final 2011 to 2014 OPA CDM Results. Prior to the preparation of this settlement proposal the 14,950,000 kWh was split by rate class to reflect the final 2011 to 2013 OPA CDM Results.

Table 8 – CDM Savings

LRAMVA Split kWh 11-14		CDM Savings	
		kWh	kW
Residential	18.7%	2,793,968	
GS < 50 kW	24.7%	3,691,547	
GS >50 kW	42.4%	6,337,140	15,626
Large User	14.2%	2,127,346	3,895
Total	100.0%	14,950,000	

Subject to the adjustments above, the Parties agree that the customer forecast, loss factors, CDM adjustments and the resulting billing determinates are appropriate and are reflective of the energy and demand requirements of the applicant's customers. The adjusted 2016 load forecast is presented below as Table 9:

Table 9 – Load Forecast

Rate Class / Details	Application (A)	Interrogatories (B)	Variance (C) = (B) - (A)	Settlement (D)	Variance (E) = (D) - (B)
Predicted kWh Purchases	1,513,105,368	1,513,105,368	-	1,540,000,000	26,894,632
CDM Purchase Adjustment	(14,562,388)	(14,558,610)	3,778	(15,534,181)	(975,571)
Predicted kWh Purchases after CDM	1,498,542,980	1,498,546,758	3,778	1,524,465,819	25,919,062
Residential					
Customers	49,305	49,305	-	49,453	148
kWh	399,341,268	399,471,640	130,373	408,868,804	9,397,164
General Service < 50 kW					
Customers	5,632	5,632	-	5,642	10
kWh	192,108,795	192,172,348	63,554	196,732,916	4,560,568
General Service > 50 to 4999 kW					
Customers	693	693	-	693	-
kWh	710,364,299	712,810,799	2,446,499	721,724,020	8,913,222
kW	1,746,786	1,752,802	6,016	1,774,720	21,918
Large User					
Customers	1	1	-	1	-
kWh	95,063,906	92,802,320	(2,261,586)	94,944,937	2,142,617
kW	173,581	169,451	(4,130)	173,364	3,912
Direct Market Participant					
Customers	2	2	-	2	-
kWh	6,823,514	6,823,514	-	6,823,514	-
kW	12,620	12,620	-	12,620	-
Street Lights					
Connections	13,828	13,828	-	13,828	-
kWh	7,594,660	7,594,660	-	7,594,660	-
kW	21,115	21,115	-	21,115	-
Unmetered Loads					
Connections	563	563	-	563	-
kWh	3,140,372	3,140,372	-	3,140,372	-
Embedded Distributor					
Customers	1	1	-	1	-
kWh	31,378,863	31,378,863	-	31,378,863	-
kW	71,406	71,406	-	71,406	-
Total					
Customer/Connections	70,025	70,025	-	70,183	158
kWh	1,445,815,676	1,446,194,516	378,840	1,471,208,086	25,013,570
kW from applicable classes	2,025,508	2,027,394	1,886	2,053,224	25,830

Rate Class / Details	Settlement before CDM (A)	Settlement after CDM (B)	CDM Adjustment (C) = (B) - (A)
Predicted kWh Purchases	1,540,000,000	1,524,465,819	(15,534,181)
Residential			
Customers	49,453	49,453	-
kWh	411,670,526	408,868,804	(2,801,722)
General Service < 50 kW			
Customers	5,642	5,642	-
kWh	200,434,708	196,732,916	(3,701,791)
General Service > 50 to 4999 kW			
Customers	693	693	-
kWh	728,078,747	721,724,020	(6,354,726)
kW	1,790,346	1,774,720	(15,626)
Large User			
Customers	1	1	-
kWh	97,078,186	94,944,937	(2,133,250)
kW	177,259	173,364	(3,895)
Direct Market Participant			
Customers	2	2	-
kWh	6,823,514	6,823,514	-
kW	12,620	12,620	-
Street Lights			
Connections	13,828	13,828	-
kWh	7,594,660	7,594,660	-
kW	21,115	21,115	-
Unmetered Loads			
Connections	563	563	-
kWh	3,140,372	3,140,372	-
Embedded Distributor			
Customers	1	1	-
kWh	31,378,863	31,378,863	-
kW	71,406	71,406	-
Total			
Customer/Connections	70,183	70,183	-
kWh	1,486,199,575	1,471,208,086	(14,991,489)
kW from applicable classes	2,072,746	2,053,224	(19,521)

For the purposes of settlement, Parties agreed the manual CDM adjustment would be updated to include the persistence of 2014 programs into 2016 that were outlined in the final 2011 to 2014 OPA CDM Results.

A revised load forecast model in working Microsoft Excel format reflecting this Settlement Proposal is included together with this Settlement Proposal under file named “Waterloo_2016_Load Forecast Model_Settlement_20150921”.

Evidence:

Application: Exhibit 1 page 57; Exhibit 3 including pages 2-37, Tables 3-2 through 3-36

IRRs: 1-Staff-15; 3-Staff-94, 95, 96, 99, 100, 102, 104, 105, 107, 3-Energy Probe-21, 23, 24, 25, 3.0-VECC-17, 18, 19, 21, 23, 24

TC Transcript: August 19, 2015 TC Transcript at pages 88-92, 96-97

Undertaking Responses: JTC1.11, JTC1.12, JTC1.13, JTC1.14, JTC1.22

Appendices to this Settlement Proposal: N/A

Supporting Parties: All

3.2 Are the proposed cost allocation methodology, allocations, and revenue-to-cost ratios appropriate?

Complete Settlement: For the purposes of the settlement of the issues in this proceeding, the Parties agree that the base numbers prepared in response to Undertaking JTC1.22 are appropriate.

Subject to the above, the Parties agree that the cost allocation methodology is appropriate and results in revenue-to-cost ratios that are within the Board's permitted ranges. These revenue-to-cost ratios are reproduced below in Table 10.

Table 10: Revenue-to-Cost Ratios

Rate Class	2016 Settlement Cost Allocation Study	2016 Settlement Proposed Ratios
Residential	103.01%	102.98%
GS < 50 kW	102.48%	102.48%
GS >50 to 4999 kW	94.49%	94.49%
Large Use	77.04%	85.00%
Unmetered Scattered Load	190.32%	120.00%
Street Lighting	103.40%	102.98%
Embedded Distributor	67.52%	100.00%

A revised working Microsoft Excel format of the cost allocation model from this Settlement Proposal is provided as part of the supporting material in file named "Waterloo_2016_COS_Cost_Allocation_Model_Settlement_Update CoC_20151023".

On a best effort basis, WNH agrees to provide notice to the University of Waterloo, and specifically to the attention of its Director, Maintenance & Utilities, Rick Zalagenas via email at rszalagenas@uwaterloo.ca and also to its consultant, E2 Energy, specifically to the attention of its CEO, Scott Walker via email at swalker@e2energyinc.com, if WNH believes that a new or existing customer may likely qualify as a (new) Large User customer in its service territory. This notification will be as soon as reasonably possible but no later than when it first begins to bill a customer as a Large User. Currently, WNH does not commence billing a customer as a Large User until such a time as the customer has proven 12 consecutive months of billing data, meeting or exceeding the Large User threshold parameter).

Evidence:

Application: Exhibit 1 pages 70-72; Exhibit 7 including pages 2-13, Tables 7-1 through 7-8, Attachment 7-1

IRRs: 7-Staff-135, 136, 137, 7-Energy Probe-50, 51, 1-E2-1, 1-E2-2, 1-E2-3, 7.0-VECC-44

TC Transcript: August 19, 2015 TC Transcript at pages 86-88, 93-95, 130-133

Undertaking Responses: JTC1.22, JTC1.23

Appendices to this Settlement Proposal: N/A

Supporting Parties: All

3.3 Are the applicant's proposals, including the proposed fixed/variable splits, for rate design appropriate?

Complete Settlement: For the purposes of settlement of the issues in this proceeding, WNH has increased the Residential fixed charge to \$19.71. WNH used the fixed charge of \$16.20 based on the current fixed/variable revenue proportions as the starting point for the calculation in Appendix 2-PA since \$16.20 was below the ceiling fixed charge from the cost allocation model of \$19.53. WNH has adjusted the \$16.20 fixed charge to \$19.71 as calculated by the Board's Appendix 2-PA which reflects the first year of a four year transition to a 100% fixed charge. Appendix 2-PA is shown in Table 12 below.

For the purpose of settlement of the issues in this proceeding, the Parties agree to maintain the current 2015 monthly fixed charge for all non-residential rate classes, where the proposed fixed charge is above the Customer Unit Cost per month - Minimum System with PLCC (Peak Load Carrying Capability). This results in the following adjustments:

- General Service < 50 kW fixed charge is reduced to \$31.96, with a corresponding change to the variable charge;
- General Service > 50 kW fixed charge is reduced to \$119.38, with a corresponding change to the variable charge;
- Large Use fixed charge is reduced to \$6,975.72, with a corresponding change to the variable charge;
- Street Lighting fixed charge is reduced to \$0.33, with a corresponding change to the variable charge;

For the purposes of settlement of the issues in this proceeding, WNH has reduced the Unmetered Scattered Load fixed charge to \$10.61. The ceiling fixed charge from the cost allocation model is \$9.41 and the current 2015 fixed charge is \$15.98. WNH has adjusted to the fixed charge based on the current fixed/variable revenue proportions.

Subject to the above, the Parties agree that WNH's proposals, including the proposed fixed/variable splits, for rate design are appropriate. The distribution charges resulting from this Settlement Proposal are produced below as Table 11.

Table 11: Distribution Charges

Rate Class	Proposed Monthly Service Charge	Unit of Measure	Proposed Distribution Volumetric Charge
Residential	\$ 19.71	\$/kWh	\$ 0.0154
GS < 50 kW	\$ 31.96	\$/kWh	\$ 0.0159
GS >50 to 4999 kW	\$ 119.38	\$/kW	\$ 5.0649
Large Use	\$ 6,975.72	\$/kW	\$ 4.0196
Unmetered Scattered Load	\$ 10.61	\$/kWh	\$ 0.0132
Street Lighting	\$ 0.33	\$/kW	\$ 9.3754
Embedded Distributor	\$ -	\$/kW	\$ 0.0200

Table 12 – OEB Appendix 2-PA Residential Service Charge Transition

**Appendix 2-PA
New Rate Design Policy For Residential Customers**

Please complete the following tables.

A) Data Inputs

Test Year Billing Determinants for Residential Class	
Customers	49,453
kWh	408,916,548

Proposed Residential Class Specific Revenue Requirement ¹	\$ 17,976,876.42
--	------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	16.20
Distribution Volumetric Rate (\$/kWh)	0.0205

B) Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	16.2	49,453	\$ 9,613,663.20	53.42%
Variable	0.0205	408,916,548	\$ 8,382,789.23	46.58%
TOTAL	-	-	\$ 17,996,452.43	-

C) Calculating Test Year Base Rates

Number of Required Rate Design Policy Transition Years ²	4
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 9,603,205.74	16.18	\$ 9,601,794.48
Variable	\$ 8,373,670.68	0.0205	\$ 8,382,789.23
TOTAL	\$ 17,976,876.42	-	\$ 17,984,583.71

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Reconciliation @ Adjusted Rates
Fixed	65.06%	\$ 11,696,623.41	19.71	\$ 11,696,623.56
Variable	34.94%	\$ 6,280,253.01	0.0154	\$ 6,297,314.83
TOTAL	-	\$ 17,976,876.42	-	\$ 17,993,938.39

Checks ³	
Change in Fixed Rate	\$ 3.53
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	\$ 17,061.97
	0.09%

The reconciliation of revenue reflecting the rate design from this Settlement Proposal is provided in Table 13 below.

Table 13 – Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/Connections			Test Year Consumption		Proposed Rates			Revenues at Proposed Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
		Start of Test Year	End of Test Year	Average	kWh	kW	Monthly Service Charge	Volumetric						
								kWh	kW					
Residential	Customers	49,005	49,901	49,453	408,868,804		\$ 19.71	\$ 0.0154		\$ 17,993,203	\$ 17,976,876		\$17,976,876	-\$ 16,327
GS < 50 kW	Customers	5,615	5,669	5,642	196,732,916		\$ 31.96	\$ 0.0159		\$ 5,291,873	\$ 5,225,595	\$ 74,612	\$ 5,300,207	\$ 8,333
GS > 50 kW	Customers	695	695	695		1,787,340	\$ 119.38		\$ 5.0649	\$ 10,048,330	\$ 9,406,347	\$ 641,990	\$10,048,337	\$ 7
Large User	Customers	1	1	1		173,364	\$ 6,975.72		\$ 4.0196	\$ 780,561	\$ 780,567		\$ 780,567	\$ 7
Unmetered Scattered Load	Connections	552	574	563	3,140,372		\$ 10.61	\$ 0.0132		\$ 113,134	\$ 113,196		\$ 113,196	\$ 62
Streetlighting	Connections	13,818	13,838	13,828		21,115	\$ 0.33		\$ 9.3754	\$ 252,717	\$ 252,717		\$ 252,717	\$ 0
Embedded Distributor Class	Customers	1	1	1		71,406	\$ -		\$ 0.0200	\$ 1,428	\$ 1,430		\$ 1,430	\$ 2
Total										\$ 34,481,246	\$ 33,756,728	\$ 716,602	\$34,473,330	-\$ 7,916

Evidence:

Application: Exhibit 1 pages 70, 72; Exhibit 8 including Tables 8-1 through 8-7 and Table 8-11 through 8-14, Attachments 8-2 through 8-4

IRRs: 1-Energy Probe-7; 8-Staff-138, 8-Energy Probe-52, 53, 8.0-VECC-46

TC Transcript: N/A

Undertaking Responses: JTC1.9, JTC1.22, JTC1.24, JTC1.25

Appendices to this Settlement Proposal: N/A

Supporting Parties: All

3.4 Are the proposed Retail Transmission Service Rates and Low Voltage service rates appropriate?

Complete Settlement: For the purposes of the settlement of the issues in this proceeding, the Parties agree that the proposed forecast of other regulated rates and charges including the proposed Retail Transmission Service Rates and Low Voltage service rates are appropriate. Retail Transmission Service Rates and Low Voltage service rates have been reproduced below as Tables 14 and 15, respectively.

Table 14: Retail Transmission Service Rates

Rate Class	Unit of Measure	Proposed RTSR - Network	Proposed RTSR - Connection
Residential	\$/kWh	\$ 0.0074	\$ 0.0023
General Service < 50 kW	\$/kWh	\$ 0.0067	\$ 0.0021
General Service 50 To 4,999 KW (less than 1,000 kW)	\$/kW	\$ 2.7741	\$ 0.8036
General Service 50 To 4,999 KW (Interval Metered less than 1,000 kW)	\$/kW	\$ 2.9465	\$ 1.0037
General Service 50 To 4,999 KW (Interval Metered 1,000 to 4,999 kW)	\$/kW	\$ 2.9427	\$ 1.0026
Large Use	\$/kW	\$ 3.2624	\$ 1.0072
Unmetered Scattered Load	\$/kWh	\$ 0.0067	\$ 0.0021
Street Lighting	\$/kW	\$ 2.0924	\$ 0.6210

Table 15: Low Voltage service rates

Rate Class	Unit of Measure	Proposed Low Voltage Charges
Residential	\$/kWh	\$ 0.0002
GS < 50 kW	\$/kWh	\$ 0.0002
GS > 50 kW	\$/kW	\$ 0.0738
Large Use	\$/kW	\$ 0.0925
Unmetered Scattered Load	\$/kWh	\$ 0.0002
Street Lighting	\$/kW	\$ 0.0570

Evidence:

Application: Exhibit 8 including pages 10-11 and 12-14, Tables 8-8, 8-9, 8-10, Attachment 8-1

IRRs: N/A

TC Transcript:

Undertaking Responses: August 19, 2015 TC Transcript at pages 142 - 143

Appendices to this Settlement Proposal: N/A

Supporting Parties: All

4. Accounting

- 4.1** Have all impacts of any changes in accounting standards, policies, estimates and adjustments been properly identified and recorded, and is the rate-making treatment of each of these impacts appropriate?

Complete Settlement: For the purposes of the settlement of the issues in this proceeding, and subject to the adjustment in the depreciation calculations noted in the settlement of issue 2.1 above, the Parties agree that the impacts of any changes in accounting standards, policies, estimates and adjustments have been properly identified, and the treatment of each of these impacts is appropriate.

An updated EDDVAR Continuity Schedule is provided in working Microsoft Excel format reflecting this Settlement Proposal provided under file named “Waterloo_2016_COS_2015_EDDVAR_Continuity Schedule_Settlement_Update CoC_20151023”. This file also includes the calculation of the various riders discussed below.

Evidence:

Application: Exhibit 1 pages 109 -112; Exhibit 2 pages 3-4, 23-24, 52-56, 79-86; Exhibit 4 pages 80-99; Exhibit 9 pages 9-24

IRRs: N/A

TC Transcript: N/A

Undertaking Responses: JTC1.22

Appendices to this Settlement Proposal: N/A

Supporting Parties: All

4.2 Are the applicant's proposals for deferral and variance accounts, including the balances in the existing accounts and their disposition, and the continuation of existing accounts, appropriate?

Complete Settlement: For the purposes of the settlement of the issues in this proceeding, the Parties agree to the following:

- i) The disposition of the balance and the discontinuance of the Other Regulatory Asset – Sub-Account – Other Capital Gain Variance – 2011 COS Settlement Agreement Item Account 1508 related to the Administration Building and Service Centre on Northfield Drive in Waterloo, as was created in EB-2010-0144, is appropriate as further described in Exhibit 9;
- ii) The disposition of the balance and the discontinuance of the Other Regulatory Asset – Sub-Account – Other OMERS Difference – 2011 COS Settlement Agreement Item Account 1508 related to the difference in actual OMERS costs to the amounts included in rates, as was created in EB-2010-0144, is appropriate as further described in Exhibit 9;
- iii) The disposition of the balance of Account 1576 as described in issue 4.1 above is appropriate, as further described in as further described in Exhibit 9 9.0-VECC-47. The Weighted Average Cost of Capital will be adjusted when the Board updated rates are published, as discussed in item 2.1 (c) above. This proposal has updated Account 1576 to reflect the updated Weighted Average Cost of Capital, based on the Cost of Capital Parameter Updates issued by the Board on October 15, 2015 for applications with rates effective in 2016. A revised OEB Appendix 2-EC, Account 1576, is reflected in Appendix E of this Settlement Proposal;
- iv) The disposition of the balance and the discontinuance of the Other Regulatory Asset – Sub-Account – 1508 - Deferred IFRS Transition Costs is appropriate as further described in Exhibit 9;
- v) The disposition of the balance and the discontinuance of the PILs and Tax Variances for 2006 and Subsequent Years, including the Sub-Account – 1592 , is appropriate as further described in Exhibit 9;
- vi) The disposition of the balance and the discontinuance of the Smart Meter Capital and Recovery Offset Variance –Sub Account – Stranded Meter Costs - 1555 , is appropriate as further described in Exhibit 9;
- vii) The disposition of the balance and the discontinuance of the Disposition and Recovery/Refund of Regulatory Balances (2010 – 2013) - 1595, is appropriate as further described in Exhibit 9;

- viii) The creation of a variance account 1508 Other Regulatory Assets - Sub-account Wireless and Wireline to record two items: 1) the net (less any related costs) incremental revenues received from any wireless attachments during the IRM period; and 2) any changes in revenue received due to any change in the currently regulated wireline attachment rate of \$22.35 per attachment per pole per year. For clarity, the latter is a symmetrical account that reflects changes to the rate rather than change in number of wireline attachments. Any balance in this variance account is to be cleared in WNH's next Cost of Service Application. A draft accounting order for this account is attached as Appendix F to this Settlement Proposal;
- ix) The creation of a variance account 1508 Other Regulatory Asset - Sub-account Gains/Losses on Disposition of Municipal Stations, to capture net gains and losses on disposition of various Municipal Station properties inclusive of remediation costs. Upon disposition, the balance of this account will be distributed with 75% to ratepayers and 25% to WNH. For clarity, this account is not symmetrical in that the Parties agree ratepayers will not owe a credit to WNH if this account is in a net loss scenario at the time of disposition. Any applicable balance is to be disposed of in WNH's next Cost of Service Application. A draft accounting order for this account is attached as Appendix G to this Settlement Proposal;
- x) WNH is to establish a new variance account 1508 Other Regulatory Asset Sub-account OPEB for the purpose of recording the difference in revenue requirement each year, starting in the test year, between both the capitalized and OM&A components of OPEBs accounted for using a cost basis (as to be reflected in rates if this settlement is accepted by the Board) and both capitalized and OM&A components of OPEBs accounted for using an accrual basis together with related PILs adjustments. This account will accrue interest until final disposition. If the Board determines that LDCs must only include in rates OPEBs accounted for using a cash basis, WNH will seek to discontinue this account without seeking disposition of the amounts recorded in this account. If the Board determines that LDCs may recover OPEBs in rates using an accrual accounting methodology, the Parties agree that WNH will be permitted to seek disposition of this account to recover the amounts so recorded in its rate application following the Board's Decision. WNH will propose a disposition period over which the account should be recovered depending on the quantum in the account and the potential rate impacts at the time. A draft accounting order for this account is attached as Appendix H to this Settlement Proposal.; and
- xi) The disposition of the balance of Account the remaining deferral and variance accounts are reflected in EDDVAR Model which is attached to this Settlement Proposal as "Waterloo_2016_COS_2015_EDDVAR _ContinuitySchedule_Settlement_Update CoC_20151023".

