



September 28, 2015

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
P.O. Box 2319
27th Floor – 2300 Yonge Street
Toronto, ON M4P 1E4

Submitted via RESS and Courier

Dear Ms. Walli:

Re: EB-2015-0103
Thunder Bay Hydro Electricity Distribution Inc.
Incentive Regulation Mechanism Application for Distribution Rates Effective May 1, 2016

Thunder Bay Hydro Electricity Distribution Inc. ("Thunder Bay Hydro") is pleased to submit to the Ontario Energy Board its 2016 Price Cap IRM Distribution Rate application.

The application is in accordance with the Ontario Energy Board *Filing Requirements for Electricity Distribution Rate Applications – 2015 edition for 2016 Rate Applications - Chapter 3 – Incentive Regulation*, dated July 16, 2015.

Further to the Board's filing guidelines, an electronic copy of Thunder Bay Hydro's 2016 IRM Rate Application will be submitted through the Ontario Energy Board's e-Filing Services.

If you require any further information, please contact the undersigned at (807) 343-1118.

Yours truly,

Original Signed By

Cindy Speziale, CPA, CA
Vice President, Finance

CS/sl
Enclosures.



THUNDER BAY HYDRO ELECTRICITY DISTRIBUTION INC.

2016 ELECTRICITY DISTRIBUTION RATE APPLICATION

EB-2015-0103

Table of Contents

APPLICATION	4
MANAGER’S SUMMARY	5
1.1 Introduction.....	5
1.2 Relief Sought.....	5
1.3 Publication of Notice.....	5
1.4 List of Attachments.....	5
1.5 Electronic Models – Accuracy of Calculations and Data	6
1.6 Contact Information	6
1.7 Certification of Evidence.....	6
1.8 Annual Adjustment Mechanism.....	7
1.9 Revenue to Cost Ratio	7
2.0 Bill Impacts	7
2.1 Rate Design for Residential Electricity Customers	8
2.1.1 Impact at the 10th Percentile of Consumption.....	8
2.2 Electricity Distribution Retail Transmission Service Rates.....	9
2.3 Group 1 Deferral and Variance Account Balances	9
2.3.1 Deferral and Variance Account Balances	9
2.3.2 Wholesale Market Participants	10
2.3.3 Global Adjustment	10
2.3.3.1 Class A Global Adjustment.....	10
2.3.3.2 Global Adjustment Settlement Process	10
2.3.4 LRAMVA.....	11
2.4 Tax Changes	12
2.5 Z-Factor Claims.....	12
2.6 Advanced Capital Model\Incremental Capital Module	12
2.7 Treatment of Costs for “Eligible Investments”.....	12
2.8 Conservation and Demand Management Costs for Distributors.....	12
2.9 Off Ramps	13
2.10 Specific Exclusions from Price Cap IR or Annual IR Index Applications.....	13
APPENDICES.....	14
Appendix A: 2016 Rate Generator Model.....	15
Appendix B: Current Tariff and Schedule of Rates.....	36
Appendix C: Proposed Schedule and Tariff of Rates	47
Appendix D: Bill Impacts	58
Appendix E: LRAMVA	64

ONTARIO ENERGY BOARD

IN THE MATTER OF the Ontario Energy Board Act, 1998, being Schedule B to the Energy Competition Act, 1998, S.O. 1998, c.15;

AND IN THE MATTER OF an Application by Thunder Bay Hydro Electricity Distribution Inc. to the Ontario Energy Board for an Order or Orders approving or fixing just and reasonable rates and other service charges for the distribution of electricity as of May 1, 2016.

APPLICATION

1. Thunder Bay Hydro Electricity Distribution Inc. ("Thunder Bay Hydro") is a distributor as defined in, and is licensed as such under, the *Ontario Energy Board Act, 1998* (the "Act"). Thunder Bay Hydro holds Electricity Distribution Licence ED-2002-0529.
2. Thunder Bay Hydro hereby applies to the Ontario Energy Board (the "Board"), pursuant to section 78 of the Act, for an Order or Orders approving or fixing just and reasonable rates for distribution service effective May 1, 2016. This Application is made in accordance with the Board's update to Chapter 3 of the *Filing Requirements for Electricity Distribution Rate Applications*, issued on July 16, 2015, using 4th Generation IR methodology, including the following:
 - a. An adjustment to the retail transmission service rates as provided in the Board's *Guidelines G-2008-0001: Electricity Distribution Retail Transmission Service Rates (RTSR), Revision 4.0*, issued June 28, 2012;
 - b. An adjustment to the price cap index, as determined by the Board;
 - c. The disposition of the LRAMA amount relating to CDM losses for the fiscal period 2012-2014; and,
 - d. Election to dispose of the Group 1 account balances, per *Section 3.2.5 of Chapter 3 of the Filing Requirements for Electricity Distribution Rate Applications*, issued on July 16, 2015.
3. In the event that the Board is unable to provide a Decision and Order in this Application for implementation by the Applicant as of May 1, 2016, Thunder Bay Hydro requests that the Board issue an Interim Rate Order declaring the current Distribution Rates and Specific Service Charges as interim until the decided implementation date of the approved 2016 distribution rates.
4. In the event that the effective date does not coincide with the Board's decided implementation date for 2016 distribution rates and charges, Thunder Bay Hydro requests permission to recover the incremental revenue from the effective date to the implementation date.
5. Thunder Bay Hydro has used the Board's Excel Models: 2016 IRM Rate Generator ("2016 Rate Model") version 1.0 posted September 14, 2015. Board staff updated this model to determine class specific Global Adjustment rate riders which exclude Class A customer volumes. The rates for which approval is sought are shown on Tab 17 "Final Tariff Schedule" of the 2016 Rate Model.
6. This Application is supported by the written evidence comprising of a Manager's Summary, excel model, and appendices. Thunder Bay Hydro may amend or supplement this written evidence prior to or during the course of the Board's hearing of this Application.

MANAGER'S SUMMARY

1.1 Introduction

Thunder Bay Hydro is a corporation incorporated pursuant to the Ontario Business Corporations Act with its head office in the City of Thunder Bay. Thunder Bay Hydro carries on the business of distributing electricity within the City of Thunder Bay and Fort William First Nation Reserve.

Thunder Bay Hydro is submitting an Incentive Rate Mechanism application, applying for 2016 electricity distribution rates and other charges effective May 1, 2016. Thunder Bay Hydro has chosen to file its 2016 Distribution Rate Application under the Price Cap Incentive Rate adjustment option.

This application has been prepared in accordance with the Board's updated *Chapter 3 of the Filing Requirements for Electricity Distribution Rate Applications, – 2015 edition for 2016 Rate Applications*, issued July 16, 2015 ("2016 Filing Requirements").

Thunder Bay Hydro requests that this Application be disposed of by way of a written hearing.

1.2 Relief Sought

- Thunder Bay Hydro applies for an Order or Orders approving the proposed distribution rates and other charges set out in this Application as just and reasonable rates and charges pursuant to Section 78 of the Board Act, to be effective May 1, 2016; and
- In the event that the Board is unable to provide a Decision and Order in this Application for implementation by the Applicant as of May 1, 2016, Thunder Bay Hydro requests that the Board issue an Interim Rate Order declaring the current Distribution Rates and Specific Service Charges as interim until the decided implementation date of the approved 2016 distribution rates; and,
- In the event that the effective date does not coincide with the Board's decided implementation date for 2016 distribution rates and charges, Thunder Bay Hydro requests permission to recover the incremental revenue from the effective date to the implementation date.

1.3 Publication of Notice

The persons affected by this Application are the ratepayers of Thunder Bay Hydro who reside within the City of Thunder Bay and Fort William First Nation Reserve.

Thunder Bay Hydro understands that the Board has retained a third party to assess the appropriate publication treatment for a Notice of Application. As such, Thunder Bay Hydro is not at this time proposing a treatment for the Notice of Application and awaits direction from the Board on this matter.

1.4 List of Attachments

The following is a list of attachments to this application;

Appendix A – 2016 Rate Generator Model – filed in both PDF and excel formats;
Appendix B – Current Schedule of Tariff and Rates;
Appendix C – Proposed Schedule of Tariff and Rates;
Appendix D – Bill Impacts; and
Appendix E – LRAMVA.

1.5 Electronic Models – Accuracy of Calculations and Data

Thunder Bay Hydro has used the Board's 2016 IRM Rate Generator, issued by the Board on September 14, 2015. Thunder Bay Hydro has completed the 2016 Rate Model in accordance with the Board staff instructions. Thunder Bay Hydro does not have any unique rate classes.

The model was pre-populated with distributor-specific data for Thunder Bay Hydro, including Thunder Bay Hydro's most recent tariff of rates and charges, load and customer data and Group 1 DVA balances.

Thunder Bay Hydro confirms that the tariff of rates and charges is accurate, as included in Tab 2 of the model. Thunder Bay Hydro confirms the accuracy of the pre-populated billing determinates and customer volume, as included in Tab 4 of the model. Additionally, Thunder Bay Hydro has completed Tab 3 – 2015 Continuity Schedule and confirms the entries in column AZ, representing Group 1 Deferral and Variance Account balances as of December 31, 2014 are accurate.

Thunder Bay Hydro confirms that it has not diverged from the Board's model concept or modified the 2016 Rate Model. Board staff made modifications to the 2016 Rate Model to exclude Class A volume when determining GA rate riders. Thunder Bay Hydro confirms that the model is correctly calculating the GA rate rider among all classes.

Note, that the presentation Proposed Tariff of Rates and Charges in Appendix C (separate export to excel file) has been modified in several instances:

- 1) EB file number incorrectly references last year IRM file submission and has been changed to reflect the currently assigned file number of EB-2015-0103 on all pages.
- 2) All Rate classes (exception for Sentinel and Microfit) require the statement "Applicable only for Non-RPP Customers" onto the Global Adjustment Rate Rider. In addition, General Service 1,000 to 4,999 KW Service Classification requires further clarification as follows - "Applicable only for Non-RPP Customers, excluding Class A customers".
- 3) Sentinel Service Classification, where in the first paragraph, "detailsare" has been changed to "details are".

1.6 Contact Information

The following is the contact information for Thunder Bay Hydro in this proceeding:

Applicant's Address for Service: 34 Cumberland St. N.
Thunder Bay, Ontario
P7A 4L4

Primary Contact for Electricity Distribution Licence:

Cindy Speziale, CPA, CA	Phone:	807-343-1118
Vice President, Finance	Fax:	807-343-1009
	Email:	cspeziale@tbhydro.on.ca

Primary Contact for the Application:

Sandra Leonetti, FCPA, FCMA	Phone:	807-343-1016
Supervisor, Business &	Fax:	807-343-1009
Regulatory Affairs	Email:	sleonetti@tbhydro.on.ca

1.7 Certification of Evidence

Thunder Bay Hydro's Vice President of Finance certifies that the evidence filed in its 2016 IRM Rate Application is accurate to the best of her knowledge and belief.

1.8 Annual Adjustment Mechanism

In calculating 2016 rates, Thunder Bay Hydro has applied a Price Cap Adjustment of 1.30% to its Base Distribution Rates, which are the rate-setting parameters provided by the Board's 2016 Rate Generator Model (Stretch Factor Group III). Thunder Bay Hydro acknowledges that Board staff will update the 2016 Rate Generator Model with the final parameters which will be established by the Board in the supplemental report on the Renewed Regulatory Framework for Electricity (RRFE).

1.9 Revenue to Cost Ratio

Thunder Bay Hydro is not seeking any revenue to cost ratio adjustments in this application.

In Thunder Bay Hydro's Draft Rate Order issued April 24, 2013, for its 2013 Cost of Service Application (EB-2012-0167, page 9), the Board stated that no further revenue-to-cost ratio adjustments would be required for the 2014 to 2016 rate years; however, Thunder Bay Hydro's revenue-to-cost ratios remain subject to further Board policy changes of general application over this period.

2.0 Bill Impacts

Thunder Bay Hydro customers will begin to see a number of changes to their bill beginning in 2016. The Ontario Electricity Support Program funding charge, the elimination of the Debt Retirement charge for primarily residential class customers, the elimination of the Ontario Clean Energy Benefit (OCEB) for all customers who currently receive it, and the movement of the distribution volumetric rate to the adjusted fixed distribution rates over an expected 4 year period.

The following Table 2.0.1 includes a summary of the bill impacts for each rate class, based on the outcomes of the detailed bill impacts in Tab 18 of the 2016 IRM Rate Generator Model.

Table 2.0.1: Summary of Bill Impacts

Rate Class	A		B		C	
	Impact to Distribution, excluding pass through (sub-total A)		Impact to Total Bill (before OCEB removal, including HST)		Impact to Total Bill (after OCEB removal, including HST)	
	\$	%	\$	%	\$	%
Residential	(\$0.30)	-1.30%	(\$6.50)	-4.53%	\$7.84	6.08%
General Service <50 kW	\$1.75	3.23%	\$2.40	0.68%	\$37.53	11.87%
General Service > 50 to 999 kW	\$7.43	1.63%	\$293.66	4.39%	\$293.66	4.39%
General Service > 1000 kW	\$153.92	2.08%	\$4,939.37	4.23%	\$4,939.37	4.23%
Unmetered Scattered Load	\$0.06	0.71%	\$0.10	0.32%	\$3.25	11.47%
Sentinel Lights	\$0.07	0.91%	\$0.07	0.38%	\$1.86	11.55%
Street Lighting	(\$121.43)	-0.74%	\$6,246.29	4.45%	\$6,246.29	4.45%
Residential 10th percentile	\$1.36	8.36%	(\$0.49)	-0.85%	\$5.30	10.17%

Thunder Bay Hydro notes the total bill impacts for several classes of customers exceed the 10% threshold (Section C) above which mitigation measures must be considered by distributors. It is important to note that the bill impacts before the OCEB impact (Section B) are significantly below the mitigation threshold and as a result, Thunder Bay Hydro does not propose any mitigation measures for these

customer classes. Thunder Bay Hydro has no proposals available which would have a significant mitigating effect against the impact of the removal of the OCEB.

2.1 Rate Design for Residential Electricity Customers

Distributors are expected to transition to a fully fixed monthly distribution service charge for residential customers, to be implemented over a period of four years, beginning in 2016.

Tab 15 of the completed 2016 IRM Rate Generator Model sets out the first of four transition steps for the Residential class towards fully fixed rates. The current revenue split of 62.0% fixed rate revenue, 38.0% variable rate revenue, is calculated based on the current 2015 rates from the EB-2014-0114 board approved monthly and variable distribution rates multiplied by the EB-2012-0167 2013 Cost of Service forecasted customer number and kWh. This current split will require an annual increase in fixed proportion of 9.5% and corresponding decrease in the variable proportion of 9.5%. For 2016, this means an increase of \$1.99, before the price cap adjustment to the fixed charge, and a decrease of \$.0031 to variable charge.

As the annual increase in the fixed monthly charge will be less than \$4, in accordance with the Board's direction from *A New Distribution Rate Design for Residential Electricity Customers* (EB-2014-0210, released April 2, 2015), no mitigation measures will be necessary.

Thunder Bay Hydro is not proposing further changes in rate design.

2.1.1 Impact at the 10th Percentile of Consumption

In accordance with section 3.2.3 of the *2016 Filing Requirements*, Thunder Bay Hydro has assessed the 10th consumption percentile within its Residential class.

Thunder Bay Hydro extracted residential consumption data from its information system for the 2014 calendar year for all customers with a full year of data. Only the data for customers with 12 months of data was used to calculate a seasonally normalized average consumption. Thunder Bay Hydro sorted the data set of 39,212 records in ascending order based on average monthly consumption per customer. The 10th consumption percentile of this data set was 264 kWh and was found on the 3,921st entry.

The total bill impact calculated for this sub-group is 10.17%, which is slightly above the mitigation threshold. As per the *2016 Filing Requirements*, given that the total bill impact for this sub-group is greater than 10%, a mitigation plan is required or indication of why such a plan is not required.

The Rate Design Transition has calculated a monthly fixed charge of \$1.99, well within the \$4 threshold set by the Board. The primary driver for the increase is the removal of the OCEB, which results in a bill increase of \$5.79. Before the removal of OCEB, the bill impact for this customer group is -\$\$.49.

Thunder Bay Hydro reviewed the impact of extending the transition to fixed rates from 4 to 5 years, at the 10th percentile consumption. These customers would experience a very marginal reduction of \$.27 (total bill impact would be 9.64%), while creating an increased bill impact to the rest of the Residential rate class from \$7.84 to \$7.93. Given the introduction of new OESP programs to be introduced January 1, 2016, it is expected that the bill impact will naturally fall below the threshold.

As a result, Thunder Bay Hydro does not propose any mitigation measures for this customer sub-group as there are no proposals available which would have a significant mitigating effect against the impact of the removal of the OCEB. In addition, delaying the fixed rate transition from four to five years provides only \$.27 reduction per bill for this customer sub-group. In addition, the new OESP program to be introduced in 2016 is expected to have a positive bill impact to this sub-group.

2.2 Electricity Distribution Retail Transmission Service Rates

Thunder Bay Hydro has used the 2016 Rate Generator Model, Tabs 9 to 14 to calculate the proposed updates to its RTSRs. Thunder Bay Hydro has used the most recent wholesale transmission rates (per the Board's Decision in EB-2014-0357, issued January 8, 2015) in this application.

Thunder Bay Hydro understands that once 2016 UTR rates are determined, Board staff will adjust the 2016 Rate Generator Model to reflect any changes in Hydro One's Sub-Transmission class RTSRs.

2.3 Group 1 Deferral and Variance Account Balances

2.3.1 Deferral and Variance Account Balances

Thunder Bay Hydro is applying to dispose of the balances in its Group 1 Deferral and Variance Accounts, as of December 31, 2014. Projected interest from January 1 2015 – April 30 2016 is calculated using the Board's prescribed interest rates. Quarter 1 of 2015 is calculated using 1.47%, and the remainder of the 2015 year as well as the period of January 1st 2016 to April 30th 2016 is calculated at the Board's most recent prescribed interest rate of 1.10%.

"Tab 3, 2015 Continuity Schedule" of the completed 2016 Rate Generator Model, as of December 31, 2014, agree with those filed with the year end 2014 balances reported on the 2.1.7 RRR filed April 30, 2015 (note, an exception pertains to the LRAM amount of \$57,404, was added to the continuity schedule and had not been reported on the 2014 RRR filing). Excluding LRAM, these balances are consistent with Thunder Bay Hydro's Audited Financial Statements, with the exception of \$9,522.66 pertaining to the RSVA 1589 Global Adjustment carrying charge balance. This difference resulted due to timing, as a final 2.1.7 RRR adjustment to carrying charges had properly reflected the account balance; however, the financial statements had since been finalized, and therefore, understated the carrying charge liability balance by \$9,522.66, and considered to be immaterial.

