



PUC Distribution Inc.
500 Second Line EAST, P.O. Box 9000
SAULT STE. MARIE, ONTARIO, P6A 4K1

October 14, 2016

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

Attention: Ms. Walli

**Re: PUC Distribution Inc.'s 2016 4th Generation IR Distribution Rate
Application
Board File No. EB-2016-0102**

PUC Distribution ("PUC") is pleased to submit to the Ontario Energy Board its 2017 Electricity Rate Application, in accordance with the Board's Directive and Guidelines. The filing guidelines indicate that each application should include:

- A Managers summary documenting and explaining all rate adjustments applied for;
- The primary contact information for the IRM application;
- A completed Rate Generator model and Supplementary work forms, provided by the Board, in both electronic (i.e. Excel) and PDF form;
- A PDF copy of the current Tariff Sheet;
- Supporting documentation cited within the application;
- A statement as to who will be affected by the application;
- A statement confirming the accuracy of the billing determinants for pre-populated models; and
- A text searchable Adobe PDF format for all documents

The primary contact for this application is Andrew Belsito, Rates and Regulatory Affairs Officer. Phone number 705-759-3009 or email at Andrew.Belsito@ssmpuc.com.

PUC Distribution will issue the notice in the Sault Star in both English and French. The Sault Star is a daily paid circulation issuing 13,000 copies and an estimated readership of 26,000. The Sault Star covers PUC Distribution's entire service territory and has the highest readership and circulation numbers in the area.



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Affected by this application will include all PUC customers within PUC's service territory of Sault Ste. Marie. This includes customers within the following rate classes:

- Residential
- General Service Less Than 50 kW
- General Service 50 to 4,999 kW
- Unmetered Scattered Load
- Sentinel Lighting
- Street Lighting

The billing determinants used in the pre-populated models of the 2017 Rate Generator are complete and accurate. PUC is confirming that they match our records and what was provided to the OEB through the 2015 RRR.

PUC's 2017 electricity distribution application will be sent to the OEB in the following form:

- (a) Electronic filing through the Board's web portal, consisting of one (1) electronic copy of the application in a searchable/unrestricted PDF format and one (1) electronic copy in Microsoft Excel format of the completed Rate Generator model along with supplemental filing work forms.
- (b) Two (2) paper copies of the application.

Sincerely,

Andrew Belsito, CPA, CMA
Rates and Regulatory Affairs Officer
PUC Distribution Inc.
Sault Ste. Marie Ont.
Email: Andrew.Belsito@ssmpuc.com
Phone: 705-759-3009

PUC Distribution Inc. (“PUC”)

MANAGER’S SUMMARY

**2017 Distribution Rate Application
Under 4th Generation Incentive Rate Setting**

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

AND IN THE MATTER of an application by PUC Distribution Inc. to the Ontario Energy Board for an Order or Orders approving or fixing just and reasonable rates and other charges for electricity distribution to be effective May 1, 2015.

PUC has prepared the 2016 4th Generation Incentive Rate-Setting Application consistent with Chapter 3 of the filing requirements for electricity distribution rate applications revised by the Ontario Energy Board (the “OEB”) on July 16, 2015.

The Managers Summary will address the following items:

1. Annual Adjustment Mechanism
2. Z-factor Claims
3. Off-Ramps
4. Tax Changes
5. Review and Disposition of Group 1 Deferral and Variance Account Balances
6. LRAMVA Variance Account
7. Revenue-to-cost Ratio Adjustment
8. Electricity Distribution Retail Transmission Service Rates
9. Rate Design for Residential Electricity Customers
10. Incremental Capital Module
11. Conservation and Demand Management Costs for Distributors

The Exhibits are as follows:

- Exhibit 1 – 2017 Proposed Tariff of Rates and Charges
- Exhibit 2 – Current Tariff of Rates and Charges
- Exhibit 3 – Bill Impacts
- Exhibit 4 – 2017 Rate Generator Model
- Exhibit 5 – SSM PUC 2013-2015 LRAMVA Report
- Exhibit 6 – SSM PUC 2013-2015 LRAMVA Work Form
- Exhibit 7 – SSM PUC 2013-2015 LRAMVA Calculator

1. Annual Adjustment Mechanism

The annual adjustment mechanism is defined as the annual percentage change in the inflation factor less an X-Factor (i.e. productivity factor and stretch factor). As part of the supplemental report on the RRFE (renewed regulatory framework for electricity distributors) the Board will establish the final inflation factor, productivity factor and stretch factor to apply to distributors for 2017 rate setting. Board staff will update PUC's Rate Generator Model with the final parameters as established. The rate Generator Model initially includes rate-setting parameters from the preceding year as a placeholder. This has been updated to the current inflation factor of 2.1%, productivity factor of 0.00% and a stretch factor of 0.45% (representing the fourth cohort) for a total price index adjustment of 1.65%.

The price index adjustment is not applied to the following components of delivery rates:

- Rate Adders;
- Rate Riders;
- Low Voltage Service Charges;
- Retail Transmission Service Rates;
- Wholesale Market Service Rates;
- Rural Rate Protection Charge;
- Standard Supply Service – Administration Charge;
- Micro-FIT Service Charge;
- Specific Service Charges;
- Transformation and Primary Metering Allowances; and
- Smart Meter Entity Charge.