WNH notes that it has now received verified final results from the IESO for 2014 CDM. This report is attached as Appendix I in this Settlement Proposal.

For the purposes of settlement of the issues in this proceeding, the Parties agree that the LRAMVA calculations for 2011 to 2014 should be updated to reflect the latest IESO results. In addition, the Parties agree that WNH is now entitled to seek disposition of 2014 LRAMVA amounts and for the purposes of settlement of the issues in this proceeding, the Parties agree that it would be appropriate for WNH to do so now. An update of the LRAMVA numbers for 2011 to 2014 is shown in Tables 16 – 18 below.

Table 16 - Summary of Requested LRAM Amounts

LRAM Rate Rider	LRAMVA	CDM \$ in 2011 COS	Net LRAMVA	Interest	Total LRAMVA Claim	2016 Proposed Billing Determinant	UOM	LRAMVA Rider
Residential	229,389	163,011	66,378	2,003	68,381	408,916,548	kWh	\$ 0.0002
General Service Less Than 50 kW	225,354	55,489	169,865	5,126	174,991	196,359,585	kWh	\$ 0.0009
General Service 50 to 4,999 kW	548,117	108,485	439,632	13,266	452,898	1,788,910	kW	\$ 0.2532
Large User	44,212	10,161	34,051	1,027	35,078	172,792	kW	\$ 0.2030
Total	1,047,072	337,146	709,926	21,422	731,348			

Table 17 - Allocation of OPA Results

LRAMVA Calculation for 2011 to 2014 final results of OPA Program									
Net KWh saved from OPA program									
OPA Initiative Name	Program Year	Results Status	Rate Class	Market	2011 kWh Saved	2012 kWh Saved	2013 kWh Saved	2014 kWh Saved	Total kWh Saved
Appliance Retirement	2011	Final	Residential	Consumer	180,566	180,566	180,566	180,463	722,161
Appliance Exchange	2011	Final	Residential	Consumer	3,051	3,051	3,051	1,895	11,046
HVAC Incentives	2011	Final	Residential	Consumer	650,749	650,749	650,749	650,749	2,602,995
Conservation Instant Coupon Booklet	2011	Final	Residential	Consumer	189,312	189,312	189,312	189,312	757,248
Bi-Annual Retailer Event	2011	Final	Residential	Consumer	316,302	316,302	316,302	316,302	1,265,210
Equipment Replacement Incentive Initiative	2011	Final	<50 kW - 12%	Business	172,665	172,665	172,665	172,665	690,658
			>50 kW - 88%	Business	1,260,457	1,260,457	1,260,457	1,260,457	5,041,828
Direct Install Lighting	2011	Final	<50 kW	Business	635,841	635,841	635,841	419,046	2,326,569
Energy Audit	2011	Final	<50 kW	Business	79,195	79,195	79,195	79,195	316,780
Demand Response 3	2011	Final	>50 kW	Business	4,323	-	-	-	4,323
Equipment Replacement Incentive Initiative	2011	Final	>50 kW	Industrial	1,128,878	1,128,878	1,128,878	1,128,878	4,515,511
Demand Response 3	2011	Final	>50 kW	Industrial	23,003	-	-	-	23,003
Electricity Retrofit Incentive Program	2011	Final	<50 kW	Business	913,663	913,663	913,663	913,663	3,654,650
High Performance New Construction	2011	Final	>50 kW	Business	346,664	346,664	346,664	346,664	1,386,657
Appliance Retirement	2012	Final	Residential	Consumer	-	99,292	99,292	99,292	297,876
Appliance Exchange	2012	Final	Residential	Consumer	-	18,832	18,832	18,832	56,496
HVAC Incentives	2012	Final	Residential	Consumer	-	450,936	450,936	450,936	1,352,808
Conservation Instant Coupon Booklet	2012	Final	Residential	Consumer	-	14,008	14,008	14,008	42,025
Bi-Annual Retailer Event	2012	Final	Residential	Consumer	-	268,321	268,321	268,321	804,962
Retrofit	2012	Final	<50 kW - 6.2%	Business	-	336,278	336,278	330,681	1,003,237
			>50 kW - 37.4%	Business	-	2,034,971	2,034,971	2,001,102	6,071,044
			Large Use - 56.4%	Business	-	3,062,531	3,062,531	3,011,560	9,136,621
Direct Install Lighting	2012	Final	<50 kW	Business	-	307,810	307,810	307,692	923,312
New Construction	2012	Final	>50 kW	Business	-	5,261	5,261	5,261	15,782
Energy Audit	2012	Final	<50 kW	Business	-	208,243	208,243	208,243	624,728
Demand Response 3	2012	Final	>50 kW	Business	-	1,614	-	-	1,614
Demand Response 3	2012	Final	>50 kW	Industrial	-	30,360	-	-	30,360
Home Assistance Program	2012	Final	Residential	Consumer	-	29,893	29,893	29,862	89,649
High Performance New Construction	2012	Final	>50 kW	Business	-	105,383	105,383	105,383	316,150
Appliance Retirement	2013	Final	Residential	Consumer	-	-	63,885	63,885	127,770
Appliance Exchange	2013	Final	Residential	Consumer	-	-	23,275	23,275	46,549
HVAC Incentives	2013	Final	Residential	Consumer	-	-	427,746	427,746	855,492
Conservation Instant Coupon Booklet	2013	Final	Residential	Consumer	-	-	77,457	77,457	154,913
Bi-Annual Retailer Event	2013	Final	Residential	Consumer	-	-	172,122	172,122	344,243
Residential Demand Response	2013	Final	Residential	Consumer	-	-	652	-	652
Retrofit	2013	Final	<50 kW - 17.4%	Business	-	-	645,460	643,144	1,288,604
			>50 kW - 78.9%	Business	-	-	2,920,048	2,909,570	5,829,618
			Large Use - 3.7%	Business	-	-	137,217	136,725	273,942
Direct Install Lighting	2013	Final	<50 kW	Business	-	-	408,878	408,878	817,756
New Construction	2013	Final	>50 kW	Business	-	-	8,839	8,839	17,679
Energy Audit	2013	Final	<50 kW	Business	-	-	1,696,902	1,696,902	3,393,803
Small Commercial Demand Response	2013	Final	<50 kW	Business	-	-	10	-	10
Demand Response 3	2013	Final	>50 kW	Business	-	-	1,504	-	1,504
Energy Manager	2013	Final	>50 kW	Business	-	-	69,300	69,300	138,600
Demand Response 3	2013	Final	>50 kW	Industrial	-	-	30,917	-	30,917
Home Assistance Program	2013	Final	Residential	Consumer	-	-	188,705	187,478	376,183
Appliance Retirement	2014	Final	Residential	Consumer	-	-	-	80,001	80,001
Appliance Exchange	2014	Final	Residential	Consumer	-	-	-	52,460	52,460
HVAC Incentives	2014	Final	Residential	Consumer	-	-	-	544,462	544,462
Conservation Instant Coupon Booklet	2014	Final	Residential	Consumer	-	-	-	515,369	515,369
Bi-Annual Retailer Event	2014	Final	Residential	Consumer	-	-	-	1,231,340	1,231,340
Retrofit	2014	Final	<50 kW - 11.8%	Business	-	-	-	575,911	575,911
			>50 kW - 87.9%	Business	-	-	-	4,289,821	4,289,821
			Large Use - .3%	Business	-	-	-	15,620	15,620
Direct Install Lighting	2014	Final	<50 kW	Business	-	-	-	349,433	349,433
New Construction	2014	Final	>50 kW	Business	-	-	-	147,947	147,947
Energy Audit	2014	Final	<50 kW	Business	-	-	-	391,641	391,641
Energy Manager	2014	Final	>50 kW	Business	-	-	-	91,627	91,627
Home Assistance Program	2014	Final	Residential	Consumer	-	-	-	48,046	48,046
Program Enabled Savings	2014	Final	>50 kW	Business	-	-	-	125,622	125,622
									-
									-
Total					5,904,668	12,851,074	19,692,018	27,795,080	66,242,840
Rate Class Allocation (kWh)					2011 kWh Saved	2012 kWh Saved	2013 kWh Saved	2014 kWh Saved	Total kWh Saved
Residential					1,339,980	2,221,262	3,175,104	5,643,612	12,379,958
General Service < 50 kW					1,801,363	2,653,693	5,404,943	6,497,092	16,357,092
General Service 50 to 4,999 kW					2,763,326	4,913,588	7,912,223	12,490,471	28,079,607
Large Use					3,062,531	3,199,748	3,163,905	3,426,183	12,852,367
Total					5,904,668	12,851,074	19,692,018	27,795,080	66,242,840

Waterloo North Hydro Inc.
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Net KW saved from OPA program									
OPA Initiative Name	Program Year	Results Status	Rate Class	Market	2011 kW Saved	2012 kW Saved	2013 kW Saved	2014 kW Saved	Total kW Saved
Appliance Retirement	2011	Final	Residential	Consumer	24.31	24.3	24.3	24.20	97.1
Appliance Exchange	2011	Final	Residential	Consumer	2.36	2.4	2.4	1.06	8.1
HVAC Incentives	2011	Final	Residential	Consumer	349.92	349.9	349.9	349.92	1,399.7
Conservation Instant Coupon Booklet	2011	Final	Residential	Consumer	11.66	11.7	11.7	11.66	46.6
Bi-Annual Retailer Event	2011	Final	Residential	Consumer	17.93	17.9	17.9	17.93	71.7
Residential Demand Response	2011	Final	Residential	Consumer	72.24	-	-	-	72.2
Equipment Replacement Incentive Initiative	2011	Final	<50 kW - 16% >50 kW - 84%	Business	41.17	41.2	41.2	41.17	164.7
Direct Install Lighting	2011	Final	<50 kW	Business	221.42	221.4	221.4	221.42	885.7
Energy Audit	2011	Final	<50 kW	Business	256.29	256.3	249.11	184.53	946.2
Commercial Demand Response	2011	Final	<50 kW	Business	16.27	16.27	16.27	16.27	65.1
Demand Response 3	2011	Final	>50 kW	Business	5.12	-	-	-	5.1
Equipment Replacement Incentive Initiative	2011	Final	>50 kW	Industrial	110.39	-	-	-	110.4
Demand Response 3	2011	Final	>50 kW	Industrial	179.85	179.9	179.9	179.85	719.4
Electricity Retrofit Incentive Program	2011	Final	>50 kW	Industrial	391.88	-	-	-	391.9
High Performance New Construction	2011	Final	<50 kW	Consumer, Business	180.79	180.8	180.8	180.79	723.2
Appliance Retirement	2011	Final	>50 kW	Business	187.08	187.1	187.1	187.08	748.3
Appliance Retirement	2012	Final	Residential	Consumer		14.45	14.45	14.45	43.4
Appliance Exchange	2012	Final	Residential	Consumer		10.78	10.78	10.78	32.4
HVAC Incentives	2012	Final	Residential	Consumer		261.32	261.32	261.32	784.0
Conservation Instant Coupon Booklet	2012	Final	Residential	Consumer		2.31	2.31	2.31	6.9
Bi-Annual Retailer Event	2012	Final	Residential	Consumer		14.83	14.83	14.83	44.5
Retrofit	2012	Final	<50 kW - 9.8% >50 kW - 50.2% Large Use - 40.0%	Business		87.98 451.75 360.74	86.95 446.43 356.49	86.28 443.00 353.75	261.2 1,341.2 1,071.0
Direct Install Lighting	2012	Final	<50 kW	Business		82.23	82.23	82.21	246.7
New Construction	2012	Final	>50 kW	Business		4.66	4.66	4.66	14.0
Energy Audit	2012	Final	<50 kW	Business		42.80	42.80	42.80	128.4
Demand Response 3	2012	Final	>50 kW	Business		111.06	-	-	111.1
Demand Response 3	2012	Final	>50 kW	Industrial		1,259.75	-	-	1,259.8
Home Assistance Program	2012	Final	Residential	Consumer		2.81	2.81	2.81	8.4
High Performance New Construction	2012	Final	>50 kW	Business		21.44	21.44	21.44	64.3
Appliance Retirement	2013	Final	Residential	Consumer			9.67	9.67	19.3
Appliance Exchange	2013	Final	Residential	Consumer			13.05	13.05	26.1
HVAC Incentives	2013	Final	Residential	Consumer			251.03	251.03	502.1
Conservation Instant Coupon Booklet	2013	Final	Residential	Consumer			5.18	5.18	10.4
Bi-Annual Retailer Event	2013	Final	Residential	Consumer			11.86	11.86	23.7
Residential Demand Response	2013	Final	Residential	Consumer			195.75		195.7
Retrofit	2013	Final	<50 kW - 22.4% >50 kW - 73.5% Large Use - 4.1%	Business			167.10 546.97 30.79	166.25 544.19 30.64	333.4 1,091.2 61.4
Direct Install Lighting	2013	Final	<50 kW	Business			114.01	114.01	228.0
New Construction	2013	Final	>50 kW	Business			20.65	20.65	41.3
Energy Audit	2013	Final	<50 kW	Business			308.65	308.65	617.3
Small Commercial Demand Response	2013	Final	<50 kW	Business			6.40		6.4
Demand Response 3	2013	Final	>50 kW	Business			112.64		112.6
Energy Manager	2013	Final	>50 kW	Business			33.09	33.09	66.2
Demand Response 3	2013	Final	>50 kW	Industrial			1,150.81		1,150.8
Home Assistance Program	2013	Final	Residential	Consumer			13.89	13.83	27.7
Appliance Retirement	2014	Final	Residential	Consumer				12.2	12.2
Appliance Exchange	2014	Final	Residential	Consumer				29.4	29.4
HVAC Incentives	2014	Final	Residential	Consumer				296.2	296.2
Conservation Instant Coupon Booklet	2014	Final	Residential	Consumer				42.3	42.3
Bi-Annual Retailer Event	2014	Final	Residential	Consumer				80.6	80.6
Residential Demand Response	2014	Final	Residential	Consumer				365.2	365.2
Retrofit	2014	Final	<50 kW - 13.5% >50 kW - 86.3% Large Use - 2%	Business				108.5 695.4 1.5	108.5 695.4 1.5
Direct Install Lighting	2014	Final	<50 kW	Business				94.3	94.3
New Construction	2014	Final	>50 kW	Business				30.3	30.3
Energy Audit	2014	Final	<50 kW	Business				80.2	80.2
Small Commercial Demand Response	2014	Final	<50 kW	Business				8.4	8.4
Demand Response 3	2014	Final	>50 kW	Business				104.2	104.2
Energy Manager	2014	Final	>50 kW	Business				23.5	23.5
Demand Response 3	2014	Final	>50 kW	Industrial				1,081.1	1,081.1
Home Assistance Program	2014	Final	Residential	Consumer				4.2	4.2
Program Enabled Savings	2014		>50 kW	Business				88.6	88.6
Time-of-Use Savings	2014		Residential	Consumer				650.5	650.5
								-	-
Total					2,068.69	4,217.98	5,820.89	8,075.27	20,182.83
General Service 50 to 4,999 kW (kW)					1,090.6	2,437.0	2,925.0	3,678.4	10,131.1
Large Use kW (kW)						360.7	387.3	385.9	1,133.9

Table 18 - Calculation of LRAMVA

Summary Units Lost	2011 kWh Saved	2012 kWh Saved	2013 kWh Saved	2014 kWh Saved	Total kWh Saved	
Residential (/kWh)	1,339,980	2,221,262	3,175,104	5,643,612	12,379,958	
General Service Less Than 50 kW (/kWh)	1,801,363	2,653,693	5,404,943	6,497,092	16,357,092	
General Service 50 to 4,999 kW (/kW)	13,088	29,244	35,100	44,141	121,574	
Large Use (/kW)	-	4,329	4,647	4,631	13,607	
Rate Class Distribution Volumetric Rates	Eff: Apr 1, 2010	Eff: May 1, 2011	Eff: May 1, 2012	Eff: May 1, 2013	Eff: May 1, 2014	
Residential (/kWh)	0.0131	0.0184	0.0186	0.0187	0.0190	
General Service Less Than 50 kW (/kWh)	0.0104	0.0137	0.0138	0.0139	0.0141	
General Service 50 to 4999 kW (/kW)	3.5420	4.3073	4.4733	4.6141	4.6787	
Large User (/kW)	2.6959	3.1991	3.2337	3.2492	3.2947	
Rate Class Distribution Volumetric Rates (Annualized)	2011	2012	2013	2014		
Residential (/kWh)	0.0166	0.0185	0.0187	0.0189		
General Service Less Than 50 kW (/kWh)	0.0126	0.0138	0.0139	0.0140		
General Service 50 to 4,999 kW (/kW)	4.0522	4.4180	4.5672	4.6572		
Large User	3.0314	3.2222	3.2440	3.2795		
LRAM \$	2011	2012	2013	2014	Total	
Residential (/kWh)	22,288	41,167	59,269	106,664	229,389	
General Service Less Than 50 kW (/kWh)	22,697	36,533	74,949	91,176	225,354	
General Service 50 to 4,999 kW (/kW)	53,034	129,200	160,309	205,574	548,117	
Large User (/kW)	-	13,948	15,076	15,187	44,212	
Total	98,019	220,849	309,602	418,601	1,047,072	
CDM in 2011 Forecast	Unit	2011	2012	2013	2014	
Residential (/kWh)	kWh	2,241,213	2,241,213	2,241,213	2,241,213	
General Service Less Than 50 kW (/kWh)	kWh	1,022,523	1,022,523	1,022,523	1,022,523	
General Service 50 to 4,999 kW (/kW)	kW	6,131	6,131	6,131	6,131	
Large User (/kW)	kW	795	795	795	795	
CDM in 2011 Forecast \$	Unit	2011	2012	2013	2014	Total
Residential (/kWh)	kWh	\$ 37,279	\$ 41,537	\$ 41,836	\$ 42,359	\$ 163,011
General Service Less Than 50 kW (/kWh)	kWh	\$ 12,884	\$ 14,077	\$ 14,179	\$ 14,349	\$ 55,489
General Service 50 to 4,999 kW (/kW)	kW	\$ 24,844	\$ 27,087	\$ 28,001	\$ 28,553	\$ 108,485
Large User (kW)	kW	\$ 2,411	\$ 2,562	\$ 2,580	\$ 2,608	\$ 10,161
Total		\$ 77,417	\$ 85,263	\$ 86,596	\$ 87,869	\$ 337,146
LRAMVA - LRAM \$ vs CDM in 2011 Forecast \$	Unit	2011	2012	2013	2014	Total
Residential (/kWh)	kWh	\$ (14,991)	\$ (370)	\$ 17,433	\$ 64,305	\$ 66,378
General Service Less Than 50 kW (/kWh)	kWh	\$ 9,813	\$ 22,456	\$ 60,770	\$ 76,826	\$ 169,865
General Service 50 to 4,999 kW (/kW)	kW	\$ 28,190	\$ 102,114	\$ 132,308	\$ 177,021	\$ 439,632
Large User (kW)	kW	\$ (2,411)	\$ 11,386	\$ 12,496	\$ 12,579	\$ 34,051
Total		\$ 20,602	\$ 135,586	\$ 223,006	\$ 330,732	\$ 709,926

For the purposes of the settlement of the issues in this proceeding, and subject to the above, the Parties agree that the Applicant's proposals for deferral and variance accounts, including the balances in the existing accounts and their disposition and the continuation of existing accounts, are appropriate.