Upon completion "Tab 3, 2015 Continuity Schedule" of the completed 2016 Rate Generator Model, Thunder Bay Hydro identified that it has inadvertently neglected to journalize the disposal of its 1595 carrying charges in the board approved disposition decision EB-2013-0172 for its 1595 accounts only. The 1595 interest balance that was not journalized amounted to a net balance of \$40,073 (\$1,497+\$40,265-\$1,689). No adjustments have been made to any deferral and variance account balances which were previously approved by the Board on a final basis.

The total amount to be disposed of is \$721,054 (including LRAMVA). The RSVA Global Adjustment balance in account 1589 is \$1,632,777 to be collected from Non-RPP customers (excluding Class A customers). The remaining Group 1 balances total (\$970,047), indicating a refund to customers. The remaining balance of \$58,324 pertains to LRAMVA.

The threshold test, completed by dividing the total claim by the total system kWh, yields a result of \$.0007 kWh, which is below the threshold for disposition of \$.001 per kWh. However, consistent with section 3.2.5 of the *2016 Filing Requirements* and a letter issued by the Board on July 25, 2014, Thunder Bay Hydro is electing to dispose of the balances in the accounts despite the total net claim not meeting the threshold. The components of this claim, which will be allocated and recovered from different groups of customers, meet the materiality threshold when separated. Thunder Bay Hydro is proposing a one-year disposal period for the Group 1 Deferral and Variance Accounts, with rate riders effective until April 30, 2017. Additionally, Thunder Bay Hydro notes that the trending on the USoA Account 1589 – RSVA Global Adjustment has been an increasing debit balance to be collected from customers. Based on this trend, Thunder Bay Hydro expects that not disposing of the balance in this account would result in a large claim for disposition, and therefore, a larger bill impact for Non-RPP customers during Thunder Bay Hydro's next rate application, in addition to higher carrying charges.

2.3.2 Wholesale Market Participants

Thunder Bay Hydro does not participate directly in any of the IESO-administrated markets.

2.3.3 Global Adjustment

The majority of Thunder Bay Hydro's customers are Class B customers. These customers pay the global adjustment ("GA") charge based on the amount of electricity they consume in a month (kWh). Within the Class B group, there are two categories of customers: RPP customers who pay an RPP rate which has a built in GA adjustment component and the remaining Non-RPP customers who pay the Hourly Ontario Electricity Price, who pay a monthly GA price separately on their bills.

For Class B customers, RSVA 1589 GA captures the difference between the amounts billed (or estimated to be billed) to Non-RPP customers and the actual amount paid by the distributor to the IESO for those customers. This is the variance between the final rate for the GA and what is billed to the customers. For Non-RPP customers, this variance is recorded in the USoA account 1589 RSVA GA. For RPP customers, this variance is built into the RPP rate for the following RPP term.

Customers who participate in the Industrial Conservation Initiative ("ICI"), referred to as Class A, pay GA based on their percentage contribution to the top five peak Ontario demand hours (i.e. peak demand factor) over a year-long period. Thunder Bay Hydro settles GA costs with Class A customers on the basis of actual cost, so Class A customers have not contributed to the balance in 1589 RSVA GA for the period they were Class A customers.

Only Non-RPP, Non-Class A customers have contributed to the balance in the RSVA 1589 GA variance account. The balance in this account has been allocated based on Non-RPP, Non – Class A consumption in 2014. A separate rate rider is used to dispose of the balance RSVA 1589 GA.

2.3.3.1 Class A Global Adjustment

The Board has included a new requirement for 2016 Applications in its *2016 Filing Guidelines* for distributors to provide information regarding its Class A customers.

From July 2014 until June 2015, Thunder Bay Hydro had 1 Class A customer with a peak demand factor of .00012165. On July 1, 2015, Thunder Bay Hydro had 1 Class A customer with a peak demand factor of .00019637.

Section 3.2.5.2 of the *2016 Filing Guidelines* requires that distributors propose an approximate allocation for the recovery of the GA variance. As there is only one Class A customer from 2014 through to the current period, there is no residual GA variance balances that have accrued prior to the customer being classified as a Class A customer. As mentioned previously, Thunder Bay Hydro settles GA with Class A customers on a monthly basis and on the basis of actual cost. As a result, Class A customers do not contribute to the balance in RSVA 1589 GA for the period they were Class A customers. The RSVA 1589 GA balance has been allocated to the remaining Non-RPP customers based on the total Non-RPP consumption per class, excluding Class A customers.

2.3.3.2 Global Adjustment Settlement Process

The Board has included a new requirement in its Filing Guidelines for distributors to provide a description of their GA settlement process with the IESO. Questions from the *2016 Filing Guidelines* are underlined below, with corresponding answers provided below each question.

GA rate used

Thunder Bay Hydro uses the first estimate to bill its customers. This treatment is applicable for all customer classes.

Process for providing consumption estimates to IESO

Thunder Bay Hydro settles with the IESO for the estimated difference between spot and RPP pricing, for RPP customers within four business days of month end.

Conventional meters (Designated customers on Tier1\2 pricing) – Total estimated consumption (kWh) is determined by multiplying the current number of active customers (excluding those with retailers) by same month of the previous year's average consumption for that group. This estimated consumption is then split between Tier 1 and Tier 2 pricing based on historical trending.

Time of use meters - Total estimated consumption (kWh) is determined by multiplying the current number of active customers (excluding those with retailers) by same month of the previous year's average consumption for that group. This estimated consumption is then split between on-peak, off-peak and mid-peak, based on historical trending.

Total RPP consumption is then calculated by adding the consumption of customers on conventional meters to the TOU customer consumption.

Thunder Bay Hydro notes that its process for providing consumption (kWh) estimates to the IESO contains some inherent assumptions, in part due to data timing and data limitations. Thunder Bay Hydro performs quarterly true-ups to provide timely adjustments for any variances from the initial estimates.

Describe the true up process to reconcile estimates of RPP and Non-RPP consumption, once actuals are known

Thunder Bay Hydro reconciles the estimates of RPP and Non-RPP consumption to actuals on a quarterly basis.

The total volume is determined by taking the actual kWh volume purchased from the IESO plus any embedded generation volume and less any Class A volume, to determine the total actual volume to be split between RPP and Non-RPP. An IT system query is run, which identifies monthly consumptions for Non-RPP customers, with the difference being RPP volume.

The RPP volume is multiplied by the actual GA rate to determine the GA allocated to RPP customers and is netted against the estimate that was either paid to or received from the IESO on a monthly basis. This difference is then settled with the IESO on a quarterly basis.

The description should detail the treatment of embedded generation or any embedded distribution customers

Embedded generation is taken into consideration with determining the total power purchases for the month.

Distributors are reminded that they are expected to use accrual accounting

Thunder Bay Hydro confirms it uses accrual accounting in its GA settlement process.

2.3.4 LRAMVA

Thunder Bay Hydro acknowledges, in accordance with the Board's Filing Guidelines for Conservation and Demand Management ("CDM"), at minimum, distributors must apply for disposition of the balance in the Lost Revenue Adjustment Mechanism Variance Account ("LRAMVA") at the time of their Cost of Service rate application. Distributors may apply for the disposition of the balance in the LRAMVA on an annual basis, as part of their IRM rate applications, if the balance is deemed significant.

Thunder Bay Hydro notes that the components of this claim, which will be allocated and recovered from different groups of customers, do not meet the materiality threshold, however, Thunder Bay Hydro does consider it important to align the LRAMVA disposition as close as possible to the associated years, in addition to minimizing carrying charges.

Thunder Bay Hydro is applying for disposition of its LRAMVA in its 2016 Rate Application and has included the amount in Tab 3 - Continuity Schedule. The details of this request are included in Appendix E.

2.4 Tax Changes

Under a 4th Generation IR, 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 for a distributor applies. In Thunder Bay Hydro's most recent Cost of Service electricity distribution rate application EB-2012-0167, the corporate tax rate used in this determination was 26.5% for May 1, 2013 rates. Currently there is no known legislated tax changes in 2016 that will apply to the tax level reflected in the Board approved base rates determined in Thunder Bay Hydro's most recent cost of service application.

Thunder Bay Hydro has entered the PILS data from its 2013 Cost of Service Application into "Tab 7 – STS Tax Change". Thunder Bay Hydro is not claiming taxable capital.

2.5 Z-Factor Claims

Thunder Bay Hydro is not applying to recover any extraordinary costs by means of a Z-Factor.

2.6 Advanced Capital Model\Incremental Capital Module

Thunder Bay Hydro is not proposing any Incremental Capital Module cost recovery in this application and as a result, not completed the 2016 Capital Module application to ACM and ICM.

2.7 Treatment of Costs for "Eligible Investments"

Thunder Bay Hydro is not requesting advanced funding for renewable generation connection costs or smart grid development costs at this time.

2.8 Conservation and Demand Management Costs for Distributors

Thunder Bay Hydro confirms, in accordance with the Section 3.3.4 of the *2016 Filing Requirements* that no CDM costs are included in distribution rates. These costs were excluded from Revenue Requirement calculations in Thunder Bay Hydro's 2013 Cost of Service Rate application.

2.9 Off Ramps

Thunder Bay Hydro's RRR April 30, 2015 filing included a regulated achieved ROE for 2014 within the +/- 300 basis point dead band. Thunder Bay Hydro has not exceeded the ROE dead band and continues to request a Price Cap IR adjustment in this application.

2.10 Specific Exclusions from Price Cap IR or Annual IR Index Applications

Thunder Bay Hydro confirms that it does not seek items specifically excluded from the IRM rate application process, in this application.

APPENDICES



Appendix A: 2016 Rate Generator Model




Incentive Regulation Model for 2016 Filers


Version 1.0

Utility Name	Thunder Bay Hydro Electricity Distribution Inc.
Assigned EB Number	EB-2015-0103
Name of Contact and Title	Sandra Leonetti, Supervisor Business and Regulatory Affairs
Phone Number	807 343 1016
Email Address	sleonetti@tbhydro.on.ca
We are applying for rates effective	Sunday, May 01, 2016
Rate-Setting Method	Price Cap IR
Please indicate in which Rate Year the Group 1 accounts were last cleared ¹	2015
Please indicate the last Cost of Service Re-Basing Year	2013

Notes

 Pale green cells represent input cells.

 Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.

 White cells contain fixed values, automatically generated values or formulae.

Note:

1. Rate year of application

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

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.

information into green cells only. COLUMN AZ has been prepopulated from the latest 2.1.7 RRR filing.

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 G/L for which you received approval. For example, if in the 2015 EDR process (CoS or IRM) you received approval for the December 31, 2013 balances, the starting point for your entries below should be the 2012 year. This will allow for the correct starting point for the 2013 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

Account Descriptions		2011									
		Opening Principal Amounts as of Jan- 1-11	Transactions Debit / (Credit) during 2011 excluding interest and adjustments ¹	Board-Approved Disposition during 2011	Adjustments during 2011 - other ¹	Closing Principal Balance as of Dec-31-11	Opening Interest Amounts as of Jan-1-11	Interest Jan-1 to Dec-31-11	Board-Approved Disposition during 2011	Adjustments during 2011 - other ²	Closing Interest Amounts as of Dec-31-11
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance	1551										
RSVA - Wholesale Market Service Charge	1580	(1,361,329)	(1,433,362)	(304,562)		(2,490,129)	(26,555)	(26,238)	(21,069)		(31,724)
RSVA - Retail Transmission Network Charge	1584	715,722	(240,714)	594,149		(119,141)	3,376	5,429	4,228		4,577
RSVA - Retail Transmission Connection Charge	1586	866,018	(428,515)	855,382		(417,879)	7,804	4,669	7,075		5,398
RSVA - Power (excluding Global Adjustment)	1588	(1,133,213)	(1,182,402)	(136,474)		(2,179,141)	(17,845)	(13,203)	(8,965)		(22,083)
RSVA - Global Adjustmnet	1589	1,565,481	996,189	1,702,492		859,178	25,264	13,036	32,672		5,628
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁴	1595_(2008)					0	(71)	0	225		(296)
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁴	1595_(2009)	(175,232)	518,607			343,375	(391,278)	3,087			(388,191)
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁴	1595_(2010)	(723,081)	416,124			(306,957)	200,100	(6,083)			194,017
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁴	1595_(2011)		989,948			989,948	0	32,144			32,144
Disposition and Recovery/Refund of Regulatory Balances (2012) ⁴	1595_(2012)					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013) ⁴	1595_(2013)					0					0
Disposition and Recovery/Refund of Regulatory Balances (2014) ⁴						0					0
<i>Not to be disposed of unless rate rider has expired and balance has been audited</i>	1595_(2014)					0					0
RSVA - Global Adjustment	1589	1,565,481	996,189	1,702,492	0	859,178	25,264	13,036	32,672	0	5,628
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(1,811,115)	(1,360,314)	1,008,495	0	(4,179,924)	(224,469)	(195)	(18,506)	0	(206,158)
Total Group 1 Balance		(245,634)	(364,125)	2,710,987	0	(3,320,746)	(199,205)	12,841	14,166	0	(200,530)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568					0					0
Total including Account 1568		(245,634)	(364,125)	2,710,987	0	(3,320,746)	(199,205)	12,841	14,166	0	(200,530)

For all Board-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 Board decision.

¹ Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board 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, 2016, the projected interest is recorded from January 1, 2015 to December 31, 2015 on the December 31, 2014 balances adjusted for the disposed balances approved by the Board in the 2015 rate decision. If the LDC's rate year begins on May 1, 2016, the projected interest is recorded from January 1, 2015 to April 30, 2016 on the December 31, 2014 balances adjusted for the disposed interest balances approved by the Board in the 2015 rate decision.

⁴ Include Account 1595 as part of Group 1 accounts (lines 31-37) 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.

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

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 G/L for which you received approval. For example, if in the 2015 EDR process (CoS or IRM) you received approval for the December 31, 2013 balances, the starting point for your entries below should be the 2012 year. This will allow for the correct starting point for the 2013 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

		2012									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan- 1-12	Transactions Debit / (Credit) during 2012 excluding interest and adjustments ²	Board-Approved Disposition during 2012	Adjustments during 2012 - other ¹	Closing Principal Balance as of Dec-31-12	Opening Interest Amounts as of Jan-1-12	Interest Jan-1 to Dec-31-12	Board-Approved Disposition during 2012	Adjustments during 2012 - other ²	Closing Interest Amounts as of Dec-31-12
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance	1551										
RSVA - Wholesale Market Service Charge	1580	(2,490,129)	(1,482,161)	(1,056,767)		(2,915,524)	(31,724)	(37,648)	(22,513)		(46,859)
RSVA - Retail Transmission Network Charge	1584	(119,141)	(237,063)	121,573		(477,777)	4,577	(5,263)	3,846		(4,532)
RSVA - Retail Transmission Connection Charge	1586	(417,879)	(633,383)	10,636		(1,061,898)	5,398	(11,233)	5,077		(10,912)
RSVA - Power (excluding Global Adjustment)	1588	(2,179,141)	(194,328)	(996,739)		(1,376,730)	(22,083)	(52,129)	(24,201)		(50,011)
RSVA - Global Adjustment	1589	859,178	990,790	(137,011)		1,986,979	5,628	22,350	(1,080)		29,058
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁴	1595_(2008)	0				0	(296)	0	(296)		0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁴	1595_(2009)	343,375	(364)			343,011	(388,191)	5,048	0		(383,143)
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁴	1595_(2010)	(306,957)	(347)			(307,304)	194,017	(4,512)	0		189,505
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁴	1595_(2011)	989,948	(856,050)			133,898	32,144	5,498	0		37,642
Disposition and Recovery/Refund of Regulatory Balances (2012) ⁴	1595_(2012)	0	2,030,596	2,848,731		(818,135)	0	(213,315)	0		(213,315)
Disposition and Recovery/Refund of Regulatory Balances (2013) ⁴	1595_(2013)	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014) ⁴											
Not to be disposed of unless rate rider has expired and balance has been audited	1595_(2014)	0				0	0				0
RSVA - Global Adjustment	1589	859,178	990,790	(137,011)	0	1,986,979	5,628	22,350	(1,080)	0	29,058
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(4,179,924)	(1,373,100)	927,434	0	(6,480,459)	(206,158)	(313,554)	(38,087)	0	(481,625)
Total Group 1 Balance		(3,320,746)	(382,310)	790,423	0	(4,493,480)	(200,530)	(291,204)	(39,167)	0	(452,567)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568				66,287	66,287				447	447
Total including Account 1568		(3,320,746)	(382,310)	790,423	66,287	(4,427,193)	(200,530)	(291,204)	(39,167)	447	(452,120)

For all Board-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 Board decision.

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

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

If the LDC's rate year begins on January 1, 2016, the projected interest is recorded from January 1, 2015 to December 31, 2015 on the December 31, 2014 balances adjusted for the disposed balances approved by the Board in the 2015 rate decision. If the LDC's rate year begins on May 1, 2016, the projected interest is recorded from January 1, 2015 to April 30, 2016 on the December 31, 2014 balances adjusted for the disposed interest balances approved by the Board in the 2015 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 31-37) 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.

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

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 G/L for which you received approval. For example, if in the 2015 EDR process (CoS or IRM) you received approval for the December 31, 2013 balances, the starting point for your entries below should be the 2012 year. This will allow for the correct starting point for the 2013 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

		2013									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan- 1-13	Transactions Debit / (Credit) during 2013 excluding interest and adjustments ²	Board-Approved Disposition during 2013	Adjustments during 2013 - other ¹	Closing Principal Balance as of Dec-31-13	Opening Interest Amounts as of Jan-1-13	Interest Jan-1 to Dec-31-13	Board-Approved Disposition during 2013	Adjustments during 2013 - other ²	Closing Interest Amounts as of Dec-31-13
Group 1 Accounts											
LV Variance Account	1550	C				0	0				0
Smart Metering Entity Charge Variance	1551	C	(2,727)			(2,727)	0	182			182
RSVA - Wholesale Market Service Charge	1580		(2,915,524)	(810,505)	(1,433,362)	(2,292,667)	(46,859)	(36,433)	(37,305)		(45,987)
RSVA - Retail Transmission Network Charge	1584		(477,777)	(172,371)	(240,714)	(409,434)	(4,532)	(6,265)	(3,987)		(6,810)
RSVA - Retail Transmission Connection Charge	1586		(1,061,898)	(547,630)	(428,515)	(1,181,013)	(10,912)	(15,810)	(8,078)		(18,644)
RSVA - Power (excluding Global Adjustment)	1588		(1,376,730)	(410,126)	(1,182,402)	(182,034)	(50,011)	21,556	(21,057)	(9,213)	(16,611)
RSVA - Global Adjustment	1589		1,986,979	1,904,373	996,189	(132,993)	29,058	(2,501)	26,233	(22,782)	(22,458)
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁴	1595_(2008)	C				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁴	1595_(2009)		343,011	36	343,058	(11)	(383,143)	1,261	(381,882)		(0)
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁴	1595_(2010)		(307,304)	23	(307,273)	(8)	189,505	(1,129)	188,376		(0)
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁴	1595_(2011)		133,898	2,166		136,064	37,642	(36,640)			1,002
Disposition and Recovery/Refund of Regulatory Balances (2012) ⁴	1595_(2012)		(818,135)	1,005,278		187,143	(213,315)	39,247			(174,068)
Disposition and Recovery/Refund of Regulatory Balances (2013) ⁴	1595_(2013)	C		1,732,769	2,275,482	(542,713)	0	(239,847)			(239,847)
Disposition and Recovery/Refund of Regulatory Balances (2014) ⁴											
Not to be disposed of unless rate rider has expired and balance has been audited	1595_(2014)	C				0	0				0
RSVA - Global Adjustment	1589		1,986,979	1,904,373	996,189	(132,993)	29,058	(2,501)	26,233	(22,782)	(22,458)
Total Group 1 Balance excluding Account 1589 - Global Adjustment			(6,480,459)	796,913	(973,726)	422,420	(481,625)	(273,879)	(263,933)	(9,213)	(500,784)
Total Group 1 Balance			(4,493,480)	2,701,286	22,463	(4,420,393)	(452,567)	(276,380)	(237,700)	(31,995)	(523,241)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568		66,287		(41,737)	24,550	447			693	1,140
Total including Account 1568			(4,427,193)	2,701,286	22,463	(4,395,843)	(452,120)	(276,380)	(237,700)	(31,302)	(522,101)

For all Board-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 Board decision.