Eligible Investments for Connection of Qualifying Generation Facilities to be funded by the IESO

WNIH had one qualifying Expansion Generation Facility connected in 2013, allocated in Table 19 below.

Table 19 - Calculation of the Direct Benefit / Provincial Portion of Qualifying Expansion Generation Facility

Expansion Connection Project	\$ 117,320
Direct Benefit - 17%	\$ 19,944
Provincial - 83%	\$ 97,376
Total	\$ 117,320

WNIH recorded the total cost of the project in its Rate Base and recorded the IESO revenue to be received, in the amount of \$9,766, as a Revenue Offset.

IESO Funding for Connection of Qualifying Generation Facilities for Board Approval

The amount of Eligible Investments for Connection of Qualifying Generation Facilities to be funded by the IESO for which WNIH is seeking Board Approval is shown in Table 20 below.

Table 20 - Schedule of IESO Payments Requesting Approval

IESO Payments Requesting Board Approval		
Year	Annual	Monthly
2016	\$ 9,766	\$ 814
2017	\$ 9,499	\$ 792
2018	\$ 9,232	\$ 769
2019	\$ 8,965	\$ 747
2020	\$ 8,698	\$ 725

Appendix 2-FA and 2-FC were filed in response to 9-Staff-149 which provides the calculation of this funding request.

The Parties anticipate that the Board will facilitate the compensation payments from the IESO to WNIH as per O.Reg. 330/09.

Evidence:

Application: Exhibit 1 page 73; Exhibit 2 pages 3-4, 23-24, 52-56, 79-86; Exhibit 4 pages 80-99; Exhibit 9

IRRs: 2-Staff-25; 4-Staff-131, 4.0-VECC-39, 40, 41; 9-Staff-143, 145, 146, 147, 148, 149, 150, 9-Energy Probe-54, 2-E2-1, 9.0-VECC-47

TC Transcript: August 19, 2015 TC Transcript at pages 143-145

Undertaking Responses: JTC1.2, JTC1.22

Appendices to this Settlement Proposal: Appendix E, Appendix F, Appendix G, Appendix H

Supporting Parties: All

Appendix A – WNH 2016 Tariff Sheet

Please see below the Proposed 2016 Tariff Sheet, as revised to reflect this Settlement Proposal.

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2016

**This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors**

EB-2015-0108

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	19.71
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Disposition of Stranded Meter Costs - effective until December 31, 2018	\$	0.58
Distribution Volumetric Rate	\$/kWh	0.0154
Low Voltage Service Rate	\$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0074
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0023
Rate Rider for Tax Change (2015) - effective until April 30, 2016	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kWh	(0.0014)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016 Applicable only for Non RPP Customers	\$/kWh	0.0006
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until December 31, 2016	\$/kWh	0.0016
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until December 31, 2016 Applicable only for Non RPP Customers	\$/kWh	0.0031
Rate rider for Disposition of Accounting Changes Under CGAAP Account 1576 - effective until December 31, 2016	\$/kWh	(0.0016)
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016) - effective until December 31, 2016	\$/kWh	0.0002

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2016

**This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors**

EB-2015-0108

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	31.96
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Disposition of Stranded Meter Costs - effective until December 31, 2018	\$	1.38
Distribution Volumetric Rate	\$/kWh	0.0159
Low Voltage Service Rate	\$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0021
Rate Rider for Tax Change (2015) - effective until April 30, 2016	\$/kWh	(0.00005)
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kWh	(0.0014)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016 Applicable only for Non RPP Customers	\$/kWh	0.0006
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until December 31, 2016	\$/kWh	0.0017
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until December 31, 2016 Applicable only for Non RPP Customers	\$/kWh	0.0031
Rate rider for Disposition of Accounting Changes Under CGAAP Account 1576 - effective until December 31, 2016	\$/kWh	(0.0016)
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016) - effective until December 31, 2016	\$/kWh	0.0009

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

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EB-2015-0108

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service. Note that for the application of the Retail Transmission Rate – Network Service Rate and the Retail Transmission Rate – Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered General Service 50 to 999 kW interval metered General Service 1,000 to 4,999 kW interval metered.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	119.38
Distribution Volumetric Rate	\$/kW	5.0649
Low Voltage Service Rate	\$/kW	0.0738
Retail Transmission Rate - Network Service Rate - (less than 1,000 kW)	\$/kW	2.7741
Retail Transmission Rate - Network Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	2.9465
Retail Transmission Rate - Network Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	2.9427
Retail Transmission Rate - Line and Transformation Connection Service Rate - (less than 1,000 kW)	\$/kW	0.8036
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	1.0037
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	1.0026
Rate Rider for Tax Change (2015) - effective until April 30, 2016	\$/kW	(0.0099)
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016 Applicable only for Non Wholesale Market Participants	\$/kW	(0.6502)
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016 Applicable only for Wholesale Market Participants	\$/kW	(0.1945)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016 Applicable only for Non RPP Customers	\$/kW	0.2675
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until December 31, 2016 Applicable Only for Non Wholesale Market Participants	\$/kW	0.7720
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until December 31, 2016 Applicable only for Non RPP Customers	\$/kW	1.2659
Rate rider for Disposition of Accounting Changes Under CGAAP Account 1576 - effective until December 31, 2016 Applicable only for Non Wholesale Market Participants	\$/kW	(0.6390)
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016) - effective until December 31, 2016	\$/kW	0.2552
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until December 31, 2016 Applicable Only for Wholesale Market Participants	\$/kW	0.1181
Rate rider for Disposition of Accounting Changes Under CGAAP Account 1576 - effective until December 31, 2016 Applicable only for Wholesale Market Participants	\$/kW	(0.8496)

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

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EB-2015-0108

LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	6,975.72
Distribution Volumetric Rate	\$/kW	4.0196
Low Voltage Service Rate	\$/kW	0.0925
Retail Transmission Rate - Network Service Rate	\$/kW	3.2624
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.0072
Rate Rider for Tax Change (2015) - effective until April 30, 2016	\$/kW	(0.0072)
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kW	(0.7541)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until December 31, 2016	\$/kW	1.0507
Rate rider for Disposition of Accounting Changes Under CGAAP Account 1576 - effective until December 31, 2016	\$/kW	(0.8606)
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016) - effective until December 31, 2016	\$/kW	0.2023

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2016

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EB-2015-0108

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.61
Distribution Volumetric Rate	\$/kWh	0.0132
Low Voltage Service Rate	\$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0021
Rate Rider for Tax Change (2015) - effective until April 30, 2016	\$/kWh	(0.0002)
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kWh	(0.0015)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016	\$/kWh	0.0006
2016 Applicable only for Non RPP Customers		
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until December 31, 2016	\$/kWh	0.0016
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until December 31, 2016	\$/kWh	0.0031
2016 Applicable only for Non RPP Customers		
Rate rider for Disposition of Accounting Changes Under CGAAP Account 1576 - effective until December 31, 2016	\$/kWh	(0.0016)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2016

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EB-2015-0108

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	0.33
Distribution Volumetric Rate	\$/kW	9.3754
Low Voltage Service Rate	\$/kW	0.0570
Retail Transmission Rate - Network Service Rate	\$/kW	2.0924
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.6210
Rate Rider for Tax Change (2015) - effective until April 30, 2016	\$/kW	(0.0208)
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kW	(0.5199)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016 Applicable only for Non RPP Customers	\$/kW	0.2139
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until December 31, 2016	\$/kW	0.7019
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until December 31, 2016 Applicable only for Non RPP Customers	\$/kW	1.1196
Rate rider for Disposition of Accounting Changes Under CGAAP Account 1576 - effective until December 31, 2016	\$/kW	(0.5652)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2016

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EB-2015-0108

microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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Waterloo North Hydro Inc.
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EB-2015-0108

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Board that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Distribution Volumetric Rate	\$/kW	0.0200
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kW	(0.5823)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016 Applicable only for Non RPP Customers	\$/kW	0.2396
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until December 31, 2016	\$/kW	0.5306
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until December 31, 2016 Applicable only for Non RPP Customers	\$/kW	1.3679

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES

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ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

Customer Administration

Easement letter	\$	15.00
Notification charge	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Income tax letter	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	185.00
Specific Charge for Access to the Power Poles \$/pole/year	\$	22.35

Waterloo North Hydro Inc.
TARIFF OF RATES AND CHARGES
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EB-2015-0108

RETAIL SERVICE CHARGES (if applicable)

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

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.	0.5000
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.3000
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.3000)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0362
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0147
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0259
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0047

Appendix B – OEB Appendix 2-AB

Please see below for an updated Appendix 2-AB revised to reflect this Settlement Proposal.

OEB Investment Category	Historical Period										Bridge Year	Test Year	Forecast Period					Average	
	2011		2012		2013		2014		2015		2016	2017	2018	2019	2020	2016 - 2020			
	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Budgeted (2)									
System Access	(1)	\$ 5,616,458	(1)	\$ 7,835,847	(1)	\$ 8,667,885	(1)	\$ 5,625,933	(1)	\$ 11,905,668	\$ 11,171,628	\$ 7,520,910	\$ 6,020,046	\$ 5,946,859	\$ 6,085,796	\$ 7,349,048			
System Renewal	(1)	\$ 9,731,967	(1)	\$ 9,253,544	(1)	\$ 7,569,002	(1)	\$ 9,711,737	(1)	\$ 7,101,086	\$ 7,360,065	\$ 10,001,084	\$ 9,438,200	\$ 8,800,764	\$ 8,975,779	\$ 8,915,178			
System Service	(1)	\$ 1,832,799	(1)	\$ 1,649,794	(1)	\$ 1,573,868	(1)	\$ 2,311,676	(1)	\$ 1,571,473	\$ 2,405,950	\$ 1,680,000	\$ 1,725,200	\$ 1,175,404	\$ 1,175,612	\$ 1,632,433			
General Plant	(1)	\$ 29,572,430	(1)	\$ 3,380,268	(1)	\$ 2,140,562	(1)	\$ 2,044,660	(1)	\$ 2,260,750	\$ 1,869,078	\$ 2,813,765	\$ 1,661,176	\$ 1,670,309	\$ 1,649,525	\$ 1,932,771			
Totals		\$ 46,753,654		\$ 22,119,452		\$ 19,951,316		\$ 19,694,006		\$ 22,838,977	\$ 22,806,721	\$ 22,015,759	\$ 18,844,622	\$ 17,593,336	\$ 17,886,713	\$ 19,829,430			
System Operations		\$ 3,567,713		\$ 4,464,684		\$ 6,122,581		\$ 6,246,577		\$ 6,018,379	\$ 5,689,381								
System Maintenance		\$ 1,287,857		\$ 1,266,289		\$ 1,283,983		\$ 1,845,659		\$ 1,607,062	\$ 1,613,140								
Total O&M		\$ 4,855,570		\$ 5,730,973		\$ 7,406,564		\$ 8,092,236		\$ 7,625,441	\$ 7,302,521								

(1) This is Waterloo North Hydro's first Distribution System Plan and as such planned expenditures are not provided.

(2) due to the timing of the Application there are no actual expenditures available for 2015

Appendix C – 2016 Fixed Asset Continuity Schedule

Please see below for an updated 2016 Fixed Asset Continuity Schedule to reflect this Settlement Proposal.

Appendix 2-BA
Fixed Asset Continuity Schedule
Accounting Standard: MIFRS
Year: 2016

Cost							Accumulated Depreciation				
CCA Class	OEB	Description	Opening Balance	Additions	Disposals	Closing Balance	Opening Balance	Additions	Disposals	Closing Balance	Net Book Value
N/A	1805	Land	2,321,684		15,095	2,306,589	0			0	2,306,589
1b	1612	Land Rights	697,180	43,259		740,439	0			0	740,439
1b	1808	Buildings and Fixtures	30,493,333	128,050	35,688	30,585,695	3,962,605	839,579	23,473	4,778,711	25,806,984
13	1810	Leasehold Improvements	0			0	0			0	0
47	1815	Transformer Station Equipment - Normally Primary above	32,702,772	516,518		33,219,290	13,396,067	1,137,573		14,533,640	18,685,650
47	1820	Distribution Station Equipment - Normally Primary below	5,597,083	94,587		5,691,670	3,710,322	137,510		3,847,832	1,843,838
47	1825	Storage Battery Equipment	0			0	0			0	0
47	1830	Poles, Towers and Fixtures	68,420,424	3,611,587		72,032,011	26,053,752	1,176,513		27,230,264	44,801,746
47	1835	Overhead Conductors and Devices	37,985,703	3,319,842		41,305,544	11,439,265	832,160		12,271,425	29,034,120
47	1840	Underground Conduit	19,166,859	1,964,870		21,131,729	8,425,233	280,113		8,705,346	12,426,383
47	1845	Underground Conductors and Devices	44,392,197	5,336,630		49,728,827	20,205,930	1,023,385		21,229,315	28,499,512
47	1850	Line Transformers	57,507,844	4,106,004		61,613,848	24,113,855	1,146,132		25,259,987	36,353,861
47	1855	Services	26,409,533	1,044,553		27,454,086	12,779,915	364,147		13,144,063	14,310,024
8	1860	Meters	13,677,132	644,367		14,321,499	5,172,592	861,031		6,033,622	8,287,877
N/A	1865	Other Installations on Customer's Premises	0			0	0			0	0
N/A	1905	Land	0			0	0			0	0
CEC	1906	Land Rights	0			0	0			0	0
47	1908	Buildings and Fixtures	0			0	0			0	0
13	1910	Leasehold Improvements	0			0	0			0	0
8	1915	Office Furniture and Equipment	1,577,130	7,000		1,584,130	1,016,580	106,957		1,123,536	460,593
45/50	1920	Computer Equipment - Hardware	4,234,789	108,650		4,343,439	3,917,361	132,136		4,049,497	293,943
12/50	1611	Computer Software	6,823,715	871,760		7,695,475	5,793,849	476,948		6,270,797	1,424,678
10	1930	Transportation Equipment	9,126,170	619,409	316,071	9,429,508	5,472,270	589,154	305,084	5,756,340	3,673,169
8	1935	Stores Equipment	542,506			542,506	334,631	46,942		381,573	160,933
8	1940	Tools, Shop and Garage Equipment	1,447,361	77,000		1,524,361	1,131,371	117,919		1,249,290	275,072
8	1945	Measurement and Testing Equipment	941,204	15,000		956,204	822,680	44,963		867,642	88,562
8	1950	Power Operated Equipment	0			0	0			0	0
8	1955	Communication Equipment	944,263			944,263	607,835	92,368		700,203	244,060
8	1960	Miscellaneous Equipment	2,621,400	32,000		2,653,400	1,713,374	242,943		1,956,317	697,083
47	1970	Load Management Controls - Customer Premises	0			0	0			0	0
47	1975	Load Management Controls - Utility Premises	0			0	0			0	0
8	1980	System Supervisory Equipment	4,964,601	265,636		5,230,237	2,923,239	210,279		3,133,518	2,096,718
47	1985	Sentinel Lighting Rentals	0			0	0			0	0
47	1990	Other Tangible Property	0			0	0			0	0
47	1995	Contributions and Grants	(33,424,664)			(33,424,664)	(10,527,550)	(778,853)		(11,306,403)	(22,118,261)
2005		Property under Capital Lease	0			0	0			0	0
47	2440	Deferred Revenue - Contributed Capital	(6,288,938)	(6,372,309)		(12,661,248)	(164,469)	(248,033)		(412,501)	(12,248,746)
		Total before Work in Process	332,881,281	16,434,411	366,854	348,948,838	142,300,708	8,831,862	328,557	150,804,014	198,144,825
WIP	2070	Other utility plant	0			0				0	0
WIP	2055	Work in Process	1,704,604	1,703,555	1,704,604	1,703,555	0			0	1,703,555
WIP	2040	Electric Plant Held for Future Use	834,656			834,656					834,656
		Total after Work in Process	335,420,541	18,137,966	2,071,458	351,487,049	142,300,708	8,831,862	328,557	150,804,014	200,683,036

Less: Fully Allocated Depreciation	
Transportation	589,154
Truck Tools	117,919
Stores	46,942
Net Depreciation	8,077,849

Appendix D – Bill Impacts

Please see below for updated Bill Impacts to reflect this Settlement Proposal.

Rate Class	kWh	kW	# of Connections	2015 Bill \$	2016 Bill \$	\$ Difference	Total Bill Impact %	Distribution Bill Impact % *	Distribution Bill Impact % **
Residential Time-of-Use	100			32.89	35.49	2.60	7.91%	12.77%	12.76%
	250			54.23	56.19	1.96	3.62%	7.59%	8.51%
	500			89.78	90.69	0.90	1.01%	1.40%	3.55%
	800			132.46	132.09	(0.37)	-0.28%	-3.64%	-0.41%
	1,000			160.91	159.69	(1.21)	-0.75%	-6.11%	-2.32%
	1,500			232.03	228.69	(3.34)	-1.44%	-10.50%	-5.68%
	2,000			303.16	297.69	(5.47)	-1.80%	-13.38%	-7.86%
GS < 50 kW Time-of-Use	1,000			175.53	173.39	(2.14)	-1.22%	-6.24%	-3.32%
	2,000			311.89	311.82	(0.07)	-0.02%	-3.53%	0.66%
	5,000			720.97	727.11	6.14	0.85%	0.34%	6.04%
	10,000			1,402.78	1,419.25	16.47	1.17%	2.71%	9.16%
	15,000			2,084.58	2,111.38	26.80	1.29%	3.73%	10.48%
GS 50-4,999 kW	20,000	60		3,368.95	3,488.74	119.78	3.56%	-0.87%	23.90%
	40,000	100		6,420.55	6,616.79	196.24	3.06%	-0.99%	25.23%
	100,000	250		15,848.61	16,339.20	490.59	3.10%	-1.12%	28.00%
	200,000	500		31,562.05	32,543.23	981.18	3.11%	-1.18%	29.06%
	400,000	1,000		60,412.51	62,374.87	1,962.36	3.25%	-1.20%	29.62%
Large Use	8,000,000	14,500		1,163,016.08	1,179,364.98	16,348.90	1.41%	0.62%	32.26%
USL	150		1	43.19	35.89	(7.30)	-16.91%	-34.92%	-33.20%
Street Lighting	150	1	1	33.43	35.51	2.08	6.23%	1.41%	20.42%
	50	0.14	1	9.14	9.42	0.28	3.03%	1.15%	14.89%
Embedded Distributor	2,615,000	6,000		337,870.45	350,697.10	12,826.65	3.80%	58.73%	1750.28%

* Excludes Pass Through Items

** Includes Pass Through Items

Appendix E – OEB Appendix 2-EC, Account 1576

Please see below for an updated OEB Appendix 2-EC, Account 1576, to reflect this Settlement Proposal.