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

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

If the LDC's rate year begins on January 1, 2016, the projected interest is recorded from January 1, 2015 to December 31, 2015 on the December 31, 2014 balances adjusted for the disposed balances approved by the Board in the 2015 rate decision. If the LDC's rate year begins on May 1, 2016, the projected interest is recorded from January 1, 2015 to April 30, 2016 on the December 31, 2014 balances adjusted for the disposed interest balances approved by the Board in the 2015 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 31-37) 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.

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

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 G/L for which you received approval. For example, if in the 2015 EDR process (CoS or IRM) you received approval for the December 31, 2013 balances, the starting point for your entries below should be the 2012 year. This will allow for the correct starting point for the 2013 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

		2014									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan- 1-14	Transactions Debit / (Credit) during 2014 excluding interest and adjustments ²	Board-Approved Disposition during 2014	Adjustments during 2014 - other ¹	Closing Principal Balance as of Dec-31-14	Opening Interest Amounts as of Jan-1-14	Interest Jan-1 to Dec-31-14	Board-Approved Disposition during 2014	Adjustments during 2014 - other ²	Closing Interest Amounts as of Dec-31-14
Group 1 Accounts											
LV Variance Account	1550	C				0	0				C
Smart Metering Entity Charge Variance	1551	(2,727)	748			(1,978)	182	(10)			172
RSVA - Wholesale Market Service Charge	1580	(2,292,667)	(187,523)	(1,482,161)		(998,030)	(45,987)	(13,776)	(38,604)		(21,159)
RSVA - Retail Transmission Network Charge	1584	(409,434)	(239,970)	(237,064)		(412,340)	(6,810)	(5,143)	(5,191)		(6,762)
RSVA - Retail Transmission Connection Charge	1586	(1,181,013)	(429,963)	(633,383)		(977,593)	(18,644)	(13,987)	(15,248)		(17,383)
RSVA - Power (excluding Global Adjustment)	1588	(182,034)	(418,549)	(194,328)		(175,670)	(16,611)	(31,012)	(32,763)	4,641	(10,218)
RSVA - Global Adjustment	1589	(132,993)	1,893,561	990,790	(302,205)	467,574	(22,458)	41,349	22,245	(46,768)	(50,121)
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁴	1595_(2008)	C				0	0				C
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁴	1595_(2009)	(11)	5	(364)		358	(0)		(1,689)		1,692
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁴	1595_(2010)	(8)	4	(347)		343	(0)		1,497		(1,494)
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁴	1595_(2011)	136,064	(34)	133,898		2,132	1,002	687	40,266		(38,578)
Disposition and Recovery/Refund of Regulatory Balances (2012) ⁴	1595_(2012)	187,143	372	(3)		187,518	(174,068)	2,756			(171,312)
Disposition and Recovery/Refund of Regulatory Balances (2013) ⁴	1595_(2013)	(542,713)	709,476	(178,938)		345,702	(239,847)	2,295			(237,552)
Disposition and Recovery/Refund of Regulatory Balances (2014) ⁴											
Not to be disposed of unless rate rider has expired and balance has been audited	1595_(2014)	C	936,478	1,422,959		(486,480)	0	(79,708)			(79,708)
RSVA - Global Adjustment	1589	(132,993)	1,893,561	990,790	(302,205)	467,574	(22,458)	41,349	22,245	(46,768)	(50,121)
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(4,287,400)	371,046	(1,169,731)	230,585	(2,516,037)	(500,784)	(137,892)	(51,732)	4,641	(582,301)
Total Group 1 Balance		(4,420,393)	2,264,607	(178,942)	(71,619)	(2,048,463)	(523,241)	(96,542)	(29,487)	(42,126)	(632,423)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	24,550			31,143	55,694	1,140			571	1,711
Total including Account 1568		(4,395,843)	2,264,607	(178,942)	(40,476)	(1,992,770)	(522,101)	(96,542)	(29,487)	(41,555)	(630,712)

For all Board-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 Board decision.

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

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

If the LDC's rate year begins on January 1, 2016, the projected interest is recorded from January 1, 2015 to December 31, 2015 on the December 31, 2014 balances adjusted for the disposed balances approved by the Board in the 2015 rate decision. If the LDC's rate year begins on May 1, 2016, the projected interest is recorded from January 1, 2015 to April 30, 2016 on the December 31, 2014 balances adjusted for the disposed interest balances approved by the Board in the 2015 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 31-37) 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.

Incentive Regulation Model for 2016 Filers

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

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 G/L for which you received approval. For example, if in the 2015 EDR process (CoS or IRM) you received approval for the December 31, 2013 balances, the starting point for your entries below should be the 2012 year. This will allow for the correct starting point for the 2013 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

****Auto-populated by Rate Generator****

Account Descriptions		2015				Projected Interest on Dec-31-14 Balances			As of Dec 31, 2014 (RRR - 2.1.7) April 30, 2015	Variance RRR vs. 2014 Balance (Principal + Interest)
		Principal Disposition during 2015 - Instructed by Board	Interest Disposition during 2015 - Instructed by Board	Closing Principal Balances as of Dec 31, 2014 Adjusted for Dispositions during 2015	Closing Interest Balances as of Dec 31, 2014 Adjusted for Dispositions during 2015	Projected Interest from Jan 1, 2015 to December 31, 2015 on Dec 31, 2014 balance adjusted for disposition during 2015 ³	Projected Interest from January 1, 2016 to April 30, 2016 on Dec 31, 2014 balance adjusted for disposition during 2014 ³	Total Claim		
Group 1 Accounts										
LV Variance Account	1550			0	0			0	0	0
Smart Metering Entity Charge Variance	1551	(2,727)	128	749	44	9	3	805	(1,805)	0
RSVA - Wholesale Market Service Charge	1580	(810,506)	(23,269)	(187,524)	2,110	(2,236)	(688)	(188,337)	(1,019,189)	(0)
RSVA - Retail Transmission Network Charge	1584	(172,371)	(4,998)	(239,969)	(1,765)	(2,862)	(880)	(245,475)	(419,101)	0
RSVA - Retail Transmission Connection Charge	1586	(547,630)	(14,129)	(429,963)	(3,254)	(5,127)	(1,577)	(439,920)	(994,976)	0
RSVA - Power (excluding Global Adjustment)	1588	12,294	16,393	(187,964)	(26,611)	(2,241)	(689)	(217,505)	(185,887)	0
RSVA - Global Adjustment	1589	(1,123,783)	(66,729)	1,591,357	16,608	18,977	5,835	1,632,777	417,453	0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁴	1595_(2008)			0	0	0	0	0	0	(0)
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁴	1595_(2009)	353	1,696	5	(4)	0	0	1	361	(1,689)
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁴	1595_(2010)	339	(1,491)	4	(3)	0	0	1	346	1,497
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁴	1595_(2011)	2,166	(39,222)	(34)	644	(0)	(0)	609	3,819	40,265
Disposition and Recovery/Refund of Regulatory Balances (2012) ⁴	1595_(2012)	(5,086)	18,060	192,604	(189,372)	2,297	706	6,235	16,206	(0)
Disposition and Recovery/Refund of Regulatory Balances (2013) ⁴	1595_(2013)	0	0	345,702	(237,552)	4,122	1,268	113,540	108,150	(0)
Disposition and Recovery/Refund of Regulatory Balances (2014) ⁴	1595_(2014)	0	0	(486,480)	(79,708)	(5,801)	(1,784)	0	(566,188)	0
<i>Not to be disposed of unless rate rider has expired and balance has been audited</i>										
RSVA - Global Adjustment	1589	(1,123,783)	(66,729)	1,591,357	16,608	18,977	5,835	1,632,777	417,453	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(1,523,168)	(46,832)	(992,869)	(535,470)	(11,840)	(3,641)	(970,047)	(3,058,265)	40,074
Total Group 1 Balance		(2,646,951)	(113,561)	598,488	(518,862)	7,137	2,194	662,730	(2,640,812)	40,074
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	0	0	55,694	1,711	664	255	58,324	57,404	0
Total including Account 1568		(2,646,951)	(113,561)	654,181	(517,151)	7,801	2,450	721,054	(2,583,408)	40,074

Incentive Regulation Model for 2016 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 Board by clicking [HERE](#).

		** Auto Populated by Rate Generator from most recent RRR Filing **								** Applicant to Enter **						** Applicant to Enter **			
Rate Class	Unit	Total Metered kWh	Total Metered kW	Billed kWh for Non-RPP Customers	Estimated kW for Non-RPP Customers	Billed kWh for Wholesale Market Participants (WMP)	Billed kW for Wholesale Market Participants (WMP)	Total Metered kWh consumption (if applicable)	Total Metered kW consumption (if applicable)	GA Allocator for Class A, Non-WMP Customers (if applicable) ¹	Billed kWh for Class A, Non-WMP Customers (if applicable)	Billed kW for Class A, Non-WMP Customers (if applicable)	Billed kWh for Non-RPP Customers LESS Class A Consumption	Billed kW for Non-RPP Customers LESS Class A Demand	1595 Recovery Share Proportion (2008) ¹	1595 Recovery Share Proportion (2009) ¹	1595 Recovery Share Proportion (2010) ¹	1595 Recovery Share Proportion (2011) ¹	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	341,552,037	0	14,783,357	0	0	0	341,552,037	0				14,783,357	0		25%	26%	19%	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	139,304,495	0	20,261,557	0	0	0	139,304,495	0				20,261,557	0		14%	12%	8%	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	279,792,658	712,997	234,128,095	579,366	0	0	279,792,658	712,997				234,128,095	579,366		33%	30%	40%	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	191,182,500	534,121	160,792,836	463,383	0	0	191,182,500	534,121		30,389,664	70,738	130,403,172	392,645		26%	30%	31%	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,099,482	0	378,680	0	0	0	2,099,482	0				378,680	0		0%	0%	0%	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	142,306	334	0	0	0	0	142,306	334				0	0		0%	0%	0%	
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,310,977	29,219	10,249,745	29,048	0	0	10,310,977	29,219				10,249,745	29,048		1%	1%	2%	
	Total	964,384,455	1,276,671	440,594,270	1,071,797	0	0	964,384,455	1,276,671	0%	30,389,664	70,738	410,204,606	1,001,059	0%	100%	100%	100%	

Threshold Test

Total Claim (including Account 1568)	\$721,054
Total Claim for Threshold Test (All Group 1 Accounts)	\$662,730
Threshold Test (Total claim per kWh) ²	\$0.0007 Claim does not meet the threshold test.

As per Section 3.2.3 of the 2016 Filing Requirements for Electricity Distribution Rate Applications, an applicant may elect to dispose of the Group 1 account balances below the threshold. If doing so, please select YES from the adjacent drop-down cell and also indicate so in the Manager's Summary. If not, please select NO.

YES

Account 1589 Memo Calculation \$0.0040 *Balance in Account 1589 divided by Non-RPP kWh less Class A kWh (column N)*

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.

⁴ Enter the percentage of the balance in account 1589 allocated to Class A customers. Distributors typically settle GA costs with Class A customers on the basis of actual (i.e. non-estimated) costs. If this is the case, no amount of the balance in 1589 should be allocated to a distributor's Class A customers.

Incentive Regulation Model for 2016 Filers

Data on this page is populated from the filing.

Click on the "Data" link to view the accuracy of the data.

If you have any questions, please contact the Helpdesk by clicking on the "Help" link.

		** Auto Populated by Rate Generator from most recent RRR Filing **						nt to Enter **				** Auto Populated** (Q1-2015)		Allocation of 1589			
Rate Class	Unit	Total Metered kWh	Total Metered kW	Billed kWh for Non-RPP Customers	Estimated kW for Non-RPP Customers	Billed kWh for Wholesale Market Participants (WMP)	Billed kW for Wholesale Market Participants (WMP)	1595 Recovery Share Proportion (2012) ¹	1595 Recovery Share Proportion (2013) ¹	1595 Recovery Share Proportion (2014) ¹	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes ³	Non-RPP kWh Less WMP kWh Less Class A	Non-RPP kW Less WMP kW Less Class A	% of Total kWh		
RESIDENTIAL SERVICE CLASSIFICATION	kWh	341,552,037	0	14,783,357	0	0	0	34%	40%		-\$34,915.25	45,307	14,783,357	0	3.6%		
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	139,304,495	0	20,261,557	0	0	0	13%	19%		\$71,990.50	4,645	20,261,557	0	4.9%		
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	279,792,658	712,997	234,128,095	579,366	0	0	32%	25%		\$10,710.06		234,128,095	579,366	57.1%		
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	191,182,500	534,121	160,792,836	463,383	0	0	20%	14%		\$15,368.01		130,403,172	392,645	31.8%		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,099,482	0	378,680	0	0	0	0%	0%		-\$684.06		378,680	0	0.1%		
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	142,306	334	0	0	0	0	0%	0%		-\$54.12		0	0	0.0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,310,977	29,219	10,249,745	29,048	0	0	1%	1%		-\$4,091.63		10,249,745	29,048	2.5%		
	Total	964,384,455	1,276,671	440,594,270	1,071,797	0	0	100%	100%	0%	\$58,323.51	49,952	410,204,606	1,001,059			

Threshold Test

Total Claim (including Account 1568)	\$721,054
Total Claim for Threshold Test (All Group 1 Accounts)	\$662,730
Threshold Test (Total claim per kWh) ²	\$0.0007 Claim does not meet the threshold test.

As per Section 3.2.3 of the 2016 Filing Requirements for Electricity Distribution Rate Applications, an applicant may elect to dispose of the Group 1 account balances below the threshold. If doing so, please select YES from the adjacent drop-down cell and also indicate so in the Manager's Summary. If not, please select NO.

YES

1568 Account Balance from Continuity Schedule	\$58,323.51
Total Balance of Account 1568 in Column W matches the amount entered on the Continuity Schedule	



Ontario Energy Board

Incentive Regulation Model for 2016 Filers

No input required. This worksheet allocates the deferral/variance account balances (Group 1, 1589, and 1568) to the appropriate classes as per the EDDVAR Report dated July 31, 2009

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total non-		% of	% of Total kWh		allocated based on			allocated based on										
	% of Total kWh	RPP kWh	Customer Numbers **	adjusted for WMP		Total less WMP			Total less WMP										
RESIDENTIAL SERVICE CLASSIFICATION	35.4%	3.4%	90.7%	35.4%	0	730	(66,703)	(86,939)	(155,805)	(77,033)	54,785	0	0	0	114	2,099	45,906	0	(34,915)
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	14.4%	4.6%	9.3%	14.4%	0	75	(27,205)	(35,459)	(63,546)	(31,418)	75,086	0	0	0	48	835	21,732	0	71,991
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	29.0%	53.1%	0.0%	29.0%	0	0	(54,641)	(71,219)	(127,632)	(63,104)	867,644	0	0	0	245	1,966	28,637	0	10,710
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	19.8%	36.5%	0.0%	19.8%	0	0	(37,337)	(48,664)	(87,211)	(43,119)	595,874	0	0	0	189	1,236	16,011	0	15,368
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.2%	0.1%	0.0%	0.2%	0	0	(410)	(534)	(958)	(474)	1,403	0	0	0	1	12	314	0	(684)
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0.0%	0	0	(28)	(36)	(65)	(32)	0	0	0	0	0	0	(19)	0	(54)
STREET LIGHTING SERVICE CLASSIFICATION	1.1%	2.3%	0.0%	1.1%	0	0	(2,014)	(2,625)	(4,704)	(2,326)	37,984	0	0	0	12	86	959	0	(4,092)
Total	100.0%	100.0%	100.0%	100.0%	0	805	(188,337)	(245,475)	(439,920)	(217,505)	1,632,777	0	1	1	609	6,235	113,540	0	58,324

* RSVA - Power (Excluding Global Adjustment)

** 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 2016 Filers

Input required at cell C15 only. This workshseet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable), associated rate riders for the global adjustment account (1589) and 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	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable)	Deferral/Variance Account Rate Rider	Deferral/Variance Account Rate Rider for Non-WMP (if applicable)	Allocation of Balance in Account 1589	Allocation of Balance in Account 1589 to Class A Customers (if applicable)	Allocation of Balance in Account 1589 to Non-Class A Customers	Metered kWh or kW for Non-RPP Customers (less WMP if applicable)	Metered kWh or kW for Class A Customers	Global Adjustment Rate Rider	Class A Rate Rider (if applicable)	Account 1568 Rate Rider
RESIDENTIAL SERVICE CLASSIFICATION	kWh	341,552,037	0	341,552,037	0	(337,629)		(0.0010)		54,785		54,785	14,783,357		0.0037		(0.0001)
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	139,304,495	0	139,304,495	0	(134,938)		(0.0010)		75,086		75,086	20,261,557		0.0037		0.0005
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	279,792,658	712,997	279,792,658	712,997	(285,748)		(0.4008)		867,644		867,644	579,366		1.4976		0.0150
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	191,182,500	534,121	191,182,500	534,121	(198,893)		(0.3724)		595,874		595,874	463,383	70,738	1.2859		0.0288
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,099,482	0	2,099,482	0	(2,048)		(0.0010)		1,403		1,403	378,680		0.0037		(0.0003)
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	142,306	334	142,306	334	(180)		(0.5377)		0		0	0		0.0000		(0.1620)
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,310,977	29,219	10,310,977	29,219	(10,611)		(0.3631)		37,984		37,984	29,048		1.3076		(0.1400)



Ontario Energy Board

Incentive Regulation Model for 2016 Filers

Summary - Sharing of Tax Change Forecast Amounts

For the 2013 year, enter any Tax Credits from the Cost of Service Tax Calculation (Positive #)

1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2013	2016
Taxable Capital (if you are not claiming capital tax, please enter your Board-Approved Rate Base)	\$ 93,339,122	\$ 93,339,122
Deduction from taxable capital up to \$15,000,000		\$ -
Net Taxable Capital	\$ 93,339,122	\$ 93,339,122
Rate		0.00%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -

2. Tax Related Amounts Forecast from Income Tax Rate Changes

Regulatory Taxable Income		\$ -
Corporate Tax Rate		26.500%
Tax Impact		\$ -
Grossed-up Tax Amount		\$ -
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ -	\$ -
Total Tax Related Amounts	\$ -	\$ -
Incremental Tax Savings		\$ -

Sharing of Tax Amount
(50%)

\$ -

Incentive Regulation Model for 2016 Filers

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

Rate Class		Re-based Billed	Re-based Billed	Re-based Billed	Re-based Service	Re-based Distribution	Re-based Distribution	Service Charge	Distribution	Distribution	Revenue Requirement	Service Charge	Distribution	Distribution	Total % Revenue
		Customers or Connections	kWh Billed	kW Billed	Charge	Volumetric Rate	Volumetric Rate		Volumetric Rate	Volumetric Rate			% Revenue	% Revenue	% Revenue
		A	B	C	D	E	F	G = A * D * 12	H = B * E	I = C * F	J = G + H + I	K = G / J	L = H / J	M = I / J	N = J / R
RESIDENTIAL SERVICE CLASSIFICATION	kWh	44,881	339,721,062		12.63	0.0122		6,802,164	4,144,597	0	10,946,761	62.1%	37.9%	0.0%	55.8%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	4,492	131,404,394		25.96	0.0134		1,399,348	1,760,819	0	3,160,167	44.3%	55.7%	0.0%	16.1%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	515	288,398,369	783,589	195.33		2.4857	1,207,139	0	1,947,767	3,154,907	38.3%	0.0%	61.7%	16.1%
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	19	183,532,884	568,917	2794.55		2.2079	637,157	0	1,256,112	1,893,269	33.7%	0.0%	66.3%	9.7%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	475	2,024,907		6.75	0.0099		38,475	20,047	0	58,522	65.7%	34.3%	0.0%	0.3%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	169	122,483	340	6.66		5.3399	13,506	0	1,816	15,322	88.2%	0.0%	11.8%	0.1%
STREET LIGHTING SERVICE CLASSIFICATION	kW	13,217	11,183,615	31,502	1.11		6.6959	176,050	0	210,934	386,985	45.5%	0.0%	54.5%	2.0%
Total		63,768	956,387,714	1,384,348				10,273,841	5,925,462	3,416,629	19,615,932				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	341,552,037		0	0.00 \$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	139,304,495		0	0.0000 kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	279,792,658	712,997	0	0.0000 kW
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	191,182,500	534,121	0	0.0000 kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,099,482		0	0.0000 kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	142,306	334	0	0.0000 kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,310,977	29,219	0	0.0000 kW
Total		964,384,455	1,276,671	\$0	

Incentive Regulation Model for 2016 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 Sheet 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	0.0066	341,552,037	0	1.0342	353,233,117
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046	341,552,037	0	1.0342	353,233,117
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0063	139,304,495	0	1.0342	144,068,709
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042	139,304,495	0	1.0342	144,068,709
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.4590	240,126,248	626,680		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6404	240,126,248	626,680		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.6084	39,666,410	86,317		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Meter	\$/kW	1.8130	39,666,410	86,317		
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6084	191,182,500	534,121		
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8130	191,182,500	534,121		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0063	2,099,482	0	1.0342	2,171,284
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042	2,099,482	0	1.0342	2,171,284
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.8640	142,306	334		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2947	142,306	334		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.8544	10,310,977	29,219		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2681	10,310,977	29,219		

Incentive Regulation Model for 2016 Filers

Uniform Transmission Rates	Unit	Effective January 1, 2014	Effective January 1, 2015	Effective January 1, 2016
Rate Description		Rate	Rate	Rate
Network Service Rate	kW	\$ 3.82	\$ 3.78	\$ 3.78
Line Connection Service Rate	kW	\$ 0.82	\$ 0.86	\$ 0.86
Transformation Connection Service Rate	kW	\$ 1.98	\$ 2.00	\$ 2.00

Hydro One Sub-Transmission Rates	Unit	Effective January 1, 2014 to April 30, 2015	Effective May 1, 2015	Effective January 1, 2016
Rate Description		Rate	Rate	Rate
Network Service Rate	kW	\$ 3.23	\$ 3.4121	\$ 3.4121
Line Connection Service Rate	kW	\$ 0.65	\$ 0.7879	\$ 0.7879
Transformation Connection Service Rate	kW	\$ 1.62	\$ 1.8018	\$ 1.8018
Both Line and Transformation Connection Service Rate	kW	\$ 2.27	\$ 2.5897	\$ 2.5897

If needed, add extra host here. (I)		Unit	Effective January 1, 2014	Effective January 1, 2015	Effective January 1, 2016
Rate Description			Rate	Rate	Rate
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	\$ -	\$ -	\$ -	\$ -

If needed, add extra host here. (If)		Unit	Effective January 1, 2014	Effective January 1, 2015	Effective January 1, 2016
Rate Description			Rate	Rate	Rate
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	\$ -	\$ -	\$ -	\$ -

Hydro One Sub-Transmission Rate Rider 9A	Unit	Effective January 1, 2014	Effective January 1, 2015	Effective January 1, 2016
Rate Description		Rate	Rate	Rate
RSVA Transmission network – 4714 – which affects 1584	kW	\$ 0.1465	\$ -	\$ -
RSVA Transmission connection – 4716 – which affects 1586	kW	\$ 0.0667	\$ -	\$ -
RSVA LV – 4750 – which affects 1550	kW	\$ 0.0475	\$ -	\$ -
RARA 1 – 2252 – which affects 1590	kW	\$ 0.0419	\$ -	\$ -
RARA 1 – 2252 – which affects 1590 (2008)	kW	-\$ 0.0270	\$ -	\$ -
RARA 1 – 2252 – which affects 1590 (2009)	kW	-\$ 0.0006	\$ -	\$ -
Hydro One Sub-Transmission Rate Rider 9A	kW	<u>\$ 0.2750</u>	<u>\$ -</u>	<u>\$ -</u>

Low Voltage Switchgear Credit (if applicable, enter as a negative value)

\$

Historical 2014

Current 2015

Forecast 2016



Incentive Regulation Model for 2016 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet 9. 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 transformer connection columns are completed.

IESO				Network			Line Connection			Transformation Connection			Total Line
Month				Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January				174,431	\$3.82	\$ 666,517	80,807	\$0.82	\$ 66,262	181,656	\$1.98	\$ 359,679	\$ 425,941
February				163,738	\$3.81	\$ 623,634	72,937	\$0.82	\$ 59,808	174,525	\$1.98	\$ 345,560	\$ 405,368
March				153,883	\$3.82	\$ 587,833	70,752	\$0.82	\$ 58,017	170,069	\$1.98	\$ 336,737	\$ 394,753
April				130,013	\$3.82	\$ 496,650	62,136	\$0.82	\$ 50,952	152,609	\$1.98	\$ 302,166	\$ 353,117
May				108,108	\$3.83	\$ 413,771	58,516	\$0.82	\$ 47,983	131,207	\$1.98	\$ 259,790	\$ 307,773
June				110,349	\$3.82	\$ 421,533	53,635	\$0.82	\$ 43,981	128,247	\$1.98	\$ 253,929	\$ 297,910
July				120,458	\$3.82	\$ 460,150	60,571	\$0.82	\$ 49,668	141,336	\$1.98	\$ 279,845	\$ 329,514
August				113,121	\$3.82	\$ 432,122	57,812	\$0.82	\$ 47,406	140,088	\$1.98	\$ 277,374	\$ 324,780
September				109,883	\$3.82	\$ 419,753	54,412	\$0.82	\$ 44,618	128,370	\$1.98	\$ 254,173	\$ 298,790
October				129,470	\$3.82	\$ 494,575	57,816	\$0.82	\$ 47,409	141,166	\$1.98	\$ 279,509	\$ 326,918
November				165,669	\$3.82	\$ 632,856	71,757	\$0.82	\$ 58,841	183,478	\$1.98	\$ 363,286	\$ 422,127
December				155,842	\$3.82	\$ 595,316	73,958	\$0.82	\$ 60,646	168,972	\$1.98	\$ 334,565	\$ 395,210
Total				1,634,965	\$ 3.82	\$ 6,244,711	775,109	\$ 0.82	\$ 635,589	1,841,723	\$ 1.98	\$ 3,646,612	\$ 4,282,201
Hydro One				Network			Line Connection			Transformation Connection			Total Line
Month				Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January					\$0.00			\$0.00			\$0.00		\$ -
February					\$0.00			\$0.00			\$0.00		\$ -
March					\$0.00			\$0.00			\$0.00		\$ -
April					\$0.00			\$0.00			\$0.00		\$ -
May					\$0.00			\$0.00			\$0.00		\$ -
June					\$0.00			\$0.00			\$0.00		\$ -
July					\$0.00			\$0.00			\$0.00		\$ -
August					\$0.00			\$0.00			\$0.00		\$ -
September					\$0.00			\$0.00			\$0.00		\$ -
October					\$0.00			\$0.00			\$0.00		\$ -
November					\$0.00			\$0.00			\$0.00		\$ -
December					\$0.00			\$0.00			\$0.00		\$ -
Total				-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Add Extra Host Here (I) (if needed)				Network			Line Connection			Transformation Connection			Total Line
Month				Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January					\$0.00			\$0.00			\$0.00		\$ -
February					\$0.00			\$0.00			\$0.00		\$ -
March					\$0.00			\$0.00			\$0.00		\$ -
April					\$0.00			\$0.00			\$0.00		\$ -
May					\$0.00			\$0.00			\$0.00		\$ -
June					\$0.00			\$0.00			\$0.00		\$ -
July					\$0.00			\$0.00			\$0.00		\$ -
August					\$0.00			\$0.00			\$0.00		\$ -
September					\$0.00			\$0.00			\$0.00		\$ -
October					\$0.00			\$0.00			\$0.00		\$ -
November					\$0.00			\$0.00			\$0.00		\$ -
December					\$0.00			\$0.00			\$0.00		\$ -
Total				-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Add Extra Host Here (II) (if needed)				Network			Line Connection			Transformation Connection			Total Line
Month				Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January					\$0.00			\$0.00			\$0.00		\$ -
February					\$0.00			\$0.00			\$0.00		\$ -
March					\$0.00			\$0.00			\$0.00		\$ -
April					\$0.00			\$0.00			\$0.00		\$ -
May					\$0.00			\$0.00			\$0.00		\$ -
June					\$0.00			\$0.00			\$0.00		\$ -
July					\$0.00			\$0.00			\$0.00		\$ -
August					\$0.00			\$0.00			\$0.00		\$ -
September					\$0.00			\$0.00			\$0.00		\$ -
October					\$0.00			\$0.00			\$0.00		\$ -
November					\$0.00			\$0.00			\$0.00		\$ -
December					\$0.00			\$0.00			\$0.00		\$ -
Total				-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total				Network			Line Connection			Transformation Connection			Total Line
Month				Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January				174,431	\$3.82	\$ 666,517	80,807	\$0.82	\$ 66,262	181,656	\$1.98	\$ 359,679	\$ 425,941
February				163,738	\$3.81	\$ 623,634	72,937	\$0.82	\$ 59,808	174,525	\$1.98	\$ 345,560	\$ 405,368
March				153,883	\$3.82	\$ 587,833	70,752	\$0.82	\$ 58,017	170,069	\$1.98	\$ 336,737	\$ 394,753
April				130,013	\$3.82	\$ 496,650	62,136	\$0.82	\$ 50,952	152,609	\$1.98	\$ 302,166	\$ 353,117
May				108,108	\$3.83	\$ 413,771	58,516	\$0.82	\$ 47,983	131,207	\$1.98	\$ 259,790	\$ 307,773
June				110,349	\$3.82	\$ 421,533	53,635	\$0.82	\$ 43,981	128,247	\$1.98	\$ 253,929	\$ 297,910
July				120,458	\$3.82	\$ 460,150	60,571	\$0.82	\$ 49,668	141,336	\$1.98	\$ 279,845	\$ 329,514
August				113,121	\$3.82	\$ 432,122	57,812	\$0.82	\$ 47,406	140,088	\$1.98	\$ 277,374	\$ 324,780
September				109,883	\$3.82	\$ 419,753	54,412	\$0.82	\$ 44,618	128,370	\$1.98	\$ 254,173	\$ 298,790
October				129,470	\$3.82	\$ 494,575	57,816	\$0.82	\$ 47,409	141,166	\$1.98	\$ 279,509	\$ 326,918
November				165,669	\$3.82	\$ 632,856	71,757	\$0.82	\$ 58,841	183,478	\$1.98	\$ 363,286	\$ 422,127
December				155,842	\$3.82	\$ 595,316	73,958	\$0.82	\$ 60,646	168,972	\$1.98	\$ 334,565	\$ 395,210
Total				1,634,965	\$ 3.82	\$ 6,244,711	775,109	\$ 0.82	\$ 635,589	1,841,723	\$ 1.98	\$ 3,646,612	\$ 4,282,201
Transformer Allowance Credit (if applicable)													\$ -
Total including deduction for Transformer Allowance Credit													\$ 4,282,201

Incentive Regulation Model for 2016 Filers

The purpose of this sheet is to calculate the expected billing when current 2015 Uniform Transmission Rates are applied against historical 2014 transmission units.

Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount		Units Billed	Rate	Amount	Amount
January	174,431	\$ 3.7800	\$ 659,349	80,807	\$ 0.8600	\$ 69,494	181,656	\$ 2.0000	\$ 363,312	\$ 432,806		174,431	\$ 3.7800	\$ 659,349	\$ 432,806
February	163,738	\$ 3.7800	\$ 618,930	72,937	\$ 0.8600	\$ 62,726	174,525	\$ 2.0000	\$ 349,050	\$ 411,776		163,738	\$ 3.7800	\$ 618,930	\$ 411,776
March	153,883	\$ 3.7800	\$ 581,678	70,752	\$ 0.8600	\$ 60,847	170,069	\$ 2.0000	\$ 340,138	\$ 400,985		153,883	\$ 3.7800	\$ 581,678	\$ 400,985
April	130,013	\$ 3.7800	\$ 491,449	62,136	\$ 0.8600	\$ 53,437	152,609	\$ 2.0000	\$ 305,218	\$ 358,655		130,013	\$ 3.7800	\$ 491,449	\$ 358,655
May	108,108	\$ 3.7800	\$ 408,648	58,516	\$ 0.8600	\$ 50,324	131,207	\$ 2.0000	\$ 262,414	\$ 312,738		108,108	\$ 3.7800	\$ 408,648	\$ 312,738
June	110,349	\$ 3.7800	\$ 417,119	53,635	\$ 0.8600	\$ 46,126	128,247	\$ 2.0000	\$ 256,494	\$ 302,620		110,349	\$ 3.7800	\$ 417,119	\$ 302,620
July	120,458	\$ 3.7800	\$ 455,331	60,571	\$ 0.8600	\$ 52,091	141,336	\$ 2.0000	\$ 282,672	\$ 334,763		120,458	\$ 3.7800	\$ 455,331	\$ 334,763
August	113,121	\$ 3.7800	\$ 427,597	57,812	\$ 0.8600	\$ 49,718	140,088	\$ 2.0000	\$ 280,176	\$ 329,894		113,121	\$ 3.7800	\$ 427,597	\$ 329,894
September	109,883	\$ 3.7800	\$ 415,358	54,412	\$ 0.8600	\$ 46,794	128,370	\$ 2.0000	\$ 256,740	\$ 303,534		109,883	\$ 3.7800	\$ 415,358	\$ 303,534
October	129,470	\$ 3.7800	\$ 489,397	57,816	\$ 0.8600	\$ 49,722	141,166	\$ 2.0000	\$ 282,332	\$ 332,054		129,470	\$ 3.7800	\$ 489,397	\$ 332,054
November	165,669	\$ 3.7800	\$ 626,229	71,757	\$ 0.8600	\$ 61,711	183,478	\$ 2.0000	\$ 366,956	\$ 428,667		165,669	\$ 3.7800	\$ 626,229	\$ 428,667
December	155,842	\$ 3.7800	\$ 589,083	73,958	\$ 0.8600	\$ 63,604	168,972	\$ 2.0000	\$ 337,944	\$ 401,548		155,842	\$ 3.7800	\$ 589,083	\$ 401,548
Total	1,634,965	\$ 3.78	\$ 6,180,168	775,109	\$ 0.86	\$ 666,594	1,841,723	\$ 2.00	\$ 3,683,446	\$ 4,350,040		1,634,965	\$ 3.78	\$ 6,180,168	\$ 4,350,040

Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount		Units Billed	Rate	Amount	Amount
January	-	\$ 3.3765	\$ -	-	\$ 0.7167	\$ -	-	\$ 1.6200	\$ -	\$ -		-	\$ 3.3765	\$ -	\$ -
February	-	\$ 3.3765	\$ -	-	\$ 0.7167	\$ -	-	\$ 1.6200	\$ -	\$ -		-	\$ 3.3765	\$ -	\$ -
March	-	\$ 3.3765	\$ -	-	\$ 0.7167	\$ -	-	\$ 1.6200	\$ -	\$ -		-	\$ 3.3765	\$ -	\$ -
April	-	\$ 3.3765	\$ -	-	\$ 0.7167	\$ -	-	\$ 1.6200	\$ -	\$ -		-	\$ 3.3765	\$ -	\$ -
May	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$ -		-	\$ 3.4121	\$ -	\$ -
June	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$ -		-	\$ 3.4121	\$ -	\$ -
July	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$ -		-	\$ 3.4121	\$ -	\$ -
August	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$ -		-	\$ 3.4121	\$ -	\$ -
September	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$ -		-	\$ 3.4121	\$ -	\$ -
October	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$ -		-	\$ 3.4121	\$ -	\$ -
November	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$ -		-	\$ 3.4121	\$ -	\$ -
December	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$ -		-	\$ 3.4121	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -		-	\$ -	\$ -	\$ -

Add Extra Host Here (I)				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			Amount	
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	

Add Extra Host Here (II)				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			Amount	
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -		\$ -	