Appendix 2-EC Account 1576 - Accounting Changes under CGAAP 2013 Changes in Accounting Policies under CGAAP

For applicants that made capitalization and depreciation expense accounting policy changes under CGAAP effective January 1, 2013

Reporting Basis	Rebasing Year	2011	2012	2013	2014	2015	2016 Rebasing Year
	CGAAP	IRM	IRM	IRM	IRM	MIFRS	MIFRS
	Forecast	Actual	Actual	Actual	Actual	Forecast	Forecast
				\$	\$	\$	\$
PP&E Values under former CGAAP							
Opening net PP&E - Note 1				164,787,950	173,961,321	181,552,703	
Net Additions - Note 4				20,339,324	13,206,059	18,222,841	
Net Depreciation (amounts should be negative) - Note 3				(11,165,953)	(5,614,676)	(11,366,992)	
Closing net PP&E (1)				173,961,321	181,552,703	188,408,552	
PP&E Values under revised CGAAP (Starts from 2013)							
Opening net PP&E - Note 1				164,787,950	174,590,342	183,020,607	
Net Additions - Note 4				17,881,164	11,001,407	15,907,904	
Net Depreciation (amounts should be negative) - Note 3				(8,078,771)	(2,571,143)	(8,345,826)	
Closing net PP&E (2)				174,590,342	183,020,607	190,582,685	
Difference in Closing net PP&E, former CGAAP vs. revised CGAAP				(629,021)	(1,467,904)	(2,174,132)	
Effect on Deferral and Variance Account Rate Riders							
Closing balance in Account 1576						(2,174,132)	
Return on Rate Base Associated with Account 1576 balance at WACC - Note 2						(88,416)	
Amount included in Deferral and Variance Account Rate Rider Calculation						(2,262,548)	

WACC	6.02%
# of years of rate rider disposition period	1

Appendix F – Draft Accounting Order – Wireless and Wireline

Please see below for a Draft Accounting Order - Wireless, to reflect this Settlement Proposal.

Accounting Order Requested – 1508 Other Regulatory Asset – Sub-account Wireless and Wireline

WNH requests a new variance account 1508 Other Regulatory Asset – Sub-account Wireless and Wireline Attachments, in relation to the creation of a variance account to record two items: 1) the net (less any related costs) incremental revenues received from any wireless attachments during the IRM period; and 2) any changes in revenue received due to any change in the currently regulated wireline attachment rate of \$22.35 per attachment per pole per year. For clarity, this is a symmetrical account that reflects changes to the rate rather than change in number of wireline attachments.

The Boards *Filing Requirements* indicate that in the event an applicant seeks an accounting order to establish a new deferral/variance account, the eligibility criteria must be met, including causation, materiality and prudence. The eligibility criteria has been met.

In the absence of a general variance account for this purpose, WNH requests that the Board approve an Accounting Order for WNH as part of this settlement, and that such an Accounting Order include the following:

- 1) The net (less any related costs) incremental revenues received from any wireless attachments during the IRM period. These incremental revenues will be recorded as follows:

Accounting Entry:

Debit - Account 4210, Rent from Electric Property

Credit - Account 1508, Other Regulatory Asset – Sub-account Wireless and Wireline

- 2) Any changes in revenue received due to any change in the currently regulated wireline attachment rate of \$22.35 per attachment per pole per year;

Accounting Entry:

Debit/Credit - Account 4210, Rent from Electric Property

Credit/Debit - Account 1508, Other Regulatory Asset – Sub-account Wireless and Wireline

- 3) The account is symmetrical that reflects changes to the rate rather than change in number of wireline attachments;
- 4) The balance in the variance account is to be disposed of at WNH's next Cost of Service Filing; and

- 5) Carrying charges, at the Board's Prescribed Interest Rate for Deferral and Variance Accounts, would be applied until final disposition.

Appendix G – Draft Accounting Order – MS Disposition

Please see below for a Draft Accounting Order – MS Disposition, to reflect this Settlement Proposal.

Accounting Order Requested – 1508 Other Regulatory Asset – Sub-account MS Disposition

WNH requests a new deferral/variance account 1508 Other Regulatory Asset – Sub-account MS Disposition, in relation creation of a variance account to capture net gains and losses on disposition of various Municipal Station properties inclusive of remediation costs and taxes. Upon disposition, the balance of this account will be distributed with 75% to ratepayers and 25% to WNH. For clarity, this account is not symmetrical in that the Parties agree ratepayers will not owe a credit to WNH if this account is in a net loss scenario at the time of disposition. The balance in the variance account is to be disposed of at WNH's next Cost of Service Filing

The Boards *Filing Requirements* indicate that in the event an applicant seeks an accounting order to establish a new deferral/variance account, the eligibility criteria must be met, including causation, materiality and prudence. The eligibility criteria has been met.

In the absence of a general variance account for this purpose, WNH requests that the Board approve an Accounting Order for WNH as part of this settlement, and that such an Accounting Order include the following:

- 1) The net gains and losses on disposition of various Municipal Station properties inclusive of remediation costs;

Accounting Entry:

Debit/Credit - Account 4355/4360, Gain/Loss on Disposition of Utility and Other Property

Debit/Credit - Account 1508, Other Regulatory Asset – MS Disposition

- 2) Upon disposition, the balance of this account will be distributed with 75% to ratepayers and 25% to WNH;
- 3) The account is not symmetrical in that the Parties agree ratepayers will not owe a credit to WNH if this account is in a net loss scenario at the time of disposition;
- 4) The balance in the variance account is to be disposed of at WNH's next Cost of Service Filing; and
- 5) Carrying charges, at the Board's Prescribed Interest Rate for Deferral and Variance Accounts, would be applied until final disposition.

Appendix H – Draft Accounting Order – OPEB

Please see below for a Draft Accounting Order – OPEB Disposition, to reflect this Settlement Proposal.

Accounting Order Requested – 1508 Other Regulatory Asset – Sub-account OPEB

WNH requests a new deferral/variance account 1508 Other Regulatory Asset – Sub-account OPEB, for the purpose of recording the difference in revenue requirement each year, starting in the test year, between both the capitalized and OM&A components of OPEBs accounted for using a cost basis (as to be reflected in rates if this settlement is accepted by the Board) and both capitalized and OM&A components of OPEBs accounted for using an accrual basis together with related PILs adjustments. This account will accrue interest until final disposition. If the Board determines that LDCs must only include in rates OPEBs accounted for using a cash basis, WNH will seek to discontinue this account without seeking disposition of the amounts recorded in this account. If the Board determines that LDCs may recover OPEBs in rates using an accrual accounting methodology, the Parties agree that WNH will be permitted to seek disposition of this account to recover the amounts so recorded in its next Rate Application following the Board's Decision. WNH will propose a disposition period over which the account should be recovered depending on the quantum in the account and the potential rate impacts at the time.

The Boards *Filing Requirements* indicate that in the event an applicant seeks an accounting order to establish a new deferral/variance account, the eligibility criteria must be met, including causation, materiality and prudence. The eligibility criteria has been met.

In the absence of a general variance account for this purpose, WNH requests that the Board approve an Accounting Order for WNH as part of this settlement, and that such an Accounting Order include the following:

- 1) The recording the difference in revenue requirement each year, starting in the test year, between both the capitalized and OM&A components of OPEBs accounted for using a cost basis (as to be reflected in rates if this settlement is accepted by the Board) and both capitalized and OM&A components of OPEBs accounted for using an accrual basis together with related PILs adjustments;

Accounting Entry:

Debit - Account 1508, Other Regulatory Asset – Sub-account
Credit – Account 5645, Employee Pensions and Benefits

- 2) If the Board determines that LDCs must only include in rates OPEBs accounted for using a cash basis, WNH will seek to discontinue this account without seeking disposition of the amounts recorded in this account;

- 3) If the Board determines that LDCs may recover OPEBs in rates using an accrual accounting methodology, the Parties agree that WNH will be permitted to seek disposition of this account to recover the amounts so recorded in its next Rate Application following the Board's Decision. WNH will propose a disposition period over which the account should be recovered depending on the quantum in the account and the potential rate impacts at the time; and
- 4) Carrying charges, at the Board's Prescribed Interest Rate for Deferral and Variance Accounts, would be applied until final disposition.

Appendix I - OPA/IESO Final 2011-2014 CDM Results

Please see attached.



saveONenergy™

Message from the Vice President:

The IESO is pleased to provide the enclosed 2011-2014 Final Results Report. This report is designed to help populate LDC Annual Reports that will be submitted to the Ontario Energy Board (OEB) in September 2015.

2011-2014 Conservation Framework Highlights:

- LDCs have made significant achievements against dual energy and peak demand savings targets. Collectively, the LDCs have achieved 109% of the energy target and 70% of the peak demand target.
- Momentum has built as we transition to the Conservation First Framework. 2014 demonstrated an achievement of over 1 TWh of net incremental energy savings, positioning us well for average net incremental energy savings of 1.2 TWh required in the new framework to meet our 2020 CDM targets.
- Throughout the past framework, program results have become more predictable year over year as noted in the increasingly smaller variance between quarterly preliminary results and verified final results.
- Customer engagement continued to increase in both the Consumer and Business Programs. Between 2011 - 2014 consumers have purchased over 10 million energy efficient products through the saveONenergy COUPONS program. Customers in RETROFIT continue to declare a positive experience participating in the program with 86% likely to recommend.
- saveONenergy has seen a steady and significant increase in unaided brand awareness by 33% from 2011-2014
- Conservation is becoming even more cost-effective as programs become more efficient and effective. 2014 proved early investments in long lead time projects will pay off with the high savings now being realized in programs like PROCESS & SYSTEMS and RETROFIT. Within 4 cents per kWh, Conservation programs continue to be a valuable and cost effective resource for customers across the province.

The 2011-2014 Final Results within this report vary from the Draft 2011-2014 Final Results Report for the following reasons:

- Savings from Time of Use pricing are included in the Final Results Report. Overall the province saved 55 MWs from Time-of-Use pricing in 2014, or 0.73% of residential summer peak demand.
- Between August 4th and August 28th, the IESO and LDCs have worked collaboratively to reconcile projects from 2011-2014 Final Results Report to ensure every eligible project was captured and accurately reported.
- Verified savings from Innovation Fund pilots are also included for participating LDCs.

All results will be considered final for the 2011-2014 Conservation Framework. Any additional program activity not captured in the 2011-2014 Final Results Report will not be included as part of a future adjustment process.

Please continue to monitor saveONenergy E-blasts for future updates and should you have any other questions or comments please contact LDC.Support@ieso.ca.

We appreciate your collaboration and cooperation throughout the reporting and evaluation process and we look forward to the success ahead in the Conservation First Framework.

Sincerely,

Terry Young

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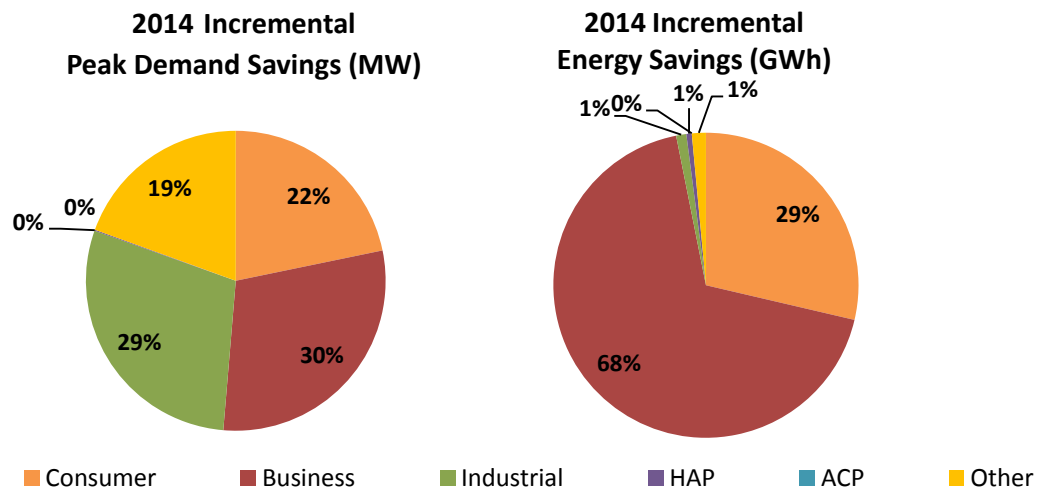
IESO-Contracted Province-Wide CDM Programs: 2011-2014 Final Results Report

LDC: Waterloo North Hydro Inc.

Final 2014 Achievement Against Targets	2014 Incremental	2011-2014 Achievement Against Target	% of Target Achieved
Net Annual Peak Demand Savings (MW)	4.2	8.1	51.1%
Net Energy Savings (GWh)	9.9	66.2	99.6%

Unless otherwise noted, results are presented using scenario 1 which assumes that demand response resources have a persistence of 1 year

Achievement by Sector



Comparison: LDC Achievement vs. LDC Community Achievement (Progress to Target)

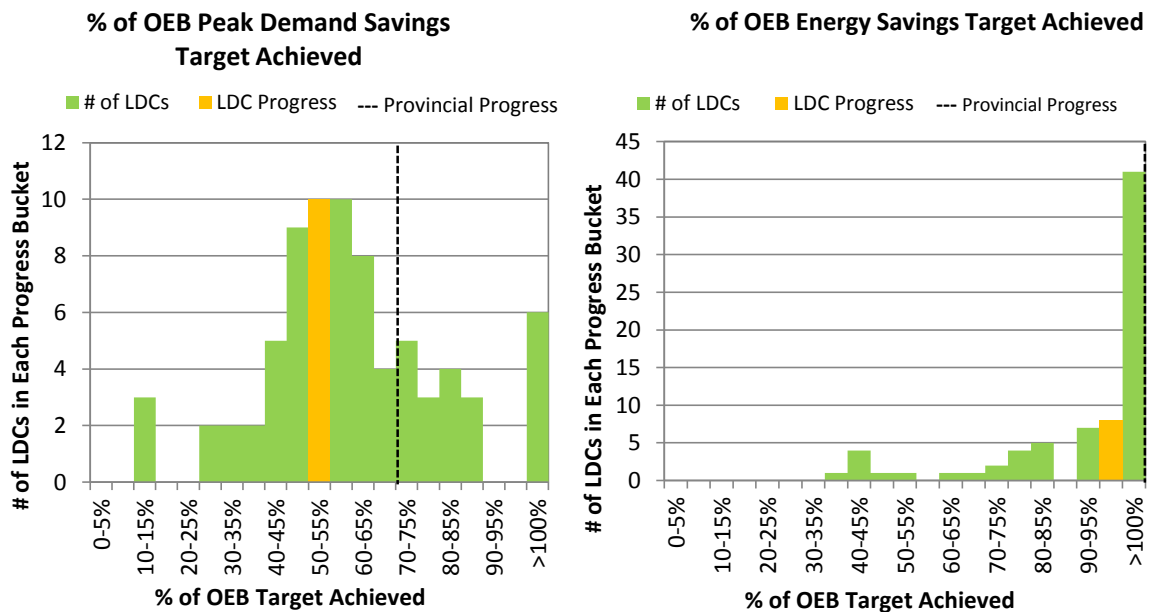


Table 1: Waterloo North Hydro Inc. Initiative and Program Level Net Savings by Year

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011*	2012*	2013*	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
Consumer Program															
Appliance Retirement	Appliances	433	246	148	182	24	14	10	12	180,566	99,292	63,885	80,001	60	1,227,809
Appliance Exchange	Appliances	22	75	63	142	2	11	13	29	3,051	18,832	23,275	52,460	54	166,552
HVAC Incentives	Equipment	1,199	1,155	1,196	1,521	417	255	240	296	773,162	439,314	409,133	544,462	1,209	5,773,317
Conservation Instant Coupon Booklet	Items	5,070	309	3,486	18,825	12	2	5	42	186,550	14,008	77,221	515,369	61	1,458,036
Bi-Annual Retailer Event	Items	9,539	10,629	9,465	48,338	17	15	12	81	294,427	268,321	172,122	1,231,340	124	3,558,254
Retailer Co-op	Items	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Residential Demand Response	Devices	129	0	511	1,031	72	0	196	365	0	0	652	0	365	652
Residential Demand Response (IHD)	Devices	0	0	381	853	0	0	0	0	0	0	0	0	0	0
Residential New Construction	Homes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Program Total						544	298	476	826	1,437,756	839,767	746,287	2,423,632	1,874	12,184,620
Business Program															
Retrofit	Projects	40	63	155	134	263	762	557	805	1,433,122	4,566,653	3,060,859	4,881,353	2,369	30,341,738
Direct Install Lighting	Projects	225	106	114	114	248	82	114	94	617,168	307,810	408,878	349,433	466	4,348,246
Building Commissioning	Buildings	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Construction	Buildings	0	2	3	4	0	4	1	30	0	3,763	1,047	147,947	35	161,329
Energy Audit	Audits	3	8	35	6	0	36	282	80	0	176,234	1,550,425	391,641	398	4,021,192
Small Commercial Demand Response	Devices	8	0	10	15	5	0	6	8	0	0	10	0	8	10
Small Commercial Demand Response (IHD)	Devices	0	0	2	3	0	0	0	0	0	0	0	0	0	0
Demand Response 3	Facilities	3	3	3	3	111	111	113	104	4,323	1,614	1,504	0	104	7,442
Business Program Total						626	996	1,073	1,123	2,054,613	5,056,074	5,022,723	5,770,374	3,381	38,879,957
Industrial Program															
Process & System Upgrades	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring & Targeting	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Manager	Projects	0	0	1	17	0	0	0	24	0	0	0	91,627	24	91,627
Retrofit	Projects	11	0	0	0	180	0	0	0	1,128,878	0	0	0	180	4,515,511
Demand Response 3	Facilities	4	7	6	10	392	1,260	1,151	1,081	23,003	30,360	30,917	0	1,081	84,279
Industrial Program Total						572	1,260	1,151	1,105	1,151,881	30,360	30,917	91,627	1,284	4,691,417
Home Assistance Program															
Home Assistance Program	Homes	0	40	420	124	0	2	12	4	0	26,655	170,106	48,046	18	467,034
Home Assistance Program Total						0	2	12	4	0	26,655	170,106	48,046	18	467,034
Aboriginal Program															
Home Assistance Program	Homes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Direct Install Lighting	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aboriginal Program Total						0	0	0	0	0	0	0	0	0	0
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	28	0	0	0	181	0	0	0	913,663	0	0	0	181	3,654,650
High Performance New Construction	Projects	6	1	0	0	182	21	0	0	932,887	105,383	0	0	203	4,047,698
Toronto Comprehensive	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Multifamily Energy Efficiency Rebates	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC Custom Programs	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pre-2011 Programs completed in 2011 Total						362	21	0	0	1,846,550	105,383	0	0	384	7,702,349
Other															
Program Enabled Savings	Projects	0	0	0	3	0	0	0	89	0	0	0	125,622	89	125,622
Time-of-Use Savings	Homes	0	0	0	n/a	0	0	0	651	0	0	0	0	651	0
LDC Pilots	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Total						0	0	0	739	0	0	0	125,622	739	125,622
Adjustments to 2011 Verified Results															
Adjustments to 2012 Verified Results															
Adjustments to 2013 Verified Results															
Energy Efficiency Total						1,524	1,206	1,246	2,238	6,463,473	6,026,264	5,936,950	8,459,300	6,122	63,958,615
Demand Response Total (Scenario 1)						580	1,371	1,466	1,559	27,327	31,974	33,083	0	1,559	92,384
Adjustments to Previous Years' Verified Results Total						0	-36	66	365	0	-589,797	387,881	1,424,149	393	2,191,842
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						2,104	2,541	2,777	4,161	6,490,800	5,468,441	6,357,914	9,883,449	8,074	66,242,840
Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).														Full OEB Target:	
*Includes adjustments after Final Reports were issued														15,790	
Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year														66,490,000	
% of Full OEB Target Achieved to Date (Scenario 1):														51.1%	
														99.6%	