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			Amount	
January	174,431	\$3.78	\$ 659,349	80,807	\$0.86	\$ 69,494	181,656	\$2.00	\$ 363,312	\$ 432,806		174,431	\$3.78	\$ 659,349	\$ 432,806	\$ 432,806	
February	163,738	\$3.78	\$ 618,930	72,937	\$0.86	\$ 62,726	174,525	\$2.00	\$ 349,050	\$ 411,776		163,738	\$3.78	\$ 618,930	\$ 411,776	\$ 411,776	
March	153,883	\$3.78	\$ 581,678	70,752	\$0.86	\$ 60,847	170,069	\$2.00	\$ 340,138	\$ 400,985		153,883	\$3.78	\$ 581,678	\$ 400,985	\$ 400,985	
April	130,013	\$3.78	\$ 491,449	62,136	\$0.86	\$ 53,437	152,609	\$2.00	\$ 305,218	\$ 358,655		130,013	\$3.78	\$ 491,449	\$ 358,655	\$ 358,655	
May	108,108	\$3.78	\$ 408,648	58,516	\$0.86	\$ 50,324	131,207	\$2.00	\$ 262,414	\$ 312,738		108,108	\$3.78	\$ 408,648	\$ 312,738	\$ 312,738	
June	110,349	\$3.78	\$ 417,119	53,635	\$0.86	\$ 46,126	128,247	\$2.00	\$ 256,494	\$ 302,620		110,349	\$3.78	\$ 417,119	\$ 302,620	\$ 302,620	
July	120,458	\$3.78	\$ 455,331	60,571	\$0.86	\$ 52,091	141,336	\$2.00	\$ 282,672	\$ 334,763		120,458	\$3.78	\$ 455,331	\$ 334,763	\$ 334,763	
August	113,121	\$3.78	\$ 427,597	57,812	\$0.86	\$ 49,718	140,088	\$2.00	\$ 280,176	\$ 329,894		113,121	\$3.78	\$ 427,597	\$ 329,894	\$ 329,894	
September	109,883	\$3.78	\$ 415,358	54,412	\$0.86	\$ 46,794	128,370	\$2.00	\$ 256,740	\$ 303,534		109,883	\$3.78	\$ 415,358	\$ 303,534	\$ 303,534	
October	129,470	\$3.78	\$ 489,397	57,816	\$0.86	\$ 49,722	141,166	\$2.00	\$ 282,332	\$ 332,054		129,470	\$3.78	\$ 489,397	\$ 332,054	\$ 332,054	
November	165,669	\$3.78	\$ 626,229	71,757	\$0.86	\$ 61,711	183,478	\$2.00	\$ 366,956	\$ 428,667		165,669	\$3.78	\$ 626,229	\$ 428,667	\$ 428,667	
December	155,842	\$3.78	\$ 589,083	73,958	\$0.86	\$ 63,604	168,972	\$2.00	\$ 337,944	\$ 401,548		155,842	\$3.78	\$ 589,083	\$ 401,548	\$ 401,548	
Total	1,634,965	\$ 3.78	\$ 6,180,168	775,109	\$ 0.86	\$ 666,594	1,841,723	\$ 2.00	\$ 3,683,446	\$ 4,350,040		1,634,965	\$ 3.78	\$ 6,180,168	\$ 4,350,040	\$ 4,350,040	
Transformer Allowance Credit (if applicable)																\$ -	
Total including deduction for Transformer Allowance Credit																\$ 4,350,040	

Incentive Regulation Model for 2016 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2016 Uniform Transmission Rates are applied against historical 2014 transmission units.

Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Amount		Amount		
January	174,431	\$ 3.7800	\$ 659,349	80,807	\$ 0.8600	\$ 69,494	181,656	\$ 2.0000	\$ 363,312	\$	432,806				
February	163,738	\$ 3.7800	\$ 618,930	72,937	\$ 0.8600	\$ 62,726	174,525	\$ 2.0000	\$ 349,050	\$	411,776				
March	153,883	\$ 3.7800	\$ 581,678	70,752	\$ 0.8600	\$ 60,847	170,069	\$ 2.0000	\$ 340,138	\$	400,985				
April	130,013	\$ 3.7800	\$ 491,449	62,136	\$ 0.8600	\$ 53,437	152,609	\$ 2.0000	\$ 305,218	\$	358,655				
May	108,108	\$ 3.7800	\$ 408,648	58,516	\$ 0.8600	\$ 50,324	131,207	\$ 2.0000	\$ 262,414	\$	312,738				
June	110,349	\$ 3.7800	\$ 417,119	53,635	\$ 0.8600	\$ 46,126	128,247	\$ 2.0000	\$ 256,494	\$	302,620				
July	120,458	\$ 3.7800	\$ 455,331	60,571	\$ 0.8600	\$ 52,091	141,336	\$ 2.0000	\$ 282,672	\$	334,763				
August	113,121	\$ 3.7800	\$ 427,597	57,812	\$ 0.8600	\$ 49,718	140,088	\$ 2.0000	\$ 280,176	\$	329,894				
September	109,883	\$ 3.7800	\$ 415,358	54,412	\$ 0.8600	\$ 46,794	128,370	\$ 2.0000	\$ 256,740	\$	303,534				
October	129,470	\$ 3.7800	\$ 489,397	57,816	\$ 0.8600	\$ 49,722	141,166	\$ 2.0000	\$ 282,332	\$	332,054				
November	165,669	\$ 3.7800	\$ 626,229	71,757	\$ 0.8600	\$ 61,711	183,478	\$ 2.0000	\$ 366,956	\$	428,667				
December	155,842	\$ 3.7800	\$ 589,083	73,958	\$ 0.8600	\$ 63,604	168,972	\$ 2.0000	\$ 337,944	\$	401,548				
Total	1,634,965	\$ 3.78	\$ 6,180,168	775,109	\$ 0.86	\$ 666,594	1,841,723	\$ 2.00	\$ 3,683,446	\$	4,350,040				

Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Amount		Amount		
January	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
February	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
March	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
April	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
May	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
June	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
July	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
August	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
September	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
October	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
November	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
December	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$	-				
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$	-				

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	174,431	\$ 3.78	\$ 659,349	80,807	\$ 0.86	\$ 69,494	181,656	\$ 2.00	\$ 363,312	\$ 432,806
February	163,738	\$ 3.78	\$ 618,930	72,937	\$ 0.86	\$ 62,726	174,525	\$ 2.00	\$ 349,050	\$ 411,776
March	153,883	\$ 3.78	\$ 581,678	70,752	\$ 0.86	\$ 60,847	170,069	\$ 2.00	\$ 340,138	\$ 400,985
April	130,013	\$ 3.78	\$ 491,449	62,136	\$ 0.86	\$ 53,437	152,609	\$ 2.00	\$ 305,218	\$ 358,655
May	108,108	\$ 3.78	\$ 408,648	58,516	\$ 0.86	\$ 50,324	131,207	\$ 2.00	\$ 262,414	\$ 312,738
June	110,349	\$ 3.78	\$ 417,119	53,635	\$ 0.86	\$ 46,126	128,247	\$ 2.00	\$ 256,494	\$ 302,620
July	120,458	\$ 3.78	\$ 455,331	60,571	\$ 0.86	\$ 52,091	141,336	\$ 2.00	\$ 282,672	\$ 334,763
August	113,121	\$ 3.78	\$ 427,597	57,812	\$ 0.86	\$ 49,718	140,088	\$ 2.00	\$ 280,176	\$ 329,894
September	109,883	\$ 3.78	\$ 415,358	54,412	\$ 0.86	\$ 46,794	128,370	\$ 2.00	\$ 256,740	\$ 303,534
October	129,470	\$ 3.78	\$ 489,397	57,816	\$ 0.86	\$ 49,722	141,166	\$ 2.00	\$ 282,332	\$ 332,054
November	165,669	\$ 3.78	\$ 626,229	71,757	\$ 0.86	\$ 61,711	183,478	\$ 2.00	\$ 366,956	\$ 428,667
December	155,842	\$ 3.78	\$ 589,083	73,958	\$ 0.86	\$ 63,604	168,972	\$ 2.00	\$ 337,944	\$ 401,548
Total	1,634,965	\$ 3.78	\$ 6,180,168	775,109	\$ 0.86	\$ 666,594	1,841,723	\$ 2.00	\$ 3,683,446	\$ 4,350,040

Transformer Allowance Credit (if applicable)										\$ -
Total including deduction for Transformer Allowance Credit										\$ 4,350,040

Incentive Regulation Model for 2016 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	0.0066	353,233,117	0	2,331,339	36.1%	2,228,000	0.0063
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0063	144,068,709	0	907,633	14.0%	867,401	0.0060
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.4590		626,680	1,541,006	23.8%	1,472,700	2.3500
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.6084		86,317	225,149	3.5%	215,169	2.4928
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6084		534,121	1,393,201	21.5%	1,331,447	2.4928
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0063	2,171,284	0	13,679	0.2%	13,073	0.0060
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.8640		334	623	0.0%	595	1.7814
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.8544		29,219	54,184	0.8%	51,782	1.7722

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	0.0046	353,233,117	0	1,624,872	36.7%	1,595,751	0.0045
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042	144,068,709	0	605,089	13.7%	594,244	0.0041
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6404		626,680	1,028,006	23.2%	1,009,582	1.6110
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.8130		86,317	156,493	3.5%	153,688	1.7805
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8130		534,121	968,361	21.9%	951,006	1.7805
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042	2,171,284	0	9,119	0.2%	8,956	0.0041
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2947		334	432	0.0%	425	1.2715
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2681		29,219	37,053	0.8%	36,389	1.2454

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	0.0063	353,233,117	0	2,228,000	36.1%	2,228,000	0.0063
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060	144,068,709	0	867,401	14.0%	867,401	0.0060
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.3500		626,680	1,472,700	23.8%	1,472,700	2.3500
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.4928		86,317	215,169	3.5%	215,169	2.4928
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.4928		534,121	1,331,447	21.5%	1,331,447	2.4928
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060	2,171,284	0	13,073	0.2%	13,073	0.0060
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7814		334	595	0.0%	595	1.7814
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7722		29,219	51,782	0.8%	51,782	1.7722

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	0.0045	353,233,117	0	1,595,751	36.7%	1,595,751	0.0045
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0041	144,068,709	0	594,244	13.7%	594,244	0.0041
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6110		626,680	1,009,582	23.2%	1,009,582	1.6110
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.7805		86,317	153,688	3.5%	153,688	1.7805
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7805		534,121	951,006	21.9%	951,006	1.7805
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0041	2,171,284	0	8,956	0.2%	8,956	0.0041
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2715		334	425	0.0%	425	1.2715
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2454		29,219	36,389	0.8%	36,389	1.2454

Incentive Regulation Model for 2015 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 2015 values and will be updated by Board staff at a later date.

Price Escalator	1.60%	Productivity Factor	0.00%	# of Residential Customers	44,001	(Not CoS Approved Billing Determinants)
Choose Stretch Factor Group	III	Price Cap Index	1.30%	Billed kWh	339,721,062	
Associated Stretch Factor Value	0.30%			Rate Design Transition Years Left	4	

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	12.98		0.0126		1.30%	15.16	0.0096
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	26.66		0.0138		1.30%	27.01	0.0140
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	200.63		2.5533		1.30%	203.24	2.5865
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	2,870.51		2.2679		1.30%	2,907.83	2.2974
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	6.93		0.0101		1.30%	7.02	0.0102
SENTINEL LIGHTING SERVICE CLASSIFICATION	6.84		5.4851		1.30%	6.93	5.5564
STREET LIGHTING SERVICE CLASSIFICATION	1.14		6.8779		1.30%	1.15	6.9673
WATER SERVICE CLASSIFICATION	5.40					5.40	

Rate Design Transition	Current 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.)	12.98	6,990,665	62.0%	1.99	71.5%	14.97	8,062,423
Current Residential Variable Rate (inclusive of R/C adj.)	0.0126	4,280,485	38.0%		28.5%	0.0095	3,227,350
		11,271,150					11,289,773

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

Incentive Regulation Model for 2016 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.

RESIDENTIAL SERVICE CLASSIFICATION

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

SENTINEL LIGHTING SERVICE CLASSIFICATION

Appendix B: Current Tariff and Schedule of Rates

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date
May 1, 2015

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

EB-2014-0114

RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately 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. 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	12.98
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0126
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kWh	(0.0016)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016		
Applicable only for Non-RPP Customers	\$/kWh	(0.0026)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2015

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

EB-2014-0114

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW. This class includes small commercial services such as small stores, small service stations, restaurants, churches, small offices and other establishments with similar loads. 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	26.66
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0138
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kWh	(0.0016)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016 Applicable only for Non-RPP Customers	\$/kWh	(0.0026)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0063
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2015

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

EB-2014-0114

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. This class includes medium and large-size commercial buildings, apartment buildings, condominiums, trailer courts, industrial plants, as well as large stores, shopping centers, hospitals, manufacturing or processing plants, garages, storage buildings, hotels, motels, schools, colleges, arenas and other comparable premises. 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 1,000 kW non-interval metered

General Service 50 to 1,000 kW interval metered.

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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	200.63
Distribution Volumetric Rate	\$/kW	2.5533
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kW	(0.6076)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016		
Applicable only for Non-RPP Customers	\$/kW	(0.9585)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4590
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6404
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.6084
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.8130

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2015

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

EB-2014-0114

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 1,000 kW but less 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	2,870.51
Distribution Volumetric Rate	\$/kW	2.2679
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kW	(0.5363)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016		
Applicable only for Non-RPP Customers, excluding Class A customers	\$/kW	(0.8069)
Retail Transmission Rate - Network Service Rate	\$/kW	2.6084
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8130

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2015

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

EB-2014-0114

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose monthly average peak 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, private sentinel lighting etc. The customer will provide detailed manufacturing information/documentation with regard to electrical demand/ consumption of the proposed unmetered load. 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	6.93
Distribution Volumetric Rate	\$/kWh	0.0101
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kWh	(0.0016)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016 Applicable only for Non-RPP Customers	\$/kWh	(0.0026)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0063
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2015

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

EB-2014-0114

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. 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, the Ontario Clean Energy Benefit and the HST

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	6.84
Distribution Volumetric Rate	\$/kW	5.4851
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kW	(0.5815)
Retail Transmission Rate - Network Service Rate	\$/kW	1.8640
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2947

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2015

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

EB-2014-0114

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photocells. The consumption for these customers will be based on the calculated 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.14
Distribution Volumetric Rate	\$/kW	6.8779
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	\$/kW	(0.5897)
Rate Rider for Disposition of Global Adjustment Account (2015) - effective until April 30, 2016 Applicable only for Non-RPP Customers	\$/kW	(0.9245)
Retail Transmission Rate - Network Service Rate	\$/kW	1.8544
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2681

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2015

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

EB-2014-0114

microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Ontario Power Authority'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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
----------------	----	------

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2015

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

EB-2014-0114

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

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, the Ontario Clean Energy Benefit and the HST.

Customer Administration

Arrears certificate	\$	15.00
Statement of Account	\$	15.00
Easement Letter	\$	15.00
Account History	\$	15.00
Returned cheque charge (plus bank charges)	\$	25.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00
Disconnect/Reconnect at pole – during regular hours	\$	185.00
Disconnect/Reconnect at pole – after regular hours	\$	415.00
Install/Remove load control device – during regular hours	\$	65.00
Install/Remove load control device – after regular hours	\$	185.00

Other

Service call – customer owned equipment	\$	30.00
Service call – after regular hours	\$	165.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2015

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

EB-2014-0114

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, the Ontario Clean Energy Benefit 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	1.0342
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0239

Appendix C: Proposed Schedule and Tariff of Rates

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date Sunday, May 01, 2016

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

EB-2015-0103

RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately 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. 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	15.16
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0096
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kWh	(0.0010)
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until April 30, 2017	\$/kWh	0.0037
Applicable only for Non-RPP Customers		
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016) - effective until April 30, 2017	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0063
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0045

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date Sunday, May 01, 2016

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

EB-2015-0103

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW. This class includes small commercial services such as small stores, small service stations, restaurants, churches, small offices and other establishments with similar loads. 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	27.01
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0140
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kWh	(0.0010)
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until April 30, 2017	\$/kWh	0.0037
Applicable only for Non-RPP Customers		
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016) - effective until April 30, 2017	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0041

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date Sunday, May 01, 2016

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

EB-2015-0103

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. This class includes medium and large-size commercial buildings, apartment buildings, condominiums, trailer courts, industrial plants, as well as large stores, shopping centers, hospitals, manufacturing or processing plants, garages, storage buildings, hotels, motels, schools, colleges, arenas and other comparable premises. 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 1,000 kW non-interval metered

General Service 50 to 1,000 kW interval metered.

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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	203.24
Distribution Volumetric Rate	\$/kW	2.5865
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kW	(0.4008)
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until April 30, 2017	\$/kW	1.4976
Applicable only for Non-RPP Customers		
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016) - effective until April 30, 2017	\$/kW	0.0150
Retail Transmission Rate - Network Service Rate	\$/kW	2.3500
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6110
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.4928
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.7805

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date Sunday, May 01, 2016

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

EB-2015-0103

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 1,000 kW but less 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	2,907.83
Distribution Volumetric Rate	\$/kW	2.2974
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kW	(0.3724)
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until April 30, 2017	\$/kW	1.2859
Applicable only for Non-RPP Customers, excluding Class A customers		
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016)		
- effective until April 30, 2017	\$/kW	0.0288
Retail Transmission Rate - Network Service Rate	\$/kW	2.4928
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7805

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date Sunday, May 01, 2016

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

EB-2015-0103

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose monthly average peak 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, private sentinel lighting etc. The customer will provide detailed manufacturing information/documentation with regard to electrical demand/consumption of the proposed unmetered load. 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	7.02
Distribution Volumetric Rate	\$/kWh	0.0102
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kWh	(0.0010)
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until April 30, 2017	\$/kWh	0.0037
Applicable only for Non-RPP Customers		
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016)		
- effective until April 30, 2017	\$/kWh	(0.0003)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0041

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date Sunday, May 01, 2016

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

EB-2015-0103

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	6.93
Distribution Volumetric Rate	\$/kW	5.5564
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kW	(0.5377)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016) - effective until April 30, 2017	\$/kW	(0.1620)
Retail Transmission Rate - Network Service Rate	\$/kW	1.7814
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2715

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date Sunday, May 01, 2016

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

EB-2015-0103

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photocells. The consumption for these customers will be based on the calculated 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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.15
Distribution Volumetric Rate	\$/kW	6.9673
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kW	(0.3631)
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until April 30, 2017	\$/kW	1.3076
Applicable only for Non-RPP Customers		
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016) - effective until April 30, 2017	\$/kW	(0.1400)
Retail Transmission Rate - Network Service Rate	\$/kW	1.7722
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2454

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date Sunday, May 01, 2016

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

EB-2015-0103

MICROFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Ontario Power Authority'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, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
----------------	----	------

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date Sunday, May 01, 2016

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

EB-2015-0103

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

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, the Ontario Clean Energy Benefit and the HST.

Customer Administration

Arrears certificate	\$	15.00
Statement of Account	\$	15.00
Easement Letter	\$	15.00
Account History	\$	15.00
Returned cheque (plus bank charges)	\$	25.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	185.00
Disconnect/Reconnect at pole - during regular hours	\$	185.00
Disconnect/Reconnect at pole - after regular hours	\$	415.00
Install/Remove load control device - during regular hours	\$	65.00
Install/Remove load control device - after regular hours	\$	185.00

Other

Service call - customer-owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35

Thunder Bay Hydro Electricity Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date Sunday, May 01, 2016

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

EB-2015-0103

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, the Ontario Clean Energy Benefit 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	1.0342
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0239

Appendix D: Bill Impacts



Incentive Regulation Model for 2016 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 800 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-pp (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 full 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 Billing Requirements For Electricity Distribution Rate Applications issued July 16, 2015.

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 2015 of \$0.0954/kWh (IESO's Monthly Market Report for May 2015, page 20) 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 chart for the specific class.

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

Table 1

[illegible]

Table 2

[illegible]

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	800	kWh	
Demand	-	kW	
Current Loss Factor	1.0342		
Proposed/Approved Loss Factor	1.0342		
Ontario Clean Energy Benefit Applied?	Yes		

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 12.98	1	\$ 12.98	\$ 15.16	1	\$ 15.16	\$ 2.18	16.80%
Distribution Volumetric Rate	\$ 0.0126	800	\$ 10.08	\$ 0.0096	800	\$ 7.68	\$ -2.40	-23.81%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	800	\$ -	\$ 0.0001	800	\$ 0.08	\$ 0.08	
Sub-Total A (excluding pass through)			\$ 23.06			\$ 22.76	\$ 0.30	-1.30%
Line Losses on Cost of Power	\$ 0.1021	27	\$ 2.79	\$ 0.1021	27	\$ 2.79	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	800	\$ 1.28	\$ 0.0010	800	\$ 0.80	\$ 0.48	-37.50%
Low Voltage Service Charge		800	\$ -		800	\$ -	\$ -	
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)			\$ 25.36			\$ 25.54	\$ 0.18	0.71%
RTSR - Network	\$ 0.0066	827	\$ 5.46	\$ 0.0063	827	\$ 5.21	\$ 0.25	-4.55%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0046	827	\$ 3.81	\$ 0.0045	827	\$ 3.72	\$ 0.08	-2.17%
Sub-Total C - Delivery (including Sub-Total B)			\$ 34.63			\$ 34.48	\$ 0.15	-0.44%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	827	\$ 3.64	\$ 0.0044	827	\$ 3.64	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	827	\$ 1.08	\$ 0.0013	827	\$ 1.08	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	800	\$ 5.60	\$ -	800	\$ -	\$ 5.60	-100.00%
Ontario Electricity Support Program (OESP)			\$ -	\$ -	827	\$ -	\$ -	
TOU - Off Peak	\$ 0.0800	512	\$ 40.96	\$ 0.0800	512	\$ 40.96	\$ -	0.00%
TOU - Mid Peak	\$ 0.1220	144	\$ 17.57	\$ 0.1220	144	\$ 17.57	\$ -	0.00%
TOU - On Peak	\$ 0.1610	144	\$ 23.18	\$ 0.1610	144	\$ 23.18	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 126.91			\$ 121.16	\$ 5.75	-4.53%
HST	13%		\$ 16.50	13%		\$ 15.75	\$ 0.75	-4.53%
Total Bill (including HST)			\$ 143.41			\$ 136.91	\$ 6.50	-4.53%
Ontario Clean Energy Benefit ¹			\$ 14.34			\$ 14.34	\$ -	-100.00%
Total Bill on TOU			\$ 129.07			\$ 136.91	\$ 7.84	6.08%

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	2,000	kWh	
Demand	-	kW	
Current Loss Factor	1.0342		
Proposed/Approved Loss Factor	1.0342		
Ontario Clean Energy Benefit Applied?	Yes		

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 26.66	1	\$ 26.66	\$ 27.01	1	\$ 27.01	\$ 0.35	1.31%
Distribution Volumetric Rate	\$ 0.0138	2000	\$ 27.60	\$ 0.0140	2000	\$ 28.00	\$ 0.40	1.45%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	2000	\$ -	\$ 0.0005	2000	\$ 1.00	\$ 1.00	
Sub-Total A (excluding pass through)			\$ 54.26			\$ 56.01	\$ 1.75	3.23%
Line Losses on Cost of Power	\$ 0.1021	68	\$ 6.99	\$ 0.1021	68	\$ 6.99	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	2,000	\$ 3.20	\$ 0.0010	2,000	\$ 2.00	\$ 1.20	-37.50%
Low Voltage Service Charge		2,000	\$ -		2,000	\$ -	\$ -	
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)			\$ 58.84			\$ 61.79	\$ 2.95	5.01%
RTSR - Network	\$ 0.0063	2,068	\$ 13.03	\$ 0.0060	2,068	\$ 12.41	\$ 0.62	-4.76%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0042	2,068	\$ 8.69	\$ 0.0041	2,068	\$ 8.48	\$ 0.21	-2.38%
Sub-Total C - Delivery (including Sub-Total B)			\$ 80.55			\$ 82.68	\$ 2.12	2.64%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	2,068	\$ 9.10	\$ 0.0044	2,068	\$ 9.10	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,068	\$ 2.69	\$ 0.0013	2,068	\$ 2.69	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	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)			\$ -	\$ -	2,068	\$ -	\$ -	
TOU - Off Peak	\$ 0.0800	1,280	\$ 102.40	\$ 0.0800	1,280	\$ 102.40	\$ -	0.00%
TOU - Mid Peak	\$ 0.1220	360	\$ 43.92	\$ 0.1220	360	\$ 43.92	\$ -	0.00%
TOU - On Peak	\$ 0.1610	360	\$ 57.96	\$ 0.1610	360	\$ 57.96	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 310.87			\$ 313.00	\$ 2.12	0.68%
HST	13%		\$ 40.41	13%		\$ 40.69	\$ 0.28	0.68%
Total Bill (including HST)			\$ 351.29			\$ 353.69	\$ 2.40	0.68%
Ontario Clean Energy Benefit ¹			\$ 35.13			\$ 35.13	\$ -	-100.00%
Total Bill on TOU			\$ 316.16			\$ 353.69	\$ 37.53	11.87%

Customer Class:	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption	46,666 kWh
Demand	100 kW
Current Loss Factor	1.0342
Proposed/Approved Loss Factor	1.0342
Ontario Clean Energy Benefit Applied?	No

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 200.63	1	\$ 200.63	\$ 203.24	1	\$ 203.24	\$ 2.61	1.30%
Distribution Volumetric Rate	\$ 2.5533	100	\$ 255.33	\$ 2.5865	100	\$ 258.65	\$ 3.32	1.30%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	100	\$ -	\$ 0.0150	100	\$ 1.50	\$ 1.50	-
Sub-Total A (excluding pass through)			\$ 455.96			\$ 463.39	\$ 7.43	1.63%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Total Deferral/Variance Account Rate Riders	\$ 1.5661	100	\$ 156.61	\$ 1.0968	100	\$ 109.68	\$ 266.29	-170.03%
Low Voltage Service Charge		100	\$ -		100	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 299.35			\$ 573.07	\$ 273.72	91.44%
RTSR - Network	\$ 2.4590	100	\$ 245.90	\$ 2.3500	100	\$ 235.00	\$ 10.90	-4.43%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.6404	100	\$ 164.04	\$ 1.6110	100	\$ 161.10	\$ 2.94	-1.79%
Sub-Total C - Delivery (including Sub-Total B)			\$ 709.29			\$ 969.17	\$ 259.88	36.64%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	48,262	\$ 212.35	\$ 0.0044	48,262	\$ 212.35	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	48,262	\$ 62.74	\$ 0.0013	48,262	\$ 62.74	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	46,666	\$ 326.66	\$ 0.0070	46,666	\$ 326.66	\$ -	0.00%
Ontario Electricity Support Program (OESP)			\$ -		48,262	\$ -	\$ -	-
Average IESO Wholesale Market Price	\$ 0.0954	48,262	\$ 4,604.19	\$ 0.0954	48,262	\$ 4,604.19	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 5,915.49			\$ 6,175.37	\$ 259.88	4.39%
HST	13%		\$ 769.01	13%		\$ 802.80	\$ 33.78	4.39%
Total Bill (including HST)			\$ 6,684.50			\$ 6,978.17	\$ 293.66	4.39%
Ontario Clean Energy Benefit ¹			\$ -			\$ -	\$ -	-
Total Bill on Average IESO Wholesale Market Price			\$ 6,684.50			\$ 6,978.17	\$ 293.66	4.39%

Customer Class:	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption	804,968 kWh
Demand	2,000 kW
Current Loss Factor	1.0342
Proposed/Approved Loss Factor	1.0342
Ontario Clean Energy Benefit Applied?	No

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 2,870.51	1	\$ 2,870.51	\$ 2,907.83	1	\$ 2,907.83	\$ 37.32	1.30%
Distribution Volumetric Rate	\$ 2.2679	2000	\$ 4,535.80	\$ 2.2974	2000	\$ 4,594.80	\$ 59.00	1.30%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	2000	\$ -	\$ 0.0288	2000	\$ 57.60	\$ 57.60	-
Sub-Total A (excluding pass through)			\$ 7,406.31			\$ 7,560.23	\$ 153.92	2.08%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Total Deferral/Variance Account Rate Riders	\$ 1.3432	2,000	\$ 2,686.40	\$ 0.9135	2,000	\$ 1,827.00	\$ 4,513.40	-168.01%
Low Voltage Service Charge		2,000	\$ -		2,000	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 4,719.91			\$ 9,387.23	\$ 4,667.32	98.89%
RTSR - Network	\$ 2.6084	2,000	\$ 5,216.80	\$ 2.4928	2,000	\$ 4,985.60	\$ 231.20	-4.43%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.8130	2,000	\$ 3,626.00	\$ 1.7805	2,000	\$ 3,561.00	\$ 65.00	-1.79%
Sub-Total C - Delivery (including Sub-Total B)			\$ 13,562.71			\$ 17,933.83	\$ 4,371.12	32.23%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	832,498	\$ 3,662.99	\$ 0.0044	832,498	\$ 3,662.99	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	832,498	\$ 1,082.25	\$ 0.0013	832,498	\$ 1,082.25	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	804,968	\$ 5,634.78	\$ 0.0070	804,968	\$ 5,634.78	\$ -	0.00%
Ontario Electricity Support Program (OESP)			\$ -		832,498	\$ -	\$ -	-
Average IESO Wholesale Market Price	\$ 0.0954	832,498	\$ 79,420.30	\$ 0.0954	832,498	\$ 79,420.30	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 103,363.27			\$ 107,734.39	\$ 4,371.12	4.23%
HST	13%		\$ 13,437.23	13%		\$ 14,005.47	\$ 568.25	4.23%
Total Bill (including HST)			\$ 116,800.50			\$ 121,739.87	\$ 4,939.37	4.23%
Ontario Clean Energy Benefit ¹			\$ -			\$ -	\$ -	-
Total Bill on Average IESO Wholesale Market Price			\$ 116,800.50			\$ 121,739.87	\$ 4,939.37	4.23%

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	150	kWh	
Demand	-	kW	
Current Loss Factor	1.0342		
Proposed/Approved Loss Factor	1.0342		
Ontario Clean Energy Benefit Applied?	Yes		

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.93	1	\$ 6.93	\$ 7.02	1	\$ 7.02	\$ 0.09	1.30%
Distribution Volumetric Rate	\$ 0.0101	150	\$ 1.52	\$ 0.0102	150	\$ 1.53	\$ 0.02	0.99%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	150	\$ -	\$ 0.0003	150	\$ 0.05	\$ 0.05	
Sub-Total A (excluding pass through)			\$ 8.45			\$ 8.51	\$ 0.06	0.71%
Line Losses on Cost of Power	\$ 0.1021	5	\$ 0.52	\$ 0.1021	5	\$ 0.52	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ 0.0016	150	\$ 0.24	\$ 0.0010	150	\$ 0.15	\$ 0.09	-37.50%
Riders								
Low Voltage Service Charge		150	\$ -		150	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 8.73			\$ 8.88	\$ 0.15	1.72%
RTSR - Network	\$ 0.0063	155	\$ 0.98	\$ 0.0060	155	\$ 0.93	\$ 0.05	-4.76%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0042	155	\$ 0.65	\$ 0.0041	155	\$ 0.64	\$ 0.02	-2.38%
Sub-Total C - Delivery (including Sub-Total B)			\$ 10.36			\$ 10.45	\$ 0.09	0.85%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	155	\$ 0.68	\$ 0.0044	155	\$ 0.68	\$ -	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	\$ 0.25	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)				\$ -	155	\$ -	\$ -	-
TOU - Off Peak	\$ 0.0800	96	\$ 7.68	\$ 0.0800	96	\$ 7.68	\$ -	0.00%
TOU - Mid Peak	\$ 0.1220	27	\$ 3.29	\$ 0.1220	27	\$ 3.29	\$ -	0.00%
TOU - On Peak	\$ 0.1610	27	\$ 4.35	\$ 0.1610	27	\$ 4.35	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 27.86			\$ 27.95	\$ 0.09	0.32%
HST	13%		\$ 3.62	13%		\$ 3.63	\$ 0.01	0.32%
Total Bill (including HST)			\$ 31.49			\$ 31.58	\$ 0.10	0.32%
Ontario Clean Energy Benefit ¹			\$ 3.15			\$ 3.15	\$ -	-100.00%
Total Bill on TOU			\$ 28.34			\$ 31.58	\$ 3.25	11.47%

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	60	kWh	
Demand	0	kW	
Current Loss Factor	1.0342		
Proposed/Approved Loss Factor	1.0342		
Ontario Clean Energy Benefit Applied?	Yes		

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.84	1	\$ 6.84	\$ 6.93	1	\$ 6.93	\$ 0.09	1.32%
Distribution Volumetric Rate	\$ 5.4851	0.2	\$ 1.10	\$ 5.5564	0.2	\$ 1.11	\$ 0.01	1.30%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	0.2	\$ -	\$ 0.1620	0.2	\$ 0.03	\$ 0.03	
Sub-Total A (excluding pass through)			\$ 7.94			\$ 8.01	\$ 0.07	0.91%
Line Losses on Cost of Power	\$ 0.1021	2	\$ 0.21	\$ 0.1021	2	\$ 0.21	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ 0.5815	0	\$ 0.12	\$ 0.5377	0	\$ 0.11	\$ 0.01	-7.53%
Riders								
Low Voltage Service Charge		0	\$ -		0	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 8.03			\$ 8.11	\$ 0.08	1.00%
RTSR - Network	\$ 1.8640	0	\$ 0.37	\$ 1.7814	0	\$ 0.36	\$ 0.02	-4.43%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.2947	0	\$ 0.26	\$ 1.2715	0	\$ 0.25	\$ 0.00	-1.79%
Sub-Total C - Delivery (including Sub-Total B)			\$ 8.66			\$ 8.72	\$ 0.06	0.69%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	62	\$ 0.27	\$ 0.0044	62	\$ 0.27	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	62	\$ 0.08	\$ 0.0013	62	\$ 0.08	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	60	\$ 0.42	\$ 0.0070	60	\$ 0.42	\$ -	0.00%
Ontario Electricity Support Program (OESP)				\$ -	62	\$ -	\$ -	-
TOU - Off Peak	\$ 0.0800	38	\$ 3.07	\$ 0.0800	38	\$ 3.07	\$ -	0.00%
TOU - Mid Peak	\$ 0.1220	11	\$ 1.32	\$ 0.1220	11	\$ 1.32	\$ -	0.00%
TOU - On Peak	\$ 0.1610	11	\$ 1.74	\$ 0.1610	11	\$ 1.74	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 15.81			\$ 15.87	\$ 0.06	0.38%
HST	13%		\$ 2.06	13%		\$ 2.06	\$ 0.01	0.38%
Total Bill (including HST)			\$ 17.87			\$ 17.94	\$ 0.07	0.38%
Ontario Clean Energy Benefit ¹			\$ 1.79			\$ 1.79	\$ -	-100.00%
Total Bill on TOU			\$ 16.08			\$ 17.94	\$ 1.86	11.55%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption	931,968 kWh
Demand	2,400 kW
Current Loss Factor	1.0342
Proposed/Approved Loss Factor	1.0342
Ontario Clean Energy Benefit Applied?	No

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1.14	1	\$ 1.14	\$ 1.15	1	\$ 1.15	\$ 0.01	0.88%
Distribution Volumetric Rate	\$ 6.8779	2400	\$ 16,506.96	\$ 6.9673	2400	\$ 16,721.52	\$ 214.56	1.30%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	2400	\$ -	\$ 0.1400	2400	\$ 336.00	\$ 336.00	
Sub-Total A (excluding pass through)			\$ 16,508.10			\$ 16,386.67	\$ 121.43	-0.74%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 1.5142	2,400	\$ 3,634.08	\$ 0.9445	2,400	\$ 2,266.80	\$ 5,900.88	-162.38%
Low Voltage Service Charge		2,400	\$ -		2,400	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 12,874.02			\$ 18,653.47	\$ 5,779.45	44.89%
RTSR - Network	\$ 1.8544	2,400	\$ 4,450.56	\$ 1.7722	2,400	\$ 4,253.28	\$ 197.28	-4.43%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.2681	2,400	\$ 3,043.44	\$ 1.2454	2,400	\$ 2,988.96	\$ 54.48	-1.79%
Sub-Total C - Delivery (including Sub-Total B)			\$ 20,368.02			\$ 25,895.71	\$ 5,527.69	27.14%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	963,841	\$ 4,240.90	\$ 0.0044	963,841	\$ 4,240.90	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	963,841	\$ 1,252.99	\$ 0.0013	963,841	\$ 1,252.99	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	931,968	\$ 6,523.78	\$ 0.0070	931,968	\$ 6,523.78	\$ -	0.00%
Ontario Electricity Support Program (OESP)			\$ -	\$ -	963,841	\$ -	\$ -	
Average IESO Wholesale Market Price	\$ 0.0954	963,841	\$ 91,950.46	\$ 0.0954	963,841	\$ 91,950.46	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 124,336.40			\$ 129,864.09	\$ 5,527.69	4.45%
HST	13%		\$ 16,163.73	13%		\$ 16,882.33	\$ 718.60	4.45%
Total Bill (including HST)			\$ 140,500.13			\$ 146,746.42	\$ 6,246.29	4.45%
Ontario Clean Energy Benefit ¹			\$ -			\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 140,500.13			\$ 146,746.42	\$ 6,246.29	4.45%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	264 kWh
Demand	- kW
Current Loss Factor	1.0342
Proposed/Approved Loss Factor	1.0342
Ontario Clean Energy Benefit Applied?	Yes

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 12.98	1	\$ 12.98	\$ 15.16	1	\$ 15.16	\$ 2.18	16.80%
Distribution Volumetric Rate	\$ 0.0126	263.8	\$ 3.32	\$ 0.0096	263.8	\$ 2.53	\$ 0.79	-23.81%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	263.8	\$ -	\$ 0.0001	263.8	\$ 0.03	\$ 0.03	
Sub-Total A (excluding pass through)			\$ 16.30			\$ 17.67	\$ 1.36	8.36%
Line Losses on Cost of Power	\$ 0.1021	9	\$ 0.92	\$ 0.1021	9	\$ 0.92	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	264	\$ 0.42	\$ 0.0010	264	\$ 0.26	\$ 0.16	-37.50%
Low Voltage Service Charge		264	\$ -		264	\$ -	\$ -	
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)			\$ 17.59			\$ 19.11	\$ 1.52	8.64%
RTSR - Network	\$ 0.0066	273	\$ 1.80	\$ 0.0063	273	\$ 1.72	\$ 0.08	-4.55%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0046	273	\$ 1.25	\$ 0.0045	273	\$ 1.23	\$ 0.03	-2.17%
Sub-Total C - Delivery (including Sub-Total B)			\$ 20.65			\$ 22.06	\$ 1.41	6.84%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	273	\$ 1.20	\$ 0.0044	273	\$ 1.20	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	273	\$ 0.35	\$ 0.0013	273	\$ 0.35	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	264	\$ 1.85	\$ -	264	\$ -	\$ 1.85	-100.00%
Ontario Electricity Support Program (OESP)			\$ -	\$ -	273	\$ -	\$ -	
TOU - Off Peak	\$ 0.0800	169	\$ 13.51	\$ 0.0800	169	\$ 13.51	\$ -	0.00%
TOU - Mid Peak	\$ 0.1220	47	\$ 5.79	\$ 0.1220	47	\$ 5.79	\$ -	0.00%
TOU - On Peak	\$ 0.1610	47	\$ 7.64	\$ 0.1610	47	\$ 7.64	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 51.25			\$ 50.81	\$ 0.44	-0.85%
HST	13%		\$ 6.66	13%		\$ 6.61	\$ 0.06	-0.85%
Total Bill (including HST)			\$ 57.91			\$ 57.42	\$ 0.49	-0.85%
Ontario Clean Energy Benefit ¹			\$ 5.79			\$ 5.79	\$ -	-100.00%
Total Bill on TOU			\$ 52.12			\$ 57.42	\$ 5.30	10.17%

Appendix E: LRAMVA

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

Overview

Conservation and Demand Management (“CDM”) programs are designed to provide energy savings and peak demand reductions for customers, thus directly impacting local distribution company (“LDC”) revenue. The Lost Revenue Adjustment Mechanism (LRAM) was developed to remove the disincentive to LDC’s and allow for compensation to an LDC for any lost revenue that may occur due to CDM programs.