Table 2: Adjustments to Waterloo North Hydro Inc. Net Verified Results due to Variances

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011*	2012*	2013*	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
Consumer Program															
Appliance Retirement	Appliances	0	0	0		0	0	0		0	0	0		0	0
Appliance Exchange	Appliances	0	0	0		0	0	0		0	0	0		0	0
HVAC Incentives	Equipment	-239	29	49		-67	6	11		-122,413	11,623	18,614		-50	-417,558
Conservation Instant Coupon Booklet	Items	82	0	11		0	0	0		2,762	0	236		0	11,519
Bi-Annual Retailer Event	Items	820	0	0		1	0	0		21,875	0	0		1	87,500
Retailer Co-op	Items	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential New Construction	Homes	0	0	0		0	0	0		0	0	0		0	0
Consumer Program Total						-66	6	11		-97,777	11,623	18,850		-49	-318,540
Business Program															
Retrofit	Projects	0	10	22		0	138	188		0	867,127	641,866		323	3,875,167
Direct Install Lighting	Projects	11	0	0		9	0	0		18,673	0	0		7	68,824
Building Commissioning	Buildings	0	0	0		0	0	0		0	0	0		0	0
New Construction	Buildings	0	1	2		0	1	20		0	1,498	7,792		21	20,079
Energy Audit	Audits	3	1	3		16	7	27		79,195	32,009	146,477		49	705,760
Small Commercial Demand Response	Devices	0	0	0		0	0	0		0	0	0		0	0
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	0	0	0		0	0	0		0	0	0		0	0
Business Program Total						25	146	235		97,868	900,633	796,135		401	4,669,830
Industrial Program															
Process & System Upgrades	Projects	0	0	0		0	0	0		0	0	0		0	0
Monitoring & Targeting	Projects	0	0	0		0	0	0		0	0	0		0	0
Energy Manager	Projects	0	0	1		0	0	33		0	0	69,300		33	138,600
Retrofit	Projects	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	0	0	0		0	0	0		0	0	0		0	0
Industrial Program Total						0	0	33		0	0	69,300		33	138,600
Home Assistance Program															
Home Assistance Program	Homes	0	3	21		0	1	2		0	3,238	18,599		2	46,843
Home Assistance Program Total						0	1	2		0	3,238	18,599		2	46,843
Aboriginal Program															
Home Assistance Program	Homes	0	0	0		0	0	0		0	0	0		0	0
Direct Install Lighting	Projects	0	0	0		0	0	0		0	0	0		0	0
Aboriginal Program Total						0	0	0		0	0	0		0	0
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	0	0	0		0	0	0		0	0	0		0	0
High Performance New Construction	Projects	1	0	0		5	0	0		-586,223	0	0		5	-2,344,891
Toronto Comprehensive	Projects	0	0	0		0	0	0		0	0	0		0	0
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0		0	0	0		0	0
LDC Custom Programs	Projects	0	0	0		0	0	0		0	0	0		0	0
Pre-2011 Programs completed in 2011 Total						5	0	0		-586,223	0	0		5	-2,344,891
Other															
Program Enabled Savings	Projects	0	0	0		0	0	0		0	0	0		0	0
Time-of-Use Savings	Homes	0	0	0		0	0	0		0	0	0		0	0
LDC Pilots	Projects	0	0	0		0	0	0		0	0	0		0	0
Other Total						0	0	0		0	0	0		0	0
Adjustments to 2011 Verified Results						-35				-586,131				-37	-2,350,395
Adjustments to 2012 Verified Results							152				915,494			152	2,746,451
Adjustments to 2013 Verified Results								280				902,884		277	1,795,785
Total Adjustments to Previous Years' Verified Results						-35	152	280		-586,131	915,494	902,884		393	2,191,842

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as the information presented above is presented in the implementation year. Adjustments in Table 1 reflect persisted savings in the year in which that adjustment is verified.

Table 3: Waterloo North Hydro Inc. Realization Rate & NTG

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program																
Appliance Retirement	1.00	1.00	n/a	n/a	0.51	0.46	0.42	0.42	1.00	1.00	n/a	n/a	0.52	0.47	0.44	0.44
Appliance Exchange	1.00	1.00	1.00	1.00	0.52	0.52	0.53	0.53	1.00	1.00	1.00	1.00	0.52	0.52	0.53	0.53
HVAC Incentives	1.00	1.00	n/a	1.00	0.60	0.50	0.48	0.51	1.00	1.00	n/a	1.00	0.60	0.49	0.48	0.51
Conservation Instant Coupon Booklet	1.00	1.00	1.00	1.00	1.14	1.00	1.11	1.34	1.00	1.00	1.00	1.00	1.11	1.05	1.13	1.39
Bi-Annual Retailer Event	1.00	1.00	1.00	1.00	1.13	0.91	1.04	1.74	1.00	1.00	1.00	1.00	1.10	0.92	1.04	1.75
Retailer Co-op	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential Demand Response	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential Demand Response (IHD)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential New Construction	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Business Program																
Retrofit	0.97	0.94	0.91	0.85	0.71	0.71	0.70	0.70	1.16	1.00	0.96	0.93	0.74	0.70	0.71	0.70
Direct Install Lighting	1.08	0.68	0.81	0.78	0.93	0.94	0.94	0.94	0.90	0.85	0.84	0.83	0.93	0.94	0.94	0.94
Building Commissioning	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
New Construction	n/a	0.96	0.47	0.78	n/a	0.49	0.54	0.54	n/a	1.11	0.81	0.92	n/a	0.49	0.54	0.54
Energy Audit	n/a	n/a	1.02	0.96	n/a	n/a	0.66	0.68	n/a	n/a	0.97	1.00	n/a	n/a	0.66	0.67
Small Commercial Demand Response	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Small Commercial Demand Response (IHD)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Demand Response 3	0.76	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Industrial Program																
Process & System Upgrades	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Monitoring & Targeting	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Energy Manager	n/a	n/a	n/a	0.91	n/a	n/a	n/a	0.90	n/a	n/a	n/a	0.96	n/a	n/a	n/a	0.90
Retrofit																
Demand Response 3	0.84	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Home Assistance Program																
Home Assistance Program	n/a	1.15	0.93	0.95	n/a	1.00	1.00	1.00	n/a	1.03	0.86	0.74	n/a	1.00	1.00	1.00
Aboriginal Program																
Home Assistance Program	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Direct Install Lighting	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Pre-2011 Programs completed in 2011																
Electricity Retrofit Incentive Program	0.78	n/a	n/a	n/a	0.52	n/a	n/a	n/a	0.78	n/a	n/a	n/a	0.53	n/a	n/a	n/a
High Performance New Construction	1.00	1.00	1.00	1.00	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00	0.50	0.50	0.50	0.50
Toronto Comprehensive	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Multifamily Energy Efficiency Rebates	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LDC Custom Programs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other																
Program Enabled Savings	n/a	n/a	n/a	0.90	n/a	n/a	n/a	1.00	n/a	n/a	n/a	0.94	n/a	n/a	n/a	1.00
Time-of-Use Savings	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LDC Pilots	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Summary Achievement Against CDM Targets

Results are recognized using current IESO reporting policies. Energy efficiency resources persist for the duration of the effective useful life. Any upcoming code changes are taken into account. Demand response resources persist for 1 year (Scenario 1). Please see methodology tab for more detailed information.

Table 4: Net Peak Demand Savings at the End User Level (MW) (Scenario 1)

Implementation Period	Annual			
	2011	2012	2013	2014
2011 - Verified	2.1	1.5	1.5	1.5
2012 - Verified†	0.0	2.5	1.2	1.2
2013 - Verified†	0.0	0.1	2.8	1.3
2014 - Verified†	0.0	0.1	0.4	4.2
Verified Net Annual Peak Demand Savings Persisting in 2014:				8.1
Waterloo North Hydro Inc. 2014 Annual CDM Capacity Target:				15.8
Verified Portion of Peak Demand Savings Target Achieved in 2014 (%):				51.1%

Table 5: Net Energy Savings at the End User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	6.5	6.5	6.4	6.3	25.7
2012 - Verified†	-0.6	5.5	5.4	5.4	15.7
2013 - Verified†	0.0	0.4	6.4	6.3	13.1
2014 - Verified†	0.0	0.5	1.43	9.9	11.9
Verified Net Cumulative Energy Savings 2011-2014:					66.2
Waterloo North Hydro Inc. 2011-2014 Annual CDM Energy Target:					66.5
Verified Portion of Cumulative Energy Target Achieved in 2014 (%):					99.6%

†Includes adjustments to previous years' verified results

Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year

Table 6: Province-Wide Initiatives and Program Level Net Savings by Year (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011*	2012*	2013*	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
Consumer Program															
Appliance Retirement	Appliances	56,110	34,146	20,952	22,563	3,299	2,011	1,433	1,617	23,005,812	13,424,518	8,713,107	9,497,343	8,221	159,100,415
Appliance Exchange	Appliances	3,688	3,836	5,337	5,685	371	556	1,106	1,178	450,187	974,621	1,971,701	2,100,266	2,973	10,556,192
HVAC Incentives	Equipment	92,748	87,540	96,286	113,002	32,037	19,060	19,552	23,106	59,437,670	32,841,283	33,923,592	42,888,217	93,755	447,009,930
Conservation Instant Coupon Booklet	Items	567,678	30,891	347,946	1,208,108	1,344	230	517	2,440	21,211,537	1,398,202	7,707,573	32,802,537	4,531	137,258,436
Bi-Annual Retailer Event	Items	952,149	1,060,901	944,772	4,824,751	1,681	1,480	1,184	8,043	29,387,468	26,781,674	17,179,841	122,902,769	12,389	355,157,348
Retailer Co-op	Items	152	0	0	0	0	0	0	0	2,652	0	0	0	0	10,607
Residential Demand Response	Devices	19,550	98,388	171,733	241,381	10,947	49,038	93,076	117,513	24,870	359,408	390,303	8,379	117,513	782,960
Residential Demand Response (IHD)	Devices	0	49,689	133,657	188,577	0	0	0	0	0	0	0	0	0	0
Residential New Construction	Homes	27	21	279	2,367	0	2	18	369	743	17,152	163,690	2,330,865	390	2,712,676
Consumer Program Total						49,681	72,377	116,886	154,267	133,520,941	75,796,859	70,049,807	212,530,376	239,772	1,112,588,565
Business Program															
Retrofit	Projects	2,828	6,481	9,746	10,925	24,467	61,147	59,678	70,662	136,002,258	314,922,468	345,346,008	462,903,521	213,493	2,631,401,223
Direct Install Lighting	Projects	20,741	18,691	17,833	23,784	23,724	15,284	18,708	23,419	61,076,701	57,345,798	64,315,558	84,503,302	73,304	604,196,658
Building Commissioning	Buildings	0	0	0	5	0	0	0	988	0	0	0	1,513,377	988	1,513,377
New Construction	Buildings	25	98	158	226	123	764	1,584	6,432	411,717	1,814,721	4,959,266	20,381,204	8,904	37,390,767
Energy Audit	Audits	222	357	589	473	0	1,450	2,811	6,323	0	7,049,351	15,455,795	30,874,399	10,583	82,934,042
Small Commercial Demand Response	Devices	132	294	1,211	3,652	84	187	773	2,116	157	1,068	373	319	2,116	1,916
Small Commercial Demand Response (IHD)	Devices	0	0	378	820	0	0	0	0	0	0	0	0	0	0
Demand Response 3	Facilities	145	151	175	180	16,218	19,389	23,706	23,380	633,421	281,823	346,659	0	23,380	1,261,903
Business Program Total						64,617	98,221	107,261	133,319	198,124,253	381,415,230	430,423,659	600,176,121	332,769	3,358,699,887
Industrial Program															
Process & System Upgrades	Projects	0	0	5	10	0	0	294	9,692	0	0	2,603,764	72,053,255	9,986	77,260,782
Monitoring & Targeting	Projects	0	1	3	5	0	0	0	102	0	0	0	502,517	102	502,517
Energy Manager	Projects	1	132	306	379	0	1,086	3,558	5,191	0	7,372,108	21,994,263	40,436,427	8,384	95,324,998
Retrofit	Projects	433	0	0	0	4,615	0	0	0	28,866,840	0	0	0	4,613	115,462,282
Demand Response 3	Facilities	124	185	281	336	52,484	74,056	162,543	166,082	3,080,737	1,784,712	4,309,160	0	166,082	9,174,609
Industrial Program Total						57,098	75,141	166,395	181,066	31,947,577	9,156,820	28,907,187	112,992,199	189,168	297,725,188
Home Assistance Program															
Home Assistance Program	Homes	46	5,920	29,654	25,424	2	566	2,361	2,466	39,283	5,442,232	20,987,275	19,582,658	5,370	77,532,571
Home Assistance Program Total						2	566	2,361	2,466	39,283	5,442,232	20,987,275	19,582,658	5,370	77,532,571
Aboriginal Program															
Home Assistance Program	Homes	0	0	717	1,125	0	0	267	549	0	0	1,609,393	3,101,207	816	6,319,993
Direct Install Lighting	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aboriginal Program Total						0	0	267	549	0	0	1,609,393	3,101,207	816	6,319,993
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	2,028	0	0	0	21,662	0	0	0	121,138,219	0	0	0	21,662	484,552,876
High Performance New Construction	Projects	182	73	19	3	5,098	3,251	772	134	26,185,591	11,901,944	3,522,240	688,738	9,255	148,181,415
Toronto Comprehensive	Projects	577	15	4	5	15,805	0	0	281	86,964,886	0	0	2,479,840	16,086	350,339,385
Multifamily Energy Efficiency Rebates	Projects	110	0	0	0	1,981	0	0	0	7,595,683	0	0	0	1,981	30,382,733
LDC Custom Programs	Projects	8	0	0	0	399	0	0	0	1,367,170	0	0	0	399	5,468,679
Pre-2011 Programs completed in 2011 Total						44,945	3,251	772	415	243,251,550	11,901,944	3,522,240	3,168,578	49,382	1,018,925,088
Other															
Program Enabled Savings	Projects	33	71	46	43	0	2,304	3,692	5,500	0	1,188,362	4,075,382	19,035,337	11,496	30,751,187
Time-of-Use Savings	Homes	0	0	0	n/a	0	0	0	54,795	0	0	0	0	54,795	0
LDC Pilots	Projects	0	0	0	1,174	0	0	0	1,170	0	0	0	5,061,522	1,170	5,061,522
Other Total						0	2,304	3,692	61,466	0	1,188,362	4,075,382	24,096,859	67,462	35,812,709
Adjustments to 2011 Verified Results															
Adjustments to 2012 Verified Results															
Adjustments to 2013 Verified Results															
Energy Efficiency Total						136,610	109,191	117,536	224,457	603,144,419	482,474,435	554,528,447	975,639,300	575,647	5,896,382,612
Demand Response Total (Scenario 1)						79,733	142,670	280,099	309,091	3,739,185	2,427,011	5,046,495	8,698	309,091	11,221,389
Adjustments to Previous Years' Verified Results Total						0	1,406	6,901	35,030	0	18,689,081	43,684,221	195,185,880	43,006	645,389,397
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						216,343	253,267	404,536	568,578	606,883,604	503,590,526	603,259,163	1,170,833,878	927,745	6,552,993,397
Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).														Full OEB Target:	
*Includes adjustments after Final Reports were issued														1,330,000	
Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year														6,000,000,000	
% of Full OEB Target Achieved to Date (Scenario 1):														70%	
														109%	

Table 7: Adjustments to Province-Wide Net Verified Results due to Variances

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011*	2012*	2013*	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014	2011-2014 Net Cumulative Energy Savings (kWh) 2014
Consumer Program															
Appliance Retirement	Appliances	0	0	0		0	0	0		0	0	0		0	0
Appliance Exchange	Appliances	0	0	0		0	0	0		0	0	0		0	0
HVAC Incentives	Equipment	-18,839	2,319	4,705		-5,270	479	1,037		-9,707,002	955,512	1,838,408		-3,754	-32,284,656
Conservation Instant Coupon Booklet	Items	8,216	0	1,050		16	0	2		275,655	0	23,571		18	1,149,763
BI-Annual Retailer Event	Items	81,817	0	0		108	0	0		2,183,391	0	0		108	8,733,563
Retailer Co-op	Items	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential New Construction	Homes	20	2	193		1	1	72		14,667	985	441,938		74	945,497
Consumer Program Total						-5,145	480	1,111		-7,233,290	956,497	2,303,917		-3,555	-21,664,975
Business Program															
Retrofit	Projects	312	876	961		3,208	7,233	11,961		16,266,129	42,498,052	78,146,280		22,056	347,545,386
Direct Install Lighting	Projects	444	197	51		501	204	46		1,250,388	736,541	164,667		620	7,158,143
Building Commissioning	Buildings	0	0	0		0	0	0		0	0	0		0	0
New Construction	Buildings	15	29	72		850	1,304	2,241		3,604,553	4,825,774	8,636,179		4,401	46,187,216
Energy Audit	Audits	119	77	270		604	439	2,383		2,945,189	2,145,367	13,100,635		3,426	44,418,129
Small Commercial Demand Response	Devices	0	0	0		0	0	0		0	0	0		0	0
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	0	0	0		0	0	0		0	0	0		0	0
Business Program Total						5,162	9,181	16,631		24,066,259	50,205,734	100,047,761		30,503	385,148,444
Industrial Program															
Process & System Upgrades	Projects	0	0	2		0	0	324		0	0	968,659		324	1,937,318
Monitoring & Targeting	Projects	0	1	3		0	0	54		0	528,000	639,348		54	2,862,696
Energy Manager	Projects	1	93	101		27	1,067	2,395		241,515	8,266,841	25,814,853		4,345	81,853,489
Retrofit	Projects	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	0	0	0		0	0	0		0	0	0		0	0
Industrial Program Total						27	1,067	2,774		241,515	8,794,841	27,422,860		4,723	61,215,516
Home Assistance Program															
Home Assistance Program	Homes	0	887	2,898		0	222	791		0	1,316,749	4,321,794		1,009	12,515,300
Home Assistance Program Total						0	222	791		0	1,316,749	4,321,794		1,009	8,581,177
Aboriginal Program															
Home Assistance Program	Homes	0	0	133		0	0	134		0	0	563,715		134	1,127,430
Direct Install Lighting	Projects	0	0	0		0	0	0		0	0	0		0	0
Aboriginal Program Total						0	0	134		0	0	563,715		134	1,127,430
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	12	0	0		138	0	0		545,536	0	0		138	2,182,145
High Performance New Construction	Projects	37	4	15		1,507	363	-184		2,398,941	2,832,533	-993,596		1,686	16,106,171
Toronto Comprehensive	Projects	0	15	4		0	672	185		0	4,523,517	1,324,388		857	16,219,327
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0		0	0	0		0	0
LDC Custom Programs	Projects	0	0	0		0	0	0		0	0	0		0	0
Pre-2011 Programs completed in 2011 Total						1,645	1,035	2		2,944,477	7,356,050	330,792		2,682	11,104,528
Other															
Program Enabled Savings	Projects	33	55	33		1,776	3,712	2,020		7,727,573	11,481,687	10,688,564		7,509	86,732,481
Time-of-Use Savings	Homes	0	0	0		0	0	0		0	0	0		0	0
LDC Pilots	Projects	0	0	0		0	0	0		0	0	0		0	0
Other Total						1,776	3,712	2,020		7,727,573	11,481,687	10,688,564		7,509	86,732,481
Adjustments to 2011 Verified Results						3,465				27,746,535				3,215	110,143,550
Adjustments to 2012 Verified Results							15,697				80,111,558			15,401	238,780,637
Adjustments to 2013 Verified Results								23,463				145,679,403		24,391	296,465,211
Adjustments to Previous Years' Verified Results Total						3,465	15,697	23,463		27,746,535	80,111,558	145,679,403		43,006	645,389,397

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as the information presented above is presented in the implementation year. Adjustments in Table 1 reflect persisted savings in the year in which that adjustment is verified.