Thunder Bay Hydro continues to participate in province-wide CDM programs, offering them to its customers to help them reduce their bills and better manage their electricity.

In its 2013 Cost of Service settlement agreement, it was agreed to reduce the forecasted load by 10.8 GWh to account for programs to be offered between 2011 and 2014. In accordance with the Ontario Energy Board’s (“the Board”) *Guidelines for Electricity Distributor Conservation and Demand Management*, EB-2012-0003, Thunder Bay Hydro tracks, at the customer rate-class level, actual savings from CDM programs compared to the forecasted amount, and calculates the lost revenue implications of this variance.

For CDM programs delivered within the 2011-2014 period, the Board established Account 1568 as the LRAM Variance Account (“LRAMVA”) to capture the variance between the Board approved CDM forecast and the actual results at the customer rate class level.

As part of its Incentive Regulation Mechanism (“IRM”) 2015 Price Cap IR application for 2016 rates, Thunder Bay Hydro is requesting the approval for the recovery of lost

1 revenue and related carrying charges, resulting from its CDM activities pertaining to
2 2011 (persistence), 2012, 2013 and 2014 results, persisting until December 31, 2014.

4 **IESO Results**

5 The Independent Electricity System Operator (“IESO”) has released final results for
6 programs offered between 2011 and 2014 (this program was formerly delivered by the
7 Ontario Power Authority). Thunder Bay Hydro confirms that it has relied on the most
8 recent CDM report from the IESO in support of the lost revenue calculation. A copy of
9 this report can be found in Exhibit A. Thunder Bay Hydro did not run any Board
10 approved programs, and as a result, no further third party verification reports are
11 required.

12 The IESO reports results by “initiative”, which may apply to more than one rate class. In
13 these cases, Thunder Bay Hydro determined the split by rate class, drawing on specific
14 information where available. Due to limited information provided by the IESO and in a
15 small number of cases, Thunder Bay Hydro determined allocations to rate classes on
16 these small IESO adjustments.

17 Thunder Bay Hydro confirms that it has used the most recent input assumptions
18 available at the time of the program evaluation.

19 **Revenue Calculations Overview**

20 The savings and demand reductions for a particular year, for a number of programs,
21 persist in the following years up to, and including, 2014. Persistence, however, was not
22 applied to volumes related to the Demand Response 3 program. In addition, demand
23 savings for the Time-of-Use initiative was not included in the revenue calculation, as it

pertains to load shifting and not load reductions. Thunder Bay Hydro's Program Enabled savings achieved in 2014 were reported by the IESO in kWh; however, this program pertained to the GS 50-999 rate class. As a result, Thunder Bay Hydro determined the equivalent kW volume to calculate related lost revenues.

Lost Revenue Requested

Thunder Bay Hydro is requesting disposition of \$55,693.56 plus carrying charges of \$2,629.95 (to April 30, 2016) for a total of \$58,323.51 from the LRAMVA account, to be recovered over one year through class-specific volumetric rate riders. Actual lost revenue amounts compared to forecast and carrying charges are summarized in **Table 1**.

Table 1 : Summary of lost revenue balances by rate-class

Rate Class	CDM Results 2012-2014	Less: Forecast CDM results 2012-2014	LRAMVA	Carry Charges to April 30, 2016	Total
Residential	\$97,407	\$131,553	(\$34,147)	(\$769)	(\$34,915)
General Service <50 kW	\$125,058	\$55,523	\$69,535	\$2,456	\$71,991
General Service > 50 to 999 kW	\$67,406	\$57,045	\$10,361	\$349	\$10,710
General Service > 1000 kW	\$54,449	\$39,853	\$14,596	\$772	\$15,368
Unmetered Scattered Load	\$0	\$664	(\$664)	(\$20)	(\$684)
Sentinel Lights	\$0	\$53	(\$53)	(\$2)	(\$54)
Street Lighting	\$3,773	\$7,709	(\$3,936)	(\$155)	(\$4,092)
Total	\$348,093	\$292,400	\$55,694	\$2,630	\$58,324

In its 2013 Cost of Service settlement agreement, Thunder Bay Hydro was provided LRAMVA Allocations by customer class, as shown in Table 2 below.

Table 2 : LRAMVA Allocation per Customer Class

	Residential	GS <50 kW	GS > 50 to 999 kW	GS > 1000kW	Streetlights	Sentinel Lights	Unmetered Loads	Total
kWh	5,369,511	2,076,931	4,558,323	2,900,856	176,764	1,936	32,005	15,116,326
kW where applicable			12,385	8,992	498	5		21,880

Source: TBHEDI Settlement Agreement, EB-2012-0167, Page 21 of 79 and IESO Final 2014 CDM Report

1
2 Lost revenues are based on the Board approved volumetric distribution rates. As
3 indicated in the *Guidelines for Electricity Distributor Conservation and Demand*
4 *Management*, EB-2012-0003, volumetric rate riders for tax sharing were included where
5 applicable.

6 Lost revenues in a particular rate class are the product of the savings or demand
7 reductions in that class, less what was accounted for in the load forecast, multiplied by
8 the rate for that class in the calendar year for which the energy savings were reported.

9 As part of its 2013 Cost of Service settlement agreement, Thunder Bay Hydro was
10 approved to recover its 2011 LRAM of \$19,741 plus related carrying charges of \$677,
11 for a total of \$20,418. The 2011 amount recovered does not form part of this application,
12 however, related persistence from 2011 CDM activities was not approved at that time
13 and now form part of this application.

14 The corresponding impact to lost revenues is shown in **Table 3**, where the forecast
15 versus actual lost revenue for 2011 – 2014 arising from the incremental savings are
16 shown.

Table 3 : Forecast vs. Actual Lost Revenue Year

	2011	2012	2013	2014	Total
Forecast Revenue			\$143,243	\$149,157	\$292,400
Actual Revenue		\$66,287	\$101,506	\$180,300	\$348,093
Difference for Disposition		\$66,287	(\$41,737)	\$31,143	\$55,694

17 Lost revenues for each customer class are provided in **Tables 4 to 10** below, with a
18 corresponding Summary provided in **Table 11**.

Table 4 : Lost Revenue - Residential Customer Class

CDM Program	Rate	Load Reduction (kWh)					Lost Revenue \$		
		Forecast (no persistence)	Actual	2011 Persistence	2012 Persistence	2013 Persistence	Forecast	Actual (including persistence)	Difference
2011	\$0.0121								
2012	\$0.0121		591,279	1,035,555				\$19,685	\$19,685
2013	\$0.0122	5,369,511	646,693	1,035,555	591,279		\$65,329	\$27,661	(\$37,668)
2014	\$0.0123	5,369,511	1,884,528	972,324	591,279	610,838	\$66,224	\$50,061	(\$16,163)
Total							\$131,553	\$97,407	(\$34,147)

Table 5 : Lost Revenue - General Service less than 50 kW

CDM Program	Rate	Load Reduction (kWh)					Lost Revenue \$		
		Forecast (no persistence)	Actual	2011 Persistence	2012 Persistence	2013 Persistence	Forecast	Actual (including persistence)	Difference
2011	\$0.0129								
2012	\$0.0128		1,200,011	472,562				\$21,465	\$21,465
2013	\$0.0132	2,076,931	1,477,927	472,562	1,200,011		\$27,415	\$41,587	\$14,171
2014	\$0.0135	2,076,931	1,537,661	409,331	1,192,713	1,442,072	\$28,108	\$62,007	\$33,899
Total							\$55,523	\$125,058	\$69,535

Table 6 : Lost Revenue - General Service 50 to 999 kW

CDM Program	Rate	Load Reduction (kW)					Lost Revenue \$		
		Forecast (no persistence)	Actual	2011 Persistence	2012 Persistence	2013 Persistence	Forecast	Actual (including persistence)	Difference
2011	\$1.3120								
2012	\$1.3169		3,724	1,294				\$6,608	\$6,608
2013	\$2.0969	12,385	4,562	1,294	3,724		\$25,971	\$20,090	(\$5,881)
2014	\$2.5089	12,385	6,645	1,294	3,724	4,562	\$31,074	\$40,708	\$9,634
Total							\$57,045	\$67,406	\$10,361

Table 7 : Lost Revenue - General Service > 1000 kW

CDM Program	Rate	Load Reduction (kW)					Lost Revenue \$		
		Forecast (no persistence)	Actual	2011 Persistence	2012 Persistence	2013 Persistence	Forecast	Actual (including persistence)	Difference
2011	\$2.0009								
2012	\$2.1298		8,294	406				\$18,529	\$18,529
2013	\$2.2034	8,992	5,116	406	0		\$19,814	\$12,168	(\$7,645)
2014	\$2.2285	8,992	6,682	406	0	3,570	\$20,040	\$23,752	\$3,712
Total							\$39,853	\$54,449	\$14,596

Table 8 : Lost Revenue - Street Lighting

CDM Program	Rate	Load Reduction (kW)					Lost Revenue \$		
		Forecast (no persistence)	Actual	2011 Persistence	2012 Persistence	2013 Persistence	Forecast	Actual (including persistence)	Difference
2011	\$12.6926								
2012	\$12.7473		0	0				\$0	\$0
2013	\$8.7222	498	0	0	0		\$4,344	\$0	(\$4,344)
2014	\$6.7584	498	558	0	0	0	\$3,366	\$3,773	\$407
Total							\$7,709	\$3,773	(\$3,936)

Table 9 : Lost Revenue - Unmetered Scattered Load

CDM Program	Rate	Load Reduction (kWh)					Lost Revenue \$		
		Forecast (no persistence)	Actual	2011 Persistence	2012 Persistence	2013 Persistence	Forecast	Actual (including persistence)	Difference
2011	\$0.0126								
2012	\$0.0125		0	0				\$0	\$0
2013	\$0.0108	32,005	0	0	0		\$345	\$0	(\$345)
2014	\$0.0100	32,005	0	0	0	0	\$319	\$0	(\$319)
Total							\$664	\$0	(\$664)

Table 10 : Lost Revenue - Sentinel Lights

CDM Program	Rate	Load Reduction (kW)					Lost Revenue \$		
		Forecast (no persistence)	Actual	2011 Persistence	2012 Persistence	2013 Persistence	Forecast	Actual (including persistence)	Difference
2011	\$4.7334								
2012	\$4.6879		0	0				\$0	\$0
2013	\$5.1150	5	0	0	0		\$26	\$0	(\$26)
2014	\$5.3898	5	0	0	0	0	\$27	\$0	(\$27)
Total							\$53	\$0	(\$53)

Total Lost Revenue	\$292,400	\$348,093	\$55,694
---------------------------	------------------	------------------	-----------------

Table 11 : Lost Revenue - Summary

	Lost Revenue \$ Summary		
	Forecast	Actual (including persistence)	Difference
Residential	\$131,553	\$97,407	(\$34,147)
GS <50 kW	\$55,523	\$125,058	\$69,535
GS > 50 to 999 kW	\$57,045	\$67,406	\$10,361
GS > 1000kW	\$39,853	\$54,449	\$14,596
Unmetered scattered load	\$664	\$0	(\$664)
Sentinel Lights	\$53	\$0	(\$53)
Street Lighting	\$7,709	\$3,773	(\$3,936)
Total	\$292,400	\$348,093	\$55,694

Table 12 below presents a summary of lost revenue amounts requested for each customer rate class by the year they associated with and the year the lost revenue took place.

Table 12 : Lost Revenue by Customer Class, by Year

	Residential	General Service <50 kW	General Service > 50 to 999 kW	General Service > 1000kW	Street Lighting	Unmetered Scattered Loads	Sentinel Lights	Total
2011 forecast	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2011 actual	\$13,346	\$6,222	\$138	\$35	\$0	\$0	\$0	\$19,741
2011 cleared	(\$13,346)	(\$6,222)	(\$138)	(\$35)	\$0	\$0	\$0	(\$19,741)
2012 forecast	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2012 actual	\$19,685	\$21,465	\$6,608	\$18,529	\$0	\$0	\$0	\$66,287
2012 cleared	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2013 forecast	(\$65,329)	(\$27,415)	(\$25,971)	(\$19,814)	(\$4,344)	(\$345)	(\$26)	(\$143,243)
2013 actual	\$27,661	\$41,587	\$20,090	\$12,168	\$0	\$0	\$0	\$101,506
2013 cleared	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2014 forecast	(\$66,224)	(\$28,108)	(\$31,074)	(\$20,040)	(\$3,366)	(\$319)	(\$27)	(\$149,157)
2014 actual	\$50,061	\$62,007	\$40,708	\$23,752	\$3,773	\$0	\$0	\$180,300
2014 cleared	0	0	0	0	0	0	0	\$0
	(\$34,147)	\$69,535	\$10,361	\$14,596	(\$3,936)	(\$664)	(\$53)	\$55,694

Carrying charges accrue from the time of the energy savings or demand reduction, until disposition, are shown in **Table 13**. Carrying charges are calculated on balances as if the amount of revenue was lost evenly throughout the year. Carrying charges on LRAMVA amounts from January 1, 2012 to December 31, 2014 are calculated using OEB prescribed rates. Forecasted carrying charges were calculated based on the current prescribed rate of 1.10%.

Table 13 : Carrying Charges by Customer Class, by Year

	Residential	GS <50 kW	GS > 50 to 999 kW	GS > 1000kW	Unmetered scattered load	Sentinel Lights	Streetlights	Total
2012	\$133	\$145	\$45	\$125	\$0	\$0	\$0	\$447
2013	\$36	\$411	\$58	\$221	(\$2)	(\$0)	(\$29)	\$693
2014	(\$373)	\$752	\$76	\$185	(\$7)	(\$1)	(\$61)	\$571
2015 Forecast	(\$407)	\$829	\$124	\$174	(\$8)	(\$1)	(\$47)	\$664
2016 Forecast	(\$157)	\$319	\$47	\$67	(\$3)	(\$0)	(\$18)	\$255
	(\$769)	\$2,456	\$349	\$772	(\$20)	(\$2)	(\$155)	\$2,630

Lost Revenue Requested

In accordance with the Board's updated *Chapter 3* of the *Filing Requirements for Electricity Distribution Rate Applications*, – 2015 edition for 2016 Rate Applications, issued July 16, 2015, Thunder Bay Hydro is requesting disposition of the balance in LRAMVA resulting from its CDM activities between 2011-2014 with corresponding carrying amounts. Thunder Bay Hydro notes that the components of this claim, which will be allocated and recovered from different groups of customers, do not meet the materiality threshold, however, Thunder Bay Hydro does consider it important to align the LRAM disposition as close as possible to the associated years, in addition to minimizing carrying charges. Disposition is requested through a customer class specific volumetric rate rider over one year, as shown in **Table 14** below.