Table 8: Province-Wide Realization Rate & NTG

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program																
Appliance Retirement	1.00	1.00	1.00	1.00	0.51	0.46	0.42	0.45	1.00	1.00	1.00	1.00	0.46	0.47	0.44	0.47
Appliance Exchange	1.00	1.00	1.00	1.00	0.51	0.52	0.53	0.53	1.00	1.00	1.00	1.00	0.52	0.52	0.53	0.53
HVAC Incentives	1.00	1.00	1.00	1.00	0.60	0.50	0.48	0.48	1.00	1.00	1.00	1.00	0.50	0.49	0.48	0.48
Conservation Instant Coupon Booklet	1.00	1.00	1.00	1.00	1.14	1.00	1.11	1.69	1.00	1.00	1.00	1.00	1.00	1.05	1.13	1.73
Bi-Annual Retailer Event	1.00	1.00	1.00	1.00	1.12	0.91	1.04	1.74	1.00	1.00	1.00	1.00	0.91	0.92	1.04	1.75
Retailer Co-op	1.00	n/a	n/a	n/a	0.68	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential Demand Response	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential Demand Response (IHD)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential New Construction	1.00	3.65	0.78	1.03	0.41	0.49	0.63	0.63	3.65	7.17	3.09	0.62	0.49	0.49	0.63	0.63
Business Program																
Retrofit	1.06	0.93	0.92	0.84	0.72	0.75	0.73	0.71	0.93	1.05	1.01	0.98	0.75	0.76	0.73	0.72
Direct Install Lighting	1.08	0.69	0.82	0.78	1.08	0.94	0.94	0.94	0.69	0.85	0.84	0.83	0.94	0.94	0.94	0.94
Building Commissioning	n/a	n/a	n/a	1.97	n/a	n/a	n/a	1.00	n/a	n/a	n/a	1.16	n/a	n/a	n/a	1.00
New Construction	0.50	0.98	0.68	0.71	0.50	0.49	0.54	0.54	0.98	0.99	0.76	0.79	0.49	0.49	0.54	0.54
Energy Audit	n/a	n/a	1.02	0.96	n/a	n/a	0.66	0.68	n/a	n/a	0.97	1.00	n/a	n/a	0.66	0.67
Small Commercial Demand Response	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Small Commercial Demand Response (IHD)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Demand Response 3	0.76	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Industrial Program																
Process & System Upgrades	n/a	n/a	0.85	0.96	n/a	n/a	0.94	0.79	n/a	n/a	0.87	0.96	n/a	n/a	0.93	0.80
Monitoring & Targeting	n/a	n/a	n/a	0.59	n/a	n/a	n/a	1.00	n/a	n/a	n/a	0.36	n/a	n/a	n/a	1.00
Energy Manager	n/a	1.16	0.90	0.91	n/a	0.90	0.90	0.90	1.16	1.16	0.90	0.96	0.90	0.90	0.90	0.85
Retrofit	1.11	n/a	n/a	n/a	0.72	n/a	n/a	n/a	0.91	n/a	n/a	n/a	0.75	n/a	n/a	n/a
Demand Response 3	0.84	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Home Assistance Program																
Home Assistance Program	1.00	0.32	0.26	0.49	0.70	1.00	1.00	1.00	0.32	0.99	0.88	0.78	1.00	1.00	1.00	1.00
Aboriginal Program																
Home Assistance Program	n/a	n/a	0.05	0.15	n/a	n/a	1.00	1.00	n/a	n/a	0.95	0.97	n/a	n/a	1.00	1.00
Direct Install Lighting	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Pre-2011 Programs completed in 2011																
Electricity Retrofit Incentive Program	0.80	n/a	n/a	n/a	0.54	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
High Performance New Construction	1.00	1.00	1.00	n/a	0.49	0.50	0.50	0.50	1.00	1.00	1.00	n/a	0.50	0.50	0.50	0.50
Toronto Comprehensive	1.13	n/a	n/a	n/a	0.50	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Multifamily Energy Efficiency Rebates	0.93	n/a	n/a	n/a	0.78	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LDC Custom Programs	1.00	n/a	n/a	n/a	1.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other																
Program Enabled Savings	n/a	1.06	1.00	0.86	n/a	1.00	1.00	1.00	n/a	2.26	1.00	0.98	n/a	1.00	1.00	1.00
Time-of-Use Savings	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LDC Pilots	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Summary Provincial Progress Towards CDM Targets

Table 9: Province-Wide Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011	216.3	136.6	135.8	129.0
2012†	1.4	253.3	109.8	108.2
2013†	0.6	7.0	404.5	122.0
2014†	1.4	10.8	34.2	568.6
Verified Net Annual Peak Demand Savings in 2014:				927.7
2014 Annual CDM Capacity Target:				1,330
Verified Portion of Peak Demand Savings Target Achieved in 2014 (%):				69.8%

Table 10: Province-Wide Net Energy Savings at the End-User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011	606.9	603.0	601.0	582.3	2,393.1
2012†	18.7	503.6	498.4	492.6	1,513.3
2013†	1.7	44.4	603.3	583.4	1,232.8
2014†	7.3	44.8	191.0	1,170.8	1,413.9
Verified Net Cumulative Energy Savings 2011-2014:					6,553.0
2011-2014 Cumulative CDM Energy Target:					6,000
Verified Portion of Cumulative Energy Target Achieved in 2014 (%):					109.2%

†Includes adjustments to previous years' verified results

Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year

METHODOLOGY

All results are at the end-user level (not including transmission and distribution losses)

EQUATIONS	
Prescriptive Measures and Projects	Gross Savings = Activity * Per Unit Assumption Net Savings = Gross Savings * Net-to-Gross Ratio All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)
Engineered and Custom Projects	Gross Savings = Reported Savings * Realization Rate Net Savings = Gross Savings * Net-to-Gross Ratio All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)
Demand Response	Peak Demand: Gross Savings = Net Savings = contracted MW at contributor level * Provincial contracted to ex ante ratio Energy: Gross Savings = Net Savings = provincial ex post energy savings * LDC proportion of total provincial contracted MW All savings are annualized (i.e. the savings are the same regardless of the time of year a participant began offering DR)
Adjustments to Previous Years' Verified Results	All variances from the Final Annual Results Reports from prior years will be adjusted within this report. Any variances with regards to projects counts, data lag, and calculations etc., will be made within this report. Considers the cumulative effect of energy savings.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Consumer Program			
Appliance Retirement	Includes both retail and home pickup stream. Retail stream allocated based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer selection.	Savings are considered to begin in the year the appliance is picked up.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Appliance Exchange	When postal code information is provided by customer, results are directly attributed to the LDC. When postal code is not available, results allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year that the exchange event occurred.	
HVAC Incentives	Results directly attributed to LDC based on customer postal code.	Savings are considered to begin in the year that the installation occurred.	

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC. Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the coupon was redeemed.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the event occurs.	
Retailer Co-op	When postal code information is provided by the customer, results are directly attributed. If postal code information is not available, results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year of the home visit and installation date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Residential Demand Response	Results are directly attributed to LDC based on data provided to IESO through project completion reports and continuing participant lists.	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year and accounts for any "snapback" in energy consumption experienced after the event. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the iCon system. Initiative was not evaluated in 2011, reported results are presented with forecast assumptions as per the business case.	Savings are considered to begin in the year of the project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Business Program			
Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the iCon system. Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for Building type to Sector mapping.	Savings are considered to begin in the year of the actual project completion date in the iCON system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
	Additional Note: project counts were derived by filtering out invalid statuses (e.g. Post-Project Submission - Payment denied by LDC) and only including projects with an "Actual Project Completion Date" in 2014)		

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
Existing Building Commissioning Incentive	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the actual project completion date.	
Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Commercial Demand Response (part of the Residential program schedule)	Results are directly attributed to LDC based on data provided to IESO through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.
Demand Response 3 (part of the Industrial program schedule)	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
Industrial Program			
Process & System Upgrades	Results are directly attributed to LDC based on LDC identified in application.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
Energy Manager	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping.	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
Demand Response 3	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Home Assistance Program			
Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross), taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Aboriginal Program			
Aboriginal Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross), taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Pre-2011 Programs completed in 2011			
Electricity Retrofit Incentive Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, 2012, 2013 or 2014 assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported. A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results (http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports).
High Performance New Construction	Results are directly attributed to LDC based on customer data provided to the OPA from Enbridge; Initiative was not evaluated in 2011, 2012, 2013 or 2014, assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	
Toronto Comprehensive	Program run exclusively in Toronto Hydro-Electric System Limited service territory; Initiative was not evaluated in 2011, 2012, 2013 or 2014, assumptions as per 2010 evaluation.		

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Multifamily Energy Efficiency Rebates	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, 2012, 2013 or 2014, assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results (http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports).
Data Centre Incentive Program	Program run exclusively in PowerStream Inc. service territory; Initiative was not evaluated in 2011, assumptions as per 2009 evaluation.		
EnWin Green Suites	Program run exclusively in ENWIN Utilities Ltd. service territory; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation.		

Consumer Program Allocation Methodology

Results can be allocated based on average of 2008 & 2009 residential throughput for each LDC (below) when additional information is not available. Source: OEB Yearbook Data 2008 & 2009

Local Distribution Company	Allocation
Algoma Power Inc.	0.2%
Atikokan Hydro Inc.	0.0%
Attawapiskat Power Corporation	0.0%
Bluewater Power Distribution Corporation	0.6%
Brant County Power Inc.	0.2%
Brantford Power Inc.	0.7%
Burlington Hydro Inc.	1.4%
Cambridge and North Dumfries Hydro Inc.	1.0%
Canadian Niagara Power Inc.	0.5%
Centre Wellington Hydro Ltd.	0.1%
Chapleau Public Utilities Corporation	0.0%
COLLUS Power Corporation	0.3%
Cooperative Hydro Embrun Inc.	0.0%
E.L.K. Energy Inc.	0.2%
Enersource Hydro Mississauga Inc.	3.9%
ENTEGRUS	0.6%
ENWIN Utilities Ltd.	1.6%
Erie Thames Powerlines Corporation	0.4%
Espanola Regional Hydro Distribution Corporation	0.1%
Essex Powerlines Corporation	0.7%
Festival Hydro Inc.	0.3%
Fort Albany Power Corporation	0.0%
Fort Frances Power Corporation	0.1%
Greater Sudbury Hydro Inc.	1.0%
Grimsby Power Inc.	0.2%
Guelph Hydro Electric Systems Inc.	0.9%
Haldimand County Hydro Inc.	0.4%
Halton Hills Hydro Inc.	0.5%
Hearst Power Distribution Company Limited	0.1%
Horizon Utilities Corporation	4.0%
Hydro 2000 Inc.	0.0%
Hydro Hawkesbury Inc.	0.1%
Hydro One Brampton Networks Inc.	2.8%
Hydro One Networks Inc.	30.0%
Hydro Ottawa Limited	5.6%
Innisfil Hydro Distribution Systems Limited	0.4%
Kashechewan Power Corporation	0.0%
Kenora Hydro Electric Corporation Ltd.	0.1%
Kingston Hydro Corporation	0.5%
Kitchener-Wilmot Hydro Inc.	1.6%
Lakefront Utilities Inc.	0.2%

Lakeland Power Distribution Ltd.	0.2%
London Hydro Inc.	2.7%
Middlesex Power Distribution Corporation	0.1%
Midland Power Utility Corporation	0.1%
Milton Hydro Distribution Inc.	0.6%
Newmarket - Tay Power Distribution Ltd.	0.7%
Niagara Peninsula Energy Inc.	1.0%
Niagara-on-the-Lake Hydro Inc.	0.2%
Norfolk Power Distribution Inc.	0.3%
North Bay Hydro Distribution Limited	0.5%
Northern Ontario Wires Inc.	0.1%
Oakville Hydro Electricity Distribution Inc.	1.5%
Orangeville Hydro Limited	0.2%
Orillia Power Distribution Corporation	0.3%
Oshawa PUC Networks Inc.	1.2%
Ottawa River Power Corporation	0.2%
Parry Sound Power Corporation	0.1%
Peterborough Distribution Incorporated	0.7%
PowerStream Inc.	6.6%
PUC Distribution Inc.	0.9%
Renfrew Hydro Inc.	0.1%
Rideau St. Lawrence Distribution Inc.	0.1%
Sioux Lookout Hydro Inc.	0.1%
St. Thomas Energy Inc.	0.3%
Thunder Bay Hydro Electricity Distribution Inc.	0.9%
Tillsonburg Hydro Inc.	0.1%
Toronto Hydro-Electric System Limited	12.8%
Veridian Connections Inc.	2.4%
Wasaga Distribution Inc.	0.2%
Waterloo North Hydro Inc.	1.0%
Welland Hydro-Electric System Corp.	0.4%
Wellington North Power Inc.	0.1%
West Coast Huron Energy Inc.	0.1%
Westario Power Inc.	0.5%
Whitby Hydro Electric Corporation	0.9%
Woodstock Hydro Services Inc.	0.3%

Reporting Glossary

Annual: the peak demand or energy savings that occur in a given year (includes resource savings from new program activity and resource savings persisting from previous years).

Cumulative Energy Savings: represents the sum of the annual energy savings that accrue over a defined period (in the context of this report the defined period is 2011 - 2014). This concept does not apply to peak demand savings.

End-User Level: resource savings in this report are measured at the customer level as opposed to the generator level (the difference being line losses).

Free-ridership: the percentage of participants who would have implemented the program measure or practice in the absence of the program.

Incremental: the new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start'.

Initiative: a Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup).

Net-to-Gross Ratio: The ratio of net savings to gross savings, which takes into account factors such as free-ridership and spillover

Net Energy Savings (MWh): energy savings attributable to conservation and demand management activities net of free-riders, etc.

Net Peak Demand Savings (MW): peak demand savings attributable to conservation and demand management activities net of free-riders, etc.

Program: a group of initiatives that target a particular market sector (e.g. Consumer, Industrial).

Realization Rate: A comparison of observed or measured (evaluated) information to original reported savings which is used to adjust the gross savings estimates.

Settlement Account: the grouping of demand response facilities (contributors) into one contractual agreement

Spillover: Reductions in energy consumption and/or demand caused by the presence of the energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.

Unit: for a specific initiative the relevant type of activity acquired in the market place (i.e. appliances picked up, projects completed, coupons redeemed).

Table 11: Waterloo North Hydro Inc. Initiative and Program Level Gross Savings by Year

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement**	Appliances	49	14	21	26	359,259	99,292	135,218	169,628
Appliance Exchange**	Appliances	5	11	25	56	5,919	18,832	44,220	99,672
HVAC Incentives	Equipment	691	512	494	621	1,292,287	893,954	855,951	1,145,708
Conservation Instant Coupon Booklet	Items	10	2	5	25	169,297	13,284	68,551	300,894
Bi-Annual Retailer Event	Items	15	16	11	46	269,499	292,770	164,723	703,866
Retailer Co-op	Items	0	0	0	0	0	0	0	0
Residential Demand Response	Devices	72	0	196	365	0	0	652	0
Residential Demand Response (IHD)	Devices	0	0	0	0	0	0	0	0
Residential New Construction	Homes	0	0	0	0	0	0	0	0
Consumer Program Total		842	556	751	1,140	2,096,261	1,318,132	1,269,315	2,419,768
Business Program									
Retrofit	Projects	372	1,099	797	1,190	1,949,090	6,430,988	4,340,396	7,061,007
Direct Install Lighting	Projects	231	110	121	100	664,665	369,939	433,193	370,213
Building Commissioning	Buildings	0	0	0	0	0	0	0	0
New Construction	Buildings	0	8	1	56	0	24,046	1,939	273,975
Energy Audit	Audits	0	36	430	119	0	176,234	2,345,942	583,668
Small Commercial Demand Response	Devices	5	0	6	8	0	0	10	0
Small Commercial Demand Response (IHD)	Devices	0	0	0	0	0	0	0	0
Demand Response 3	Facilities	111	111	113	104	4,323	1,614	1,504	0
Business Program Total		719	1,364	1,468	1,578	2,618,079	7,002,822	7,122,984	8,288,864
Industrial Program									
Process & System Upgrades	Projects	0	0	0	0	0	0	0	0
Monitoring & Targeting	Projects	0	0	0	0	0	0	0	0
Energy Manager	Projects	0	0	0	26	0	0	0	101,808
Retrofit	Projects	249	0	0	0	1,453,318	0	0	0
Demand Response 3	Facilities	392	1,260	1,151	1,081	23,003	30,360	30,917	0
Industrial Program Total		641	1,260	1,151	1,107	1,476,321	30,360	30,917	101,808
Home Assistance Program									
Home Assistance Program	Homes	0	2	12	4	0	25,825	170,106	48,046
Home Assistance Program Total		0	2	12	4	0	25,825	170,106	48,046
Aboriginal Program									
Home Assistance Program	Homes	0	0	0	0	0	0	0	0
Direct Install Lighting	Projects	0	0	0	0	0	0	0	0
Aboriginal Program Total		0	0	0	0	0	0	0	0
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	346	0	0	0	1,742,736	0	0	0
High Performance New Construction	Projects	363	43	0	0	1,865,774	210,767	0	0
Toronto Comprehensive	Projects	0	0	0	0	0	0	0	0
Multifamily Energy Efficiency Rebates	Projects	0	0	0	0	0	0	0	0
LDC Custom Programs	Projects	0	0	0	0	0	0	0	0
Pre-2011 Programs completed in 2011 Total		709	43	0	0	3,608,510	210,767	0	0
Other									
Program Enabled Savings	Projects	0	0	0	89	0	0	0	125,622
Time-of-Use Savings	Homes	0	0	0	651	0	0	0	0
LDC Pilots	Projects	0	0	0	0	0	0	0	0
Other Total		0	0	0	739	0	0	0	125,622
Adjustments to 2011 Verified Results			290	0	1		156,341	0	5,402
Adjustments to 2012 Verified Results				81	122			439,367	714,506
Adjustments to 2013 Verified Results					415				1,288,369
Energy Efficiency Total		2,330	1,854	1,916	3,009	9,771,844	8,555,931	8,560,238	10,984,107
Demand Response Total		580	1,371	1,466	1,559	27,327	31,974	33,083	0
Adjustments to Previous Years' Verified Results Total			290	81	538	0	156,341	439,367	2,008,277
OPA-Contracted LDC Portfolio Total (inc. Adjustments)		2,910	3,515	3,463	5,106	9,799,171	8,744,246	9,032,688	12,992,383

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

*Includes adjustments after Final Reports were issued

Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year

Gross results are presented for informational purposes only and are not considered official 2014 Final Verified Results

**Net results substituted for gross results due to unavailability of data

Table 12: Adjustments to Waterloo North Hydro Inc. Gross Verified Results due to Variances