Table 14 : Requested Rate Riders for Disposition of the LRAMVA

Rate Class	Load	Allocated Balance	Recovery Period (Years)	Unit	Rate Rider
Residential	341,552,037	(\$34,915)	1	kWh	-0.0001
General Service <50 kW	139,304,495	\$71,991	1	kWh	0.0005
General Service > 50 to 999 kW	712,997	\$10,710	1	kW	0.0150
General Service > 1000kW	534,121	\$15,368	1	kW	0.0288
Unmetered Scattered Load	2,099,482	(\$684)	1	kWh	-0.0003
Sentinel Lights	334	(\$54)	1	kW	-0.1620
Street Lighting	29,219	(\$4,092)	1	kW	-0.1400
Total		\$58,324			

EXHIBIT A

IESO 2011 - 2014 FINAL CDM RESULTS



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

Table of Contents			
Summary		Provides a summary of the LDC specific IESO-Contracted Province-Wide Program performance to date: achievement against target using scenerio 1, sector breakdown and progress to target for the LDC community.	3
LDC-Specific Performance (LDC Level Results)			
Table 1	LDC Initiative and Program Level Net Savings	Provides LDC-specific initiative-level results (activity, net peak demand and energy savings, and how each initiative contributes to targets).	4
Table 2	LDC Adjustments to Net Verified Results	Provides LDC-specific initiative level adjustments from previous years' (activity, net peak demand and energy savings).	5
Table 3	LDC Realization Rates & NTGs	Provides LDC-specific initiative-level realization rates and net-to-gross ratios.	6
Table 4	LDC Net Peak Demand Savings (MW)	Provides a portfolio level view of LDC achievement of net peak demand savings against OEB target.	7
Table 5	LDC Net Energy Savings (GWh)	Provides a portfolio level view of LDC achievement of net energy savings against OEB target.	7
Province-Wide Data - (LDC Performance in Aggregate)			
Table 6	Provincial Initiative and Program Level Net Savings	Provides province-wide initiative-level results (activity, net peak demand and energy savings, and how each initiative contributes to targets).	8
Table 7	Provincial Adjustments to Net Verified Results	Provides province-wide initiative level adjustments from previous years (activity, net peak demand and energy savings).	9
Table 8	Provincial Realization Rates & NTGs	Provides province-wide initiative-level realization rates and net-to-gross ratios.	10
Table 9	Provincial Net Peak Demand Savings (MW)	Provides a portfolio level view of provincial achievement of net peak demand savings against the OEB target.	11
Table 10	Provincial Net Energy Savings (GWh)	Provides a portfolio level view of achievement of provincial net energy savings against the OEB target.	11
Appendix			
-	Methodology	Detailed descriptions of methods used for results.	12 to 21
-	Reference Tables	Consumer Program allocation methodology.	22 to 23
-	Glossary	Definitions for terms used throughout the report.	24
Table 11	LDC Initiative and Program Level Gross Savings	Provides LDC-specific initiative-level results (gross peak demand and energy savings).	25
Table 12	LDC Adjustments to Gross Verified Results	Provides LDC-specific initiative level adjustments from previous years (gross peak demand and energy savings).	26
Table 13	Provincial Initiative and Program Level Gross Savings	Provides province-wide initiative-level results (gross peak demand and energy savings).	27
Table 14	Provincial Adjustments to Gross Verified Results	Provides province-wide initiative level adjustments from previous years (gross peak demand and energy savings).	28

IESO-Contracted Province-Wide CDM Programs: 2011-2014 Final Results Report

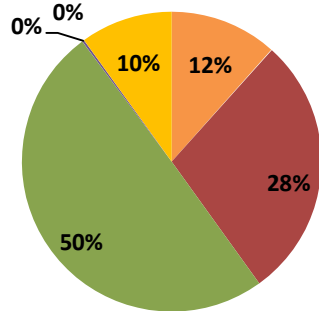
LDC: Thunder Bay Hydro Electricity Distribution Inc.

Final 2014 Achievement Against Targets	2014 Incremental	2011-2014 Achievement Against Target	% of Target Achieved
Net Annual Peak Demand Savings (MW)	3.8	5.9	69.9%
Net Energy Savings (GWh)	13.3	47.0	99.2%

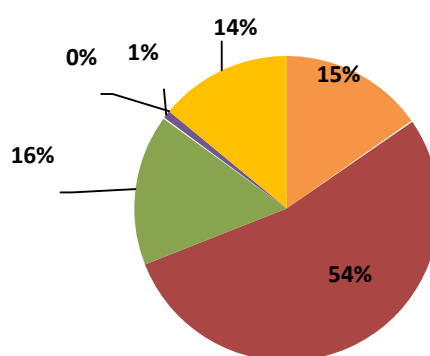
Unless otherwise noted, results are presented using scenario 1 which assumes that demand response resources have a persistence of 1 year

Achievement by Sector

2014 Incremental Peak Demand Savings (MW)



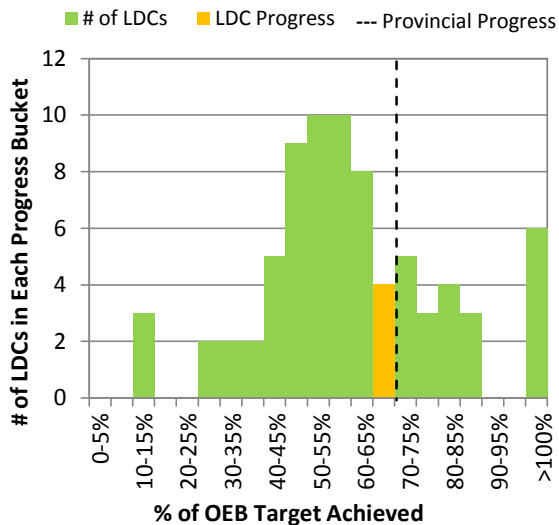
2014 Incremental Energy Savings (GWh)



Consumer Business Industrial HAP ACP Other

Comparison: LDC Achievement vs. LDC Community Achievement (Progress to Target)

% of OEB Peak Demand Savings Target Achieved



% of OEB Energy Savings Target Achieved

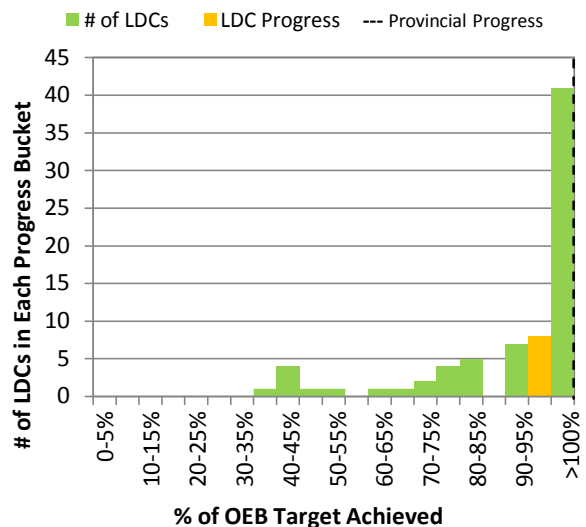


Table 1: Thunder Bay Hydro Electricity Distribution Inc. Initiative and Program Level Net Savings by Year

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)	
														2014	2014	
Consumer Program																
Appliance Retirement	Appliances	720	430	268	216	44	24	17	14	309,783	173,731	115,059	94,441	98	2,083,873	
Appliance Exchange	Appliances	14	45	99	60	1	7	21	12	1,969	11,971	36,575	22,166	40	138,427	
HVAC Incentives	Equipment	403	316	358	727	177	81	78	176	352,545	151,972	144,494	334,874	512	2,489,958	
Conservation Instant Coupon Booklet	Items	4,533	270	3,040	9,024	10	2	5	18	166,902	12,218	67,350	246,039	35	1,084,999	
Bi-Annual Retailer Event	Items	8,320	9,270	8,256	42,159	15	13	10	70	256,791	234,021	150,119	1,073,937	108	3,103,401	
Retailer Co-op	Items	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Residential Demand Response	Devices	0	0	169	270	0	0	69	115	0	0	5	0	115	5	
Residential Demand Response (IHD)	Devices	0	0	168	241	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						247	127	199	406	1,087,989	583,913	513,601	1,771,458	909	8,900,663	
Business Program																
Retrofit	Projects	40	70	114	112	130	281	625	754	576,642	1,234,406	5,985,894	5,389,631	1,770	23,300,263	
Direct Install Lighting	Projects	76	163	177	210	119	216	256	236	295,711	788,018	884,904	866,072	776	6,056,029	
Building Commissioning	Buildings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
New Construction	Buildings	0	0	0	2	0	0	0	8	0	0	0	-4,435	8	-4,435	
Energy Audit	Audits	6	4	0	0	0	21	0	0	0	100,705	0	0	21	302,115	
Small Commercial Demand Response	Devices	0	0	1	2	0	0	1	2	0	0	0	0	2	0	
Small Commercial Demand Response (IHD)	Devices	0	0	1	2	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	0	0	0	
Business Program Total						249	518	881	1,001	872,353	2,123,128	6,870,797	6,251,267	2,577	29,653,971	
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	0	3	0	0	0	201	0	0	0	1,859,328	201	1,859,328	
Retrofit	Projects	2	0	0	0	18	0	0	0	109,094	0	0	0	18	436,376	
Demand Response 3	Facilities	0	2	2	1	0	1,659	1,546	1,546	0	39,974	35,207	0	1,546	75,181	
Industrial Program Total						18	1,659	1,546	1,747	109,094	39,974	35,207	1,859,328	1,765	2,370,885	
Home Assistance Program																
Home Assistance Program	Homes	0	0	286	264	0	0	6	8	0	0	92,774	113,070	15	296,003	
Home Assistance Program Total						0	0	6	8	0	0	92,774	113,070	15	296,003	
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	12	0	0	0	15	0	0	0	85,317	0	0	0	15	341,266	
High Performance New Construction	Projects	0	2	0	0	1	9	0	0	2,727	35,281	0	0	10	116,750	
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						15	9	0	0	88,043	35,281	0	0	24	458,016	
Other																
Program Enabled Savings	Projects	0	2	5	1	0	0	0	0	0	0	0	1,629,539	0	1,629,539	
Time-of-Use Savings	Homes	0	0	0	n/a	0	0	0	349	0	0	0	0	349	0	
LDC Pilots	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Total						0	0	0	349	0	0	0	1,629,539	349	1,629,539	
Adjustments to 2011 Verified Results						-18				0	44,430				0	3,666
Adjustments to 2012 Verified Results										3					7,366	75,503
Adjustments to 2013 Verified Results																1,622,218
Energy Efficiency Total						530	654	1,018	1,848	2,157,479	2,742,323	7,477,168	11,624,662	3,976	43,233,891	
Demand Response Total (Scenario 1)						0	1,659	1,615	1,663	0	39,974	35,211	0	1,663	75,186	
Adjustments to Previous Years' Verified Results Total						0	-18	3	305	0	44,430	7,366	1,701,387	290	3,689,508	
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						530	2,295	2,637	3,817	2,157,479	2,826,727	7,519,745	13,326,049	5,930	46,998,586	
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														8,480		
Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year														% of Full OEB Target Achieved to Date (Scenario 1):		
														69.9%		
														99.2%		

Table 2: Adjustments to Thunder Bay Hydro Electricity Distribution 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	-119	14	33		-38	3	8		-73,922	7,366	13,711		-27	-246,167
Conservation Instant Coupon Booklet	Items	72	0	9		0	0	0		2,409	0	206		0	10,047
Bi-Annual Retailer Event	Items	715	0	0		1	0	0		19,079	0	0		1	76,315
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						-37	3	8		-52,434	7,366	13,917		-26	-159,805
Business Program															
Retrofit	Projects	3	3	3		3	5	53		21,336	24,442	265,028		60	685,252
Direct Install Lighting	Projects	0	0	0		0	0	0		0	0	0		0	0
Building Commissioning	Buildings	0	0	0		0	0	0		0	0	0		0	0
New Construction	Buildings	0	0	0		0	0	0		0	0	0		0	0
Energy Audit	Audits	3	0	0		16	1	0		79,195	3,416	0		17	327,028
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						20	6	53		100,531	27,858	265,028		77	1,012,280
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	0		0	0	0		0	0	0		0	0
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	0		0	0	0		0	0
Home Assistance Program															
Home Assistance Program	Homes	0	0	22		0	0	2		0	0	26,401		2	52,196
Home Assistance Program Total						0	0	2		0	0	26,401		2	52,196
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	0	1	0		0	30	0		0	0	0		30	0
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						0	30	0		0	0	0		30	0
Other															
Program Enabled Savings	Projects	0	2	5		0	55	153		0	47,645	1,320,952		207	2,784,838
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	55	153		0	47,645	1,320,952		207	2,784,838
Adjustments to 2011 Verified Results						-17				48,096				-17	192,386
Adjustments to 2012 Verified Results							93				82,869			93	248,608
Adjustments to 2013 Verified Results								216				1,626,298		215	3,248,515
Total Adjustments to Previous Years' Verified Results						-17	93	216		48,096	82,869	1,626,298		290	3,689,508

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: Thunder Bay Hydro Electricity Distribution 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	0.47	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	0.49	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	1.69	1.00	1.00	1.00	1.00	1.11	1.05	1.13	1.73
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	0.93	0.98	0.93	0.87	0.74	0.77	0.75	0.73	1.31	1.12	1.05	1.07	0.76	0.78	0.71	0.73
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	n/a	n/a	0.91	n/a	n/a	n/a	0.54	n/a	n/a	n/a	-0.16	n/a	n/a	n/a	0.54
Energy Audit	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	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	n/a	0.97	0.88	n/a	n/a	1.00	1.00	n/a	n/a	0.86	0.79	n/a	n/a	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	0.77	n/a	n/a	n/a	0.52	n/a	n/a	n/a	0.77	n/a	n/a	n/a	0.52	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	n/a	n/a	n/a	n/a	1.00	n/a	n/a	n/a	1.00	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	0.5	0.5	0.5	0.5
2012 - Verified†	0.0	2.3	0.6	0.6
2013 - Verified†	0.0	0.0	2.6	1.0
2014 - Verified†	0.0	0.1	0.3	3.8
Verified Net Annual Peak Demand Savings Persisting in 2014:				5.9
Thunder Bay Hydro Electricity Distribution Inc. 2014 Annual CDM Capacity Target:				8.5
Verified Portion of Peak Demand Savings Target Achieved in 2014 (%):				69.9%

Table 5: Net Energy Savings at the End User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	2.2	2.2	2.2	2.0	8.5
2012 - Verified†	0.0	2.8	2.8	2.8	8.4
2013 - Verified†	0.0	0.0	7.5	7.4	14.9
2014 - Verified†	0.0	0.1	1.71	13.3	15.1
Verified Net Cumulative Energy Savings 2011-2014:					47.0
Thunder Bay Hydro Electricity Distribution Inc. 2011-2014 Annual CDM Energy Target:					47.4
Verified Portion of Cumulative Energy Target Achieved in 2014 (%):					99.2%

†Includes adjustments to previous years' verified results

Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year

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						1,406				641	1,418	18,689,081	1,736,381	7,319,857	3,215	110,143,550	
Adjustments to 2012 Verified Results										6,260	9,221		41,947,840	37,080,215	15,401	238,780,637	
Adjustments to 2013 Verified Results										24,391			150,785,808	24,391	296,465,211		
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).						*Includes adjustments after Final Reports were issued						Full OEB Target:				1,330,000	6,000,000,000
						Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year.						% 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 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
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

METHODOLOG

Y

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 result 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: Thunder Bay Hydro Electricity Distribution 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	86	24	37	30	594,719	173,731	244,093	200,196
Appliance Exchange**	Appliances	3	7	39	24	3,820	11,971	69,489	42,115
HVAC Incentives	Equipment	297	166	164	370	592,145	312,914	306,172	706,060
Conservation Instant Coupon Booklet	Items	9	2	4	11	151,395	11,586	59,788	142,516
Bi-Annual Retailer Event	Items	13	14	10	40	235,049	255,345	143,666	613,891
Retailer Co-op	Items	0	0	0	0	0	0	0	0
Residential Demand Response	Devices	0	0	69	115	0	0	5	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		408	213	323	590	1,577,128	765,547	823,213	1,704,779
Business Program									
Retrofit	Projects	177	331	894	1,057	754,011	1,363,631	8,618,334	7,541,671
Direct Install Lighting	Projects	111	290	271	250	318,469	947,074	937,527	917,575
Building Commissioning	Buildings	0	0	0	0	0	0	0	0
New Construction	Buildings	0	0	0	16	0	0	0	-8,214
Energy Audit	Audits	0	21	0	0	0	100,705	0	0
Small Commercial Demand Response	Devices	0	0	1	2	0	0	0	0
Small Commercial Demand Response (IHD)	Devices	0	0	0	0	0	0	0	0
Demand Response 3	Facilities	0	0	0	0	0	0	0	0
Business Program Total		288	642	1,166	1,325	1,072,480	2,411,410	9,555,861	8,451,032
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	223	0	0	0	2,065,920
Retrofit	Projects	24	0	0	0	143,002	0	0	0
Demand Response 3	Facilities	0	1,659	1,546	1,546	0	39,974	35,207	0
Industrial Program Total		24	1,659	1,546	1,769	143,002	39,974	35,207	2,065,920
Home Assistance Program									
Home Assistance Program	Homes	0	0	6	8	0	0	92,774	113,070
Home Assistance Program Total		0	0	6	8	0	0	92,774	113,070
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	28	0	0	0	164,070	0	0	0
High Performance New Construction	Projects	1	18	0	0	5,453	70,562	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		29	18	0	0	169,523	70,562	0	0
Other									
Program Enabled Savings	Projects	0	0	0	0	0	0	0	1,629,539
Time-of-Use Savings	Homes	0	0	0	349	0	0	0	0
LDC Pilots	Projects	0	0	0	0	0	0	0	0
Other Total		0	0	0	349	0	0	0	1,629,539
Adjustments to 2011 Verified Results			-42	0	1		2,657	0	5,402
Adjustments to 2012 Verified Results				8	122			15,164	86,028
Adjustments to 2013 Verified Results					245				1,754,718
Energy Efficiency Total		749	873	1,425	2,378	2,962,133	3,247,519	10,471,843	13,964,339
Demand Response Total		0	1,659	1,615	1,663	0	39,974	35,211	0
Adjustments to Previous Years' Verified Results Total		0	-42	8	368	0	2,657	15,164	1,846,148
OPA-Contracted LDC Portfolio Total (inc. Adjustments)		749	2,490	3,049	4,410	2,962,133	3,290,151	10,522,218	15,810,487

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 Thunder Bay Hydro Electricity Distribution 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	-64	8	16		-123,903	15,164	28,909	
Conservation Instant Coupon Booklet	Items	0	0	0		2,237	0	181	
Bi-Annual Retailer Event	Items	1	0	0		20,741	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		-62	8	16		-100,926	15,164	29,090	
Business Program									
Retrofit	Projects	5	0	77		28,054	33,349	383,913	
Direct Install Lighting	Projects	0	0	0		0	0	0	
Building Commissioning	Buildings	0	0	0		0	0	0	
New Construction	Buildings	0	0	0		0	0	0	
Energy Audit	Audits	16	0	0		75,529	5,034	0	
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		20	0	77		103,583	38,383	383,913	
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	0		0	0	0	
Retrofit	Projects	0	0	0		0	0	0	
Demand Response 3	Facilities	0	0	0		0	0	0	
Industrial Program Total		0	0	0		0	0	0	
Home Assistance Program									
Home Assistance Program	Homes	0	0	2		0	0	26,401	
Home Assistance Program Total		0	0	2		0	0	26,401	
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	0	0	0		0	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		0	0	0		0	0	0	
Other									
Program Enabled Savings	Projects	0	0	153		0	47,645	1,320,952	
Time-of-Use Savings	Homes	0	0	0		0	0	0	
LDC Pilots	Projects	0	0	0		0	0	0	
Other Total		0	0	153		0	47,645	1,320,952	
Adjustments to 2011 Verified Results		-42				2,657			
Adjustments to 2012 Verified Results			8				101,192		
Adjustments to 2013 Verified Results				248				1,760,356	
Total Adjustments to Previous Years' Verified Results		-42	8	248		2,657	101,192	1,760,356	

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)			
		Includes adjustments after Final Reports were issued				Includes adjustments after Final Reports were issued			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program		Consumer Program				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		Business Program				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		Industrial Program				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				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		Aboriginal Program				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		Pre-2011 Programs completed in 2011				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		Other				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).