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement	Appliances	0	0	0		0	0	0	
Appliance Exchange	Appliances	0	0	0		0	0	0	
HVAC Incentives	Equipment	-111	13	22		-204,642	23,715	39,112	
Conservation Instant Coupon Booklet	Items	0	0	0		2,565	0	207	
Bi-Annual Retailer Event	Items	1	0	0		23,781	0	0	
Retailer Co-op	Items	0	0	0		0	0	0	
Residential Demand Response	Devices	0	0	0		0	0	0	
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0	
Residential New Construction	Homes	0	0	0		0	0	0	
Consumer Program Total		-109	13	22		-178,296	23,715	39,319	
Business Program									
Retrofit	Projects	0	63	283		0	1,088,649	931,863	
Direct Install Lighting	Projects	9	0	0		20,111	0	0	
Building Commissioning	Buildings	0	0	0		0	0	0	
New Construction	Buildings	0	0	37		0	3,057	14,430	
Energy Audit	Audits	16	5	41		75,529	35,244	221,634	
Small Commercial Demand Response	Devices	0	0	0		0	0	0	
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0	
Demand Response 3	Facilities	0	0	0		0	0	0	
Business Program Total		25	69	360		95,639	1,126,950	1,167,927	
Industrial Program									
Process & System Upgrades	Projects	0	0	0		0	0	0	
Monitoring & Targeting	Projects	0	0	0		0	0	0	
Energy Manager	Projects	0	0	37		0	0	77,000	
Retrofit	Projects	0	0	0		0	0	0	
Demand Response 3	Facilities	0	0	0		0	0	0	
Industrial Program Total		0	0	37		0	0	77,000	
Home Assistance Program									
Home Assistance Program	Homes	0	0	2		0	3,238	18,599	
Home Assistance Program Total		0	0	2		0	3,238	18,599	
Aboriginal Program									
Home Assistance Program	Homes	0	0	0		0	0	0	
Direct Install Lighting	Projects	0	0	0		0	0	0	
Aboriginal Program Total		0	0	0		0	0	0	
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	0	0	0		0	0	0	
High Performance New Construction	Projects	374	0	0		238,998	0	0	
Toronto Comprehensive	Projects	0	0	0		0	0	0	
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0	
LDC Custom Programs	Projects	0	0	0		0	0	0	
Pre-2011 Programs completed in 2011 Total		374	0	0		238,998	0	0	
Other									
Program Enabled Savings	Projects	0	0	0		0	0	0	
Time-of-Use Savings	Homes	0	0	0		0	0	0	
LDC Pilots	Projects	0	0	0		0	0	0	
Other Total		0	0	0		0	0	0	
Adjustments to 2011 Verified Results		290				156,341			
Adjustments to 2012 Verified Results			81				1,153,903		
Adjustments to 2013 Verified Results				421				1,302,845	
Total Adjustments to Previous Years' Verified Results		290	81	421		156,341	1,153,903	1,302,845	

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

Gross results are presented for informational purposes only and are not considered official 2014 Final Verified Results

Table 13: Province-Wide Initiatives and Program Level Gross Savings by Year

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement**	Appliances	6,750	2,011	3,151	3,579	45,971,627	13,424,518	18,616,239	20,315,770
Appliance Exchange**	Appliances	719	556	2,101	2,238	873,531	974,621	3,746,106	3,990,372
HVAC Incentives	Equipment	53,209	38,346	40,418	48,467	99,413,430	66,929,213	71,225,037	90,274,814
Conservation Instant Coupon Booklet	Items	1,184	231	464	1,442	19,192,453	1,325,898	6,842,244	19,000,254
Bi-Annual Retailer Event	Items	1,504	1,622	1,142	4,626	26,899,265	29,222,072	16,441,329	70,254,471
Retailer Co-op	Items	0	0	0	0	3,917	0	0	0
Residential Demand Response	Devices	10,390	49,038	93,076	117,513	23,597	359,408	390,303	8,379
Residential Demand Response (IHD)	Devices	0	0	0	0	0	0	0	0
Residential New Construction	Homes	0	1	29	587	1,813	4,884	259,826	3,699,786
Consumer Program Total		73,757	91,805	140,380	178,452	192,379,633	112,240,615	117,521,084	207,543,846
Business Program									
Retrofit	Projects	34,201	78,965	82,896	98,849	184,070,265	387,817,248	478,410,896	642,515,421
Direct Install Lighting	Projects	22,155	20,469	19,807	24,794	65,777,197	68,896,046	68,140,249	89,528,509
Building Commissioning	Buildings	0	0	0	988	0	0	0	1,513,377
New Construction	Buildings	247	1,596	2,934	11,911	823,434	3,755,869	9,183,826	37,742,970
Energy Audit	Audits	0	1,450	4,283	9,367	0	7,049,351	23,386,108	46,012,517
Small Commercial Demand Response	Devices	55	187	773	2,116	131	1,068	373	319
Small Commercial Demand Response (IHD)	Devices	0	0	0	0	0	0	0	0
Demand Response 3	Facilities	21,390	19,389	23,706	23,380	633,421	281,823	346,659	0
Business Program Total		78,048	122,056	134,399	171,405	251,304,448	467,801,406	579,468,111	817,313,113
Industrial Program									
Process & System Upgrades	Projects	0	0	313	12,287	0	0	2,799,746	90,463,617
Monitoring & Targeting	Projects	0	0	0	102	0	0	0	502,517
Energy Manager	Projects	0	1,034	3,953	5,767	0	7,067,535	24,438,070	44,929,364
Retrofit	Projects	6,372	0	0	0	38,412,408	0	0	0
Demand Response 3	Facilities	176,180	74,056	162,543	166,082	4,243,958	1,784,712	4,309,160	0
Industrial Program Total		182,552	75,090	166,809	184,238	42,656,366	8,852,247	31,546,976	135,895,498
Home Assistance Program									
Home Assistance Program	Homes	4	1,777	2,361	2,466	56,119	5,524,230	20,987,275	19,582,658
Home Assistance Program Total		4	1,777	2,361	2,466	56,119	5,524,230	20,987,275	19,582,658
Aboriginal Program									
Home Assistance Program	Homes	0	0	267	549	0	0	1,609,393	3,101,207
Direct Install Lighting	Projects	0	0	0	0	0	0	0	0
Aboriginal Program Total		0	0	267	549	0	0	1,609,393	3,101,207
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	40,418	0	0	0	223,956,390	0	0	0
High Performance New Construction	Projects	10,197	6,501	772	268	52,371,183	23,803,888	3,522,240	1,377,475
Toronto Comprehensive	Projects	33,467	0	0	802	174,070,574	0	0	7,085,257
Multifamily Energy Efficiency Rebates	Projects	2,553	0	0	0	9,774,792	0	0	0
LDC Custom Programs	Projects	534	0	0	0	649,140	0	0	0
Pre-2011 Programs completed in 2011 Total		87,169	6,501	772	1,070	460,822,079	23,803,888	3,522,240	8,462,733
Other									
Program Enabled Savings	Projects	0	2,177	3,692	5,500	0	525,011	4,075,382	19,035,337
Time-of-Use Savings	Homes	0	0	0	54,795	0	0	0	0
LDC Pilots	Projects	0	0	0	1,170	0	0	0	5,061,522
Other Total		0	2,177	3,692	60,296	0	525,011	4,075,382	19,035,337
Adjustments to 2011 Verified Results			13,266	645	1,601		48,705,294	20,581	6,028
Adjustments to 2012 Verified Results				8,632	13,449			54,301,893	59,098,939
Adjustments to 2013 Verified Results					34,727				206,413,158
Energy Efficiency Total		213,515	156,735	168,583	289,384	942,317,539	616,320,385	753,683,966	1,210,925,694
Demand Response Total		208,015	142,670	280,099	309,091	4,901,107	2,427,011	5,046,495	8,698
Adjustments to Previous Years' Verified Results Total		0	13,266	9,277	49,777	0	48,705,294	54,322,474	265,518,125
OPA-Contracted LDC Portfolio Total (inc. Adjustments)		421,530	312,671	457,958	648,252	947,218,646	667,452,690	813,052,934	1,476,452,516

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

Gross results are presented for informational purposes only and are not considered official 2014 Final Verified Results

**Net results substituted for gross results due to unavailability of data

Table 14: Adjustments to Province-Wide Gross Verified Results due to Variances

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement	Appliances	0	0	0		0	0	0	
Appliance Exchange	Appliances	0	0	0		0	0	0	
HVAC Incentives	Equipment	-8,759	1,091	2,157		-16,241,086	1,952,473	3,873,449	
Conservation Instant Coupon Booklet	Items	15	0	1		255,975	0	20,668	
Bi-Annual Retailer Event	Items	117	0	0		2,373,616	0	0	
Retailer Co-op	Items	0	0	0		0	0	0	
Residential Demand Response	Devices	0	0	0		0	0	0	
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0	
Residential New Construction	Homes	1	1	115		330,093	2,009	701,488	
Consumer Program Total		-8,628	1,092	2,273		-13,281,402	1,954,483	4,595,605	
Business Program									
Retrofit	Projects	4,511	10,114	16,584		22,046,931	58,528,789	108,677,566	
Direct Install Lighting	Projects	541	217	49		1,346,618	781,858	174,460	
Building Commissioning	Buildings	0	0	0		0	0	0	
New Construction	Buildings	3,287	2,673	4,151		11,323,593	9,884,305	15,992,924	
Energy Audit	Audits	656	488	3,631		2,391,744	2,386,374	19,822,524	
Small Commercial Demand Response	Devices	0	0	0		0	0	0	
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0	
Demand Response 3	Facilities	0	0	0		0	0	0	
Business Program Total		8,996	13,491	24,414		37,108,886	71,581,326	144,667,473	
Industrial Program									
Process & System Upgrades	Projects	0	0	426		0	0	1,232,785	
Monitoring & Targeting	Projects	0	0	54		0	528,000	639,348	
Energy Manager	Projects	29	1,071	2,687		0	8,968,007	28,893,596	
Retrofit	Projects	0	0	0		0	0	0	
Demand Response 3	Facilities	0	0	0		0	0	0	
Industrial Program Total		29	1,071	3,168		0	9,496,007	30,765,729	
Home Assistance Program									
Home Assistance Program	Homes	0	222	791		0	1,316,749	4,321,794	
Home Assistance Program Total		0	222	791		0	1,316,749	4,321,794	
Aboriginal Program									
Home Assistance Program	Homes	0	0	134		0	0	563,715	
Direct Install Lighting	Projects	0	0	0		0	0	0	
Aboriginal Program Total		0	0	134		0	0	563,715	
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	266	0	0		1,049,108	0	0	
High Performance New Construction	Projects	13,072	727	405		23,905,663	5,665,066	1,535,048	
Toronto Comprehensive	Projects	0	1,920	529		0	12,924,335	3,783,965	
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0	
LDC Custom Programs	Projects	0	0	0		0	0	0	
Pre-2011 Programs completed in 2011 Total		13,337	2,647	934		24,954,771	18,589,400	5,319,013	
Other									
Program Enabled Savings	Projects	1,776	3,712	2,020		1,673,712	11,481,687	10,688,564	
Time-of-Use Savings	Homes	0	0	0		0	0	0	
LDC Pilots	Projects	0	0	0		0	0	0	
Other Total		1,776	3,712	2,020		1,673,712	11,481,687	10,688,564	
Adjustments to 2011 Verified Results		15,511				50,455,967			
Adjustments to 2012 Verified Results			22,235				114,419,652		
Adjustments to 2013 Verified Results				33,734				200,921,892	
Adjustments to Previous Years' Verified Results Total		15,511	22,235	33,734		50,455,967	114,419,652	200,921,892	

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

*Includes adjustments after Final Reports were issued

Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year

Gross results are presented for informational purposes only and are not considered official 2014 Final Verified Results

Attachment F

Revenue Requirement Work Form 2016 Cost of Service



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2016 Filers



Version 6.00

Utility Name	Waterloo North Hydro Inc.
Service Territory	
Assigned EB Number	EB-2015-0108
Name and Title	Albert P. Singh, VP Finance & CFO
Phone Number	519-888-5542
Email Address	asingh@wnhydro.com

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While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2016 Filers

[1. Info](#)

[2. Table of Contents](#)

[3. Data Input Sheet](#)

[4. Rate Base](#)

[5. Utility Income](#)

[6. Taxes PILs](#)

[7. Cost of Capital](#)

[8. Rev Def Suff](#)

[9. Rev Req](#)

[10. Tracking Sheet](#)

Notes:

- (1) Pale green cells represent inputs
- (2) Pale green boxes at the bottom of each page are for additional notes
- (3) Pale yellow cells represent drop-down lists
- (4) **Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.**
- (5) **Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel**



Revenue Requirement Workform (RRWF) for 2016 Filers

Data Input ⁽¹⁾

	Initial Application	(2)	Adjustments	Settlement Agreement	(6)	Adjustments	Per Board Decision
1 Rate Base							
Gross Fixed Assets (average)	\$340,984,238		(\$69,178)	\$ 340,915,060			\$340,915,060
Accumulated Depreciation (average)	(\$146,617,357)	(5)	\$64,996	(\$146,552,361)			(\$146,552,361)
Allowance for Working Capital:							
Controllable Expenses	\$13,457,054		\$18,587	\$ 13,475,640			\$13,475,640
Cost of Power	\$164,326,495		\$12,804,774	\$ 177,131,269			\$177,131,269
Working Capital Rate (%)	13.00%	(9)		7.50%	(9)		7.50% (9)
2 Utility Income							
Operating Revenues:							
Distribution Revenue at Current Rates	\$31,257,951		\$411,550	\$31,669,501		\$0	\$31,669,501
Distribution Revenue at Proposed Rates	\$35,412,468		(\$1,655,740)	\$33,756,728		\$0	\$33,756,728
Other Revenue:							
Specific Service Charges	\$242,900		\$0	\$242,900		\$0	\$242,900
Late Payment Charges	\$315,500		\$0	\$315,500		\$0	\$315,500
Other Distribution Revenue	\$445,683		\$40,000	\$485,683		\$0	\$485,683
Other Income and Deductions	\$177,523		\$1,990	\$179,513		\$0	\$179,513
Total Revenue Offsets	\$1,181,606	(7)	\$41,990	\$1,223,596		\$0	\$1,223,596
Operating Expenses:							
OM+A Expenses	\$13,721,334		(\$562,000)	\$ 13,159,334			\$13,159,334
Depreciation/Amortization	\$8,151,672		(\$73,824)	\$ 8,077,849			\$8,077,849
Property taxes	\$489,734			\$ 489,734			\$489,734
Other expenses							
3 Taxes/PILs							
Taxable Income:							
Adjustments required to arrive at taxable income	(\$5,334,266)	(3)		(\$5,242,884)			(\$5,242,884)
Utility Income Taxes and Rates:							
Income taxes (not grossed up)	\$590,804			\$503,738			\$503,738
Income taxes (grossed up)	\$803,815			\$685,358			\$685,358
Federal tax (%)	15.00%			15.00%			15.00%
Provincial tax (%)	11.50%			11.50%			11.50%
Income Tax Credits	(\$139,521)			(\$139,521)			(\$139,521)
4 Capitalization/Cost of Capital							
Capital Structure:							
Long-term debt Capitalization Ratio (%)	56.0%			56.0%			56.0%
Short-term debt Capitalization Ratio (%)	4.0%	(8)		4.0%	(8)		4.0% (8)
Common Equity Capitalization Ratio (%)	40.0%			40.0%			40.0%
Preferred Shares Capitalization Ratio (%)							
	100.0%			100.0%			100.0%
Cost of Capital							
Long-term debt Cost Rate (%)	4.23%			4.07%			4.07%
Short-term debt Cost Rate (%)	2.16%			1.65%			1.65%
Common Equity Cost Rate (%)	9.30%			9.19%			9.19%
Preferred Shares Cost Rate (%)							

Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- (2) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
- (3) Net of addbacks and deductions to arrive at taxable income.
- (4) Average of Gross Fixed Assets at beginning and end of the Test Year
- (5) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (6) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (8) 4.0% unless an Applicant has proposed or been approved for another amount.
- (9) The default Working Capital Allowance factor is 7.5% (of Cost of Power plus controllable expenses), per the letter issued by the Board on June 3, 2015. Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2016 Filers

Rate Base and Working Capital

Line No.	Rate Base		Initial Application	Adjustments	Settlement Agreement	Adjustments	Per Board Decision
1	Gross Fixed Assets (average)	(3)	\$340,984,238	(\$69,178)	\$340,915,060	\$ -	\$340,915,060
2	Accumulated Depreciation (average)	(3)	(\$146,617,357)	\$64,996	(\$146,552,361)	\$ -	(\$146,552,361)
3	Net Fixed Assets (average)	(3)	\$194,366,880	(\$4,182)	\$194,362,699	\$ -	\$194,362,699
4	Allowance for Working Capital	(1)	\$23,111,861	(\$8,816,343)	\$14,295,518	\$ -	\$14,295,518
5	Total Rate Base		\$217,478,742	(\$8,820,525)	\$208,658,217	\$ -	\$208,658,217

(1) Allowance for Working Capital - Derivation

6	Controllable Expenses		\$13,457,054	\$18,587	\$13,475,640	\$ -	\$13,475,640
7	Cost of Power		\$164,326,495	\$12,804,774	\$177,131,269	\$ -	\$177,131,269
8	Working Capital Base		\$177,783,549	\$12,823,360	\$190,606,909	\$ -	\$190,606,909
9	Working Capital Rate %	(2)	13.00%	-5.50%	7.50%	0.00%	7.50%
10	Working Capital Allowance		\$23,111,861	(\$8,816,343)	\$14,295,518	\$ -	\$14,295,518

Notes

- (2) Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2016 cost of service applications is 7.5%, per the letter issued by the Board on June 3, 2015. Alternatively, a utility could conduct and file its own lead-lag study.
- (3) Average of opening and closing balances for the year.



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2016 Filers

Utility Income

Line No.	Particulars	Initial Application	Adjustments	Settlement Agreement	Adjustments	Per Board Decision
	Operating Revenues:					
1	Distribution Revenue (at Proposed Rates)	\$35,412,468	(\$1,655,740)	\$33,756,728	\$ -	\$33,756,728
2	Other Revenue (1)	\$1,181,606	\$41,990	\$1,223,596	\$ -	\$1,223,596
3	Total Operating Revenues	\$36,594,074	(\$1,613,750)	\$34,980,324	\$ -	\$34,980,324
	Operating Expenses:					
4	OM+A Expenses	\$13,721,334	(\$562,000)	\$13,159,334	\$ -	\$13,159,334
5	Depreciation/Amortization	\$8,151,672	(\$73,824)	\$8,077,849	\$ -	\$8,077,849
6	Property taxes	\$489,734	\$ -	\$489,734	\$ -	\$489,734
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$22,362,740	(\$635,824)	\$21,726,916	\$ -	\$21,726,916
10	Deemed Interest Expense	\$5,337,309	(\$439,536)	\$4,897,773	\$ -	\$4,897,773
11	Total Expenses (lines 9 to 10)	\$27,700,049	(\$1,075,360)	\$26,624,689	\$ -	\$26,624,689
12	Utility income before income taxes	\$8,894,025	(\$538,390)	\$8,355,635	\$ -	\$8,355,635
13	Income taxes (grossed-up)	\$803,815	(\$118,457)	\$685,358	\$ -	\$685,358
14	Utility net income	\$8,090,210	(\$419,933)	\$7,670,276	\$ -	\$7,670,276

Notes

Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$242,900	\$ -	\$242,900	\$ -	\$242,900
	Late Payment Charges	\$315,500	\$ -	\$315,500	\$ -	\$315,500
	Other Distribution Revenue	\$445,683	\$40,000	\$485,683	\$ -	\$485,683
	Other Income and Deductions	\$177,523	\$1,990	\$179,513	\$ -	\$179,513
	Total Revenue Offsets	\$1,181,606	\$41,990	\$1,223,596	\$ -	\$1,223,596



Revenue Requirement Workform (RRWF) for 2016 Filers

Taxes/PILs

Line No.	Particulars	Application	Settlement Agreement	Per Board Decision
<u>Determination of Taxable Income</u>				
1	Utility net income before taxes	\$8,090,209	\$7,670,276	\$7,670,276
2	Adjustments required to arrive at taxable utility income	(\$5,334,266)	(\$5,242,884)	(\$5,242,884)
3	Taxable income	<u>\$2,755,943</u>	<u>\$2,427,393</u>	<u>\$2,427,393</u>
<u>Calculation of Utility income Taxes</u>				
4	Income taxes	\$590,804	\$503,738	\$503,738
6	Total taxes	<u>\$590,804</u>	<u>\$503,738</u>	<u>\$503,738</u>
7	Gross-up of Income Taxes	<u>\$213,011</u>	<u>\$181,620</u>	<u>\$181,620</u>
8	Grossed-up Income Taxes	<u>\$803,815</u>	<u>\$685,358</u>	<u>\$685,358</u>
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$803,815</u>	<u>\$685,358</u>	<u>\$685,358</u>
10	Other tax Credits	(\$139,521)	(\$139,521)	(\$139,521)
<u>Tax Rates</u>				
11	Federal tax (%)	15.00%	15.00%	15.00%
12	Provincial tax (%)	11.50%	11.50%	11.50%
13	Total tax rate (%)	<u>26.50%</u>	<u>26.50%</u>	<u>26.50%</u>

Notes



Revenue Requirement Workform (RRWF) for 2016 Filers

Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
		Initial Application			
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$121,788,095	4.23%	\$5,149,408
2	Short-term Debt	4.00%	\$8,699,150	2.16%	\$187,902
3	Total Debt	60.00%	\$130,487,245	4.09%	\$5,337,309
	Equity				
4	Common Equity	40.00%	\$86,991,497	9.30%	\$8,090,209
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$86,991,497	9.30%	\$8,090,209
7	Total	100.00%	\$217,478,742	6.17%	\$13,427,518
		Settlement Agreement			
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$116,848,602	4.07%	\$4,760,058
2	Short-term Debt	4.00%	\$8,346,329	1.65%	\$137,714
3	Total Debt	60.00%	\$125,194,930	3.91%	\$4,897,773
	Equity				
4	Common Equity	40.00%	\$83,463,287	9.19%	\$7,670,276
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$83,463,287	9.19%	\$7,670,276
7	Total	100.00%	\$208,658,217	6.02%	\$12,568,049
		Per Board Decision			
		(%)	(\$)	(%)	(\$)
	Debt				
8	Long-term Debt	56.00%	\$116,848,602	4.07%	\$4,760,058
9	Short-term Debt	4.00%	\$8,346,329	1.65%	\$137,714
10	Total Debt	60.00%	\$125,194,930	3.91%	\$4,897,773
	Equity				
11	Common Equity	40.00%	\$83,463,287	9.19%	\$7,670,276
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	40.00%	\$83,463,287	9.19%	\$7,670,276
14	Total	100.00%	\$208,658,217	6.02%	\$12,568,049

Notes

(1)

Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2016 Filers

Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Settlement Agreement		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$4,154,517		\$2,087,227		\$2,087,227
2	Distribution Revenue	\$31,257,951	\$31,257,951	\$31,669,501	\$31,669,501	\$31,669,501	\$31,669,501
3	Other Operating Revenue Offsets - net	\$1,181,606	\$1,181,606	\$1,223,596	\$1,223,596	\$1,223,596	\$1,223,596
4	Total Revenue	\$32,439,557	\$36,594,074	\$32,893,097	\$34,980,324	\$32,893,097	\$34,980,324
5	Operating Expenses	\$22,362,740	\$22,362,740	\$21,726,916	\$21,726,916	\$21,726,916	\$21,726,916
6	Deemed Interest Expense	\$5,337,309	\$5,337,309	\$4,897,773	\$4,897,773	\$4,897,773	\$4,897,773
8	Total Cost and Expenses	\$27,700,049	\$27,700,049	\$26,624,689	\$26,624,689	\$26,624,689	\$26,624,689
9	Utility Income Before Income Taxes	\$4,739,508	\$8,894,025	\$6,268,408	\$8,355,635	\$6,268,408	\$8,355,635
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$5,334,266)	(\$5,334,266)	(\$5,242,884)	(\$5,242,884)	(\$5,242,884)	(\$5,242,884)
11	Taxable Income	(\$594,759)	\$3,559,759	\$1,025,524	\$3,112,751	\$1,025,524	\$3,112,751
12	Income Tax Rate	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
13	Income Tax on Taxable Income	(\$157,611)	\$943,336	\$271,764	\$824,879	\$271,764	\$824,879
14	Income Tax Credits	(\$139,521)	(\$139,521)	(\$139,521)	(\$139,521)	(\$139,521)	(\$139,521)
15	Utility Net Income	\$5,036,639	\$8,090,210	\$6,136,164	\$7,670,276	\$6,136,164	\$7,670,276
16	Utility Rate Base	\$217,478,742	\$217,478,742	\$208,658,217	\$208,658,217	\$208,658,217	\$208,658,217
17	Deemed Equity Portion of Rate Base	\$86,991,497	\$86,991,497	\$83,463,287	\$83,463,287	\$83,463,287	\$83,463,287
18	Income/(Equity Portion of Rate Base)	5.79%	9.30%	7.35%	9.19%	7.35%	9.19%
19	Target Return - Equity on Rate Base	9.30%	9.30%	9.19%	9.19%	9.19%	9.19%
20	Deficiency/Sufficiency in Return on Equity	-3.51%	0.00%	-1.84%	0.00%	-1.84%	0.00%
21	Indicated Rate of Return	4.77%	6.17%	5.29%	6.02%	5.29%	6.02%
22	Requested Rate of Return on Rate Base	6.17%	6.17%	6.02%	6.02%	6.02%	6.02%
23	Deficiency/Sufficiency in Rate of Return	-1.40%	0.00%	-0.74%	0.00%	-0.74%	0.00%
24	Target Return on Equity	\$8,090,209	\$8,090,209	\$7,670,276	\$7,670,276	\$7,670,276	\$7,670,276
25	Revenue Deficiency/(Sufficiency)	\$3,053,570	\$0	\$1,534,112	\$0	\$1,534,112	\$0
26	Gross Revenue Deficiency/(Sufficiency)	\$4,154,517 (1)		\$2,087,227 (1)		\$2,087,227 (1)	

Notes:

(1) Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2016 Filers

Revenue Requirement

Line No.	Particulars	Application	Settlement Agreement	Per Board Decision
1	OM&A Expenses	\$13,721,334	\$13,159,334	\$13,159,334
2	Amortization/Depreciation	\$8,151,672	\$8,077,849	\$8,077,849
3	Property Taxes	\$489,734	\$489,734	\$489,734
5	Income Taxes (Grossed up)	\$803,815	\$685,358	\$685,358
6	Other Expenses	\$ -		
7	Return			
	Deemed Interest Expense	\$5,337,309	\$4,897,773	\$4,897,773
	Return on Deemed Equity	\$8,090,209	\$7,670,276	\$7,670,276
8	Service Revenue Requirement (before Revenues)	<u>\$36,594,074</u>	<u>\$34,980,324</u>	<u>\$34,980,324</u>
9	Revenue Offsets	\$1,181,606	\$1,223,596	\$1,223,596
10	Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)	<u>\$35,412,468</u>	<u>\$33,756,728</u>	<u>\$33,756,728</u>
11	Distribution revenue	\$35,412,468	\$33,756,728	\$33,756,728
12	Other revenue	\$1,181,606	\$1,223,596	\$1,223,596
13	Total revenue	<u>\$36,594,074</u>	<u>\$34,980,324</u>	<u>\$34,980,324</u>
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	<u>\$0 (1)</u>	<u>\$0 (1)</u>	<u>\$0 (1)</u>

Notes

(1) Line 11 - Line 8

Revenue Requirement Workform (RRWF) for 2016 Filers

Tracking Form

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated.

(1) Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

(2) Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ IndustryRelations@ontarioenergyboard.ca.

Summary of Proposed Changes

Reference ⁽¹⁾	Item / Description ⁽²⁾	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 13,427,518	6.17%	\$ 217,478,742	\$ 177,783,549	\$ 23,111,861	\$ 8,151,672	\$ 803,815	\$ 13,721,334	\$ 36,594,074	\$ 1,181,606	\$ 35,412,468	\$ 4,154,517
1	Board Staff R # 21												
	Change Working Capital Allowance % to 7.5%	\$ 19,809,802	6.17%	\$ 207,770,846	\$ 177,783,549	\$ 13,333,766	\$ 8,161,672	\$ 873,668	\$ 13,721,334	\$ 36,869,213	\$ 1,181,606	\$ 34,677,606	\$ 3,416,854
	Change	\$ 603,717	0.00%	\$ 8,779,098	\$ -	\$ 9,778,095	\$ -	\$ 131,146	\$ -	\$ 734,863	\$ -	\$ 734,863	\$ 734,863
2	VECC # 10 / EP # 14 / SEC # 37												
	Update 2015 & 2016 LRT Capital Additions	\$ 12,874,063	6.17%	\$ 208,514,711	\$ 177,783,549	\$ 13,333,766	\$ 8,172,436	\$ 667,598	\$ 13,721,334	\$ 35,926,165	\$ 1,181,606	\$ 34,743,559	\$ 3,485,686
	Change	\$ 50,262	0.00%	\$ 814,085	\$ -	\$ -	\$ 20,763	\$ 5,070	\$ -	\$ 65,954	\$ -	\$ 65,954	\$ 65,954
3	VECC # 10 / EP # 14 / SEC # 37												
	Update 2015 & 2016 All Other (Non-LRT) Capital Additions	\$ 12,834,847	6.17%	\$ 207,879,536	\$ 177,783,549	\$ 13,333,766	\$ 8,157,240	\$ 667,961	\$ 13,721,334	\$ 35,871,116	\$ 1,181,606	\$ 34,689,510	\$ 3,431,559
	Change	\$ 39,217	0.00%	\$ 635,174	\$ -	\$ -	\$ 15,194	\$ 362	\$ -	\$ 54,049	\$ -	\$ 54,049	\$ 54,049
4	1-Staff-149												
	Adjust Revenue Offset Appendix 2-FC	\$ 12,834,847	6.17%	\$ 207,879,536	\$ 177,783,549	\$ 13,333,766	\$ 8,157,240	\$ 667,961	\$ 13,721,334	\$ 35,871,116	\$ 1,183,596	\$ 34,687,520	\$ 3,429,589
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,990	\$ -	\$ 1,990	\$ 1,990
5	4-VECC-36												
	Increase Regulatory Expense - Board Costs	\$ 12,834,883	6.17%	\$ 207,880,298	\$ 177,793,549	\$ 13,334,516	\$ 8,157,240	\$ 667,971	\$ 13,731,334	\$ 35,881,172	\$ 1,183,596	\$ 34,697,576	\$ 3,439,625
	Change	\$ 46	0.00%	\$ 750	\$ 10,000	\$ 750	\$ -	\$ 10	\$ 10,000	\$ 10,056	\$ -	\$ 10,056	\$ 10,056
6	1-Staff-22 & 1-Staff-24												
	Adjust RPP% Res <08, Update Naviant Acq/15 Price	\$ 12,881,291	6.17%	\$ 208,631,771	\$ 187,813,339	\$ 14,086,000	\$ 8,157,240	\$ 678,050	\$ 13,731,334	\$ 35,937,649	\$ 1,183,596	\$ 34,754,053	\$ 3,496,103
	Change	\$ 46,398	0.00%	\$ 751,484	\$ 10,019,790	\$ 751,484	\$ -	\$ 10,079	\$ -	\$ 56,477	\$ -	\$ 56,477	\$ 56,477
7	3-Staff-99 & 3-Staff-131												
	Adjust Loss Factor in Load Forecast	\$ 12,881,291	6.17%	\$ 208,631,771	\$ 187,813,339	\$ 14,086,000	\$ 8,157,240	\$ 678,050	\$ 13,731,334	\$ 35,937,649	\$ 1,183,596	\$ 34,754,053	\$ 3,477,960
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,142
8	4-Energy Probe-40 & 43												
	Correct PILs - Depreciation in Burdens and Donations	\$ 12,881,291	6.17%	\$ 208,631,771	\$ 187,813,339	\$ 14,086,000	\$ 8,157,240	\$ 740,537	\$ 13,731,334	\$ 36,000,135	\$ 1,183,596	\$ 34,816,540	\$ 3,540,447
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ 62,486	\$ -	\$ 62,486	\$ -	\$ 62,486	\$ 62,486
9	JTC1-10												
	Correct Adjustment to Working Cap Allowance OM&A Only	\$ 12,883,979	6.17%	\$ 208,675,315	\$ 188,393,925	\$ 14,129,544	\$ 8,157,240	\$ 741,121	\$ 13,731,334	\$ 36,003,408	\$ 1,183,596	\$ 34,819,812	\$ 3,543,719
	Change	\$ 2,688	0.00%	\$ 43,544	\$ 580,587	\$ 43,544	\$ -	\$ 584	\$ -	\$ 3,273	\$ -	\$ 3,273	\$ 3,273
10	JTC1-21												
	Change 2015 Term Loan in 2016 to 3.43% for \$10M	\$ 12,817,870	6.14%	\$ 208,675,315	\$ 188,393,925	\$ 14,129,544	\$ 8,157,240	\$ 741,121	\$ 13,731,334	\$ 35,937,298	\$ 1,183,596	\$ 34,753,703	\$ 3,477,610
	Change	\$ 66,109	-0.03%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,109	\$ -	\$ 66,109	\$ 66,109
11	Settlement												
	Increase Other Revenue \$40,000	\$ 12,817,870	6.14%	\$ 208,675,315	\$ 188,393,925	\$ 14,129,544	\$ 8,157,240	\$ 741,121	\$ 13,731,334	\$ 35,937,298	\$ 1,223,596	\$ 34,713,703	\$ 3,437,610
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 40,000	\$ 40,000
12	Settlement												
	MS3 out Opening 2016, MS1 out Closing 2016	\$ 12,816,880	6.14%	\$ 208,660,977	\$ 188,383,025	\$ 14,129,544	\$ 8,156,493	\$ 740,659	\$ 13,731,334	\$ 35,935,208	\$ 1,223,596	\$ 34,711,613	\$ 3,435,620
	Change	\$ 891	0.00%	\$ 14,338	\$ -	\$ -	\$ 747	\$ 462	\$ -	\$ 2,089	\$ -	\$ 2,089	\$ 2,089
13	Settlement												
	Decrease 2016 Additions by \$500k	\$ 12,801,828	6.14%	\$ 208,414,152	\$ 188,393,925	\$ 14,129,544	\$ 8,150,144	\$ 742,270	\$ 13,731,334	\$ 35,915,310	\$ 1,223,596	\$ 34,691,714	\$ 3,415,621
	Change	\$ 15,161	0.00%	\$ 246,835	\$ -	\$ -	\$ 6,340	\$ 1,611	\$ -	\$ 19,899	\$ -	\$ 19,899	\$ 19,899
14	Settlement												
	Change 2016 Term Loan Jn-Dec 2016 to 3.43% for \$7.2M	\$ 12,774,648	6.13%	\$ 208,414,152	\$ 188,393,925	\$ 14,129,544	\$ 8,150,144	\$ 742,270	\$ 13,731,334	\$ 35,888,130	\$ 1,223,596	\$ 34,664,534	\$ 3,388,441
	Change	\$ 27,180	-0.01%	\$ -	\$ -	\$ -	\$ -	\$ 0	\$ -	\$ 27,180	\$ -	\$ 27,180	\$ 27,180
15	Settlement												
	Decrease \$10M OM&A in 2016	\$ 12,773,223	6.13%	\$ 208,380,802	\$ 188,083,025	\$ 14,106,294	\$ 8,150,144	\$ 741,868	\$ 13,421,334	\$ 35,576,303	\$ 1,223,596	\$ 34,352,707	\$ 3,076,794
	Change	\$ 1,425	0.00%	\$ 23,250	\$ 310,000	\$ 23,250	\$ -	\$ 312	\$ 310,000	\$ -	\$ -	\$ 311,737	\$ 311,737
16	Settlement												
	Change LF to 1540 GWh, Add 146 Res, 10 <50 Cust, Adj 2014 CDM / Persistence	\$ 12,786,026	6.13%	\$ 208,599,775	\$ 190,868,909	\$ 14,315,168	\$ 8,150,144	\$ 744,760	\$ 13,421,334	\$ 35,591,997	\$ 1,223,596	\$ 34,368,401	\$ 2,697,789
	Change	\$ 12,803	0.00%	\$ 208,874	\$ 2,784,984	\$ 208,874	\$ -	\$ 2,801	\$ -	\$ 15,604	\$ -	\$ 15,604	\$ 378,915
17	Settlement												
	Adjust 2 Assets Outside Kinectrics Range	\$ 12,788,279	6.13%	\$ 208,636,537	\$ 190,868,909	\$ 14,315,168	\$ 8,076,620	\$ 718,744	\$ 13,421,334	\$ 35,494,711	\$ 1,223,596	\$ 34,271,115	\$ 2,600,502
	Change	\$ 2,253	0.00%	\$ 36,762	\$ -	\$ -	\$ 73,524	\$ 26,016	\$ -	\$ 97,286	\$ -	\$ 97,286	\$ 97,286
18	Settlement												
	OPEB Changes to OM&A Capital and Deferral	\$ 12,789,672	6.13%	\$ 208,659,273	\$ 190,606,909	\$ 14,295,518	\$ 8,077,849	\$ 718,252	\$ 13,159,334	\$ 35,234,841	\$ 1,223,596	\$ 34,011,245	\$ 2,340,632
	Change	\$ 1,354	0.00%	\$ 22,736	\$ 262,000	\$ 19,650	\$ 1,229	\$ 492	\$ 262,000	\$ 259,870	\$ -	\$ 259,870	\$ 259,870
19	Settlement												
	Correct Rate Base Calculation re: MS3 Opening	\$ 12,789,608	6.13%	\$ 208,658,217	\$ 190,606,909	\$ 14,295,518	\$ 8,077,849	\$ 718,238	\$ 13,159,334	\$ 35,234,762	\$ 1,223,596	\$ 34,011,166	\$ 2,340,553
	Change	\$ 65	0.00%	\$ 1,056	\$ -	\$ -	\$ -	\$ 14	\$ -	\$ 79	\$ -	\$ 79	\$ 79
20	Settlement												
	MS3 adjust 2016 CCA for Disposal	\$ 12,789,608	6.13%	\$ 208,658,217	\$ 190,606,909	\$ 14,295,518	\$ 8,077,849	\$ 718,460	\$ 13,159,334	\$ 35,234,968	\$ 1,223,596	\$ 34,011,388	\$ 2,340,775
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ 222	\$ -	\$ 222	\$ -	\$ 222	\$ 222
21	Settlement												
	Adj CDM % to Rate Classes in Load Forecast - Enerov Tab	\$ 12,789,608	6.13%	\$ 208,658,217	\$ 190,606,909	\$ 14,295,518	\$ 8,077,849	\$ 718,460	\$ 13,159,334	\$ 35,234,968	\$ 1,223,596	\$ 34,011,388	\$ 2,341,887
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,112
22	Settlement Update												
	Adjust to 2016 Cost of Capital Parameters	\$ 12,568,048	6.02%	\$ 208,658,217	\$ 190,606,909	\$ 14,295,518	\$ 8,077,849	\$ 695,308	\$ 13,159,334	\$ 34,980,324	\$ 1,223,596	\$ 33,756,728	\$ 2,087,227
	Change	\$ 221,559	-0.11%	\$ -	\$ -	\$ -	\$ -	\$ 33,101	\$ -	\$ 254,660	\$ -	\$ 254,660	\$ 254,660