2. Z-Factor Claims

Z-factor claims are intended to provide for unforeseen events outside of a distributor's management control, regardless of a distributors' rate-setting mechanism at the time of the event. The cost to a distributor must be material and its causation clear. In this application, PUC is not applying for a Z-factor claim.

3. Off-Ramps

An off ramp is based on a pre-defined set of conditions under which a plan based on any of the three rate-setting methods would be terminated or modified before its normal end-of-term date due to excessive over or under earnings. In this application, PUC is not applying for an off-ramp.

4. Tax Changes

Under a 4th Generation IR there is a 50/50 sharing of the impact of currently known legislation tax changes as applied to the tax level reflected in the Board-approved base rates for distributors. The 2017 Rate Generator Model includes a change in the corporate tax rate from 22.44% to 26.50% which has created an incremental tax charge of \$61,394. In line with the 50/50 sharing, a rate rider will be added to each rate class in the 2017 tariff schedule in order to collect \$30,697 over a one year period from PUC customers. The following rate riders will be in effect as of May 1, 2017 until April 30, 2018:

Table 1: Tax Change Rate Riders

Rate Class	Rate Rider
Residential	\$.05 - Fixed
General Service <50 kW	\$0.0001/kWh
General Service 50 to 4,999 kW	\$0.0101/kW
Unmetered Scattered Load	\$0.0001/kWh
Sentinel Lighting	\$0.0793/kW
Street Lighting	\$0.0620/kW

5. Review and Disposition of Group 1 Deferral and Variance Account Balances

PUC followed the *Report of the Board on Electricity Distributors' Deferral and Variance Account Review Report* (the "EDDVAR Report"). The report provides that under the 4th Generation IR, the distributors Group 1 audited account balances will be reviewed and disposed of if the pre-set disposition threshold of \$0.001 per kWh is exceeded. The Group 1 accounts are as follows:

1550 – Low Voltage Account;
 1580 – RSVA Wholesale Market Service Charge Account;
 1584 – RSVA Retail Transmission Network Charges Account;
 1586 – RSVA Retail Transmission Connection Charge Account;
 1588 – RSVA Power Account;
 1589 – RSVA Global Adjustment Account;
 1590 – Recovery of Regulatory Asset Balances Account (if applicable); and
 1595 – Disposition and Recovery/Refund of Regulatory Balances Account.

PUC exceeded the threshold test of \$0.001 per kWh as shown below:

Threshold Test

Total Claim (excluding Account 1568)	(\$6,325,116)
Total Claim for Threshold Test (All Group 1 Account)	(\$6,509,444)
Threshold Test (Total Claim per kWh)	(\$0.0097)

PUC is applying for disposal of the following accounts:

1580 – Wholesale Market Service Charge
 1584 – Retail Transmission Network Charge
 1588 – RSVA Power (Excluding Global Adjustment)
 1589 – RSVA Global Adjustment

PUC does not use accounts 1550 (LV Variance Account) or 1586 (Retail Transmission Connection Charge) therefore these accounts are not included in the application for recovery. PUC is also not disposing of account 1551 (Smart Metering Entity Charge Variance). The original claim amount of \$23,832 has been removed from the total claim column as this balance is a timing variance between payment to the IESO and payment

from customers. PUC does not want to dispose of this amount as is it not a permanent variance and will balance out at the ending of the rate rider period.

PUC has completed the continuity schedule on Sheet 3 of the 2017 IRM Rate Generator Model. In the Continuity Schedule, PUC has included the December 31, 2015 Group 1 account balances; 2016 dispositions instructed by the Board; and projected carrying charges to April 30, 2017 using the Board's prescribed interest rate of 1.10%. The balances for disposition are as follows:

Table 2 – Group 1 Account Total Claim Balances

1580 – Wholesale Market Service Charge	(1,543,220)
1584 – Retail Transmission Network Charge	(77,147)
1588 – RSVA Power (Excluding Global Adjustment)	(5,084,683)
1589 – RSVA Global Adjustment	195,607
Total	(6,509,443)

PUC used billing determinants from the last Board-approved volumetric forecast in PUC's 2013 Cost of Service Rate Application (EB-2012-0162) to allocate the regulatory asset recovery balances for accounts 1580, 1584, and 1588 to the rate classes. Global Adjustment sub-account 1589 is allocated to the rate classes based on non-RPP kWh. PUC is applying for a charge period of one year from May 1, 2017 to April 30, 2018.

The regulatory asset rate riders, as calculated in the deferral and variance work form which is included in the 2017 Rate Generator Model (excluding 1589 account Global Adjustment), are included in Table 3 below.

Tables 3 – Regulatory Asset Rate Riders

Residential	(\$0.0100)/kWh
General Service less than 50 kW	(\$0.0100)/kWh
General Service 50 to 4,999 kW	(\$3.5879)/kW
Unmetered Scattered Load	(\$0.0100)/kWh
Sentinel Lighting	(\$3.1351)/kW
Street Lighting	(\$3.3530)/kW

The regulatory asset rate riders, as calculated in the deferral and variance work form, that are applicable only to Non-RPP customers for the Global Adjustment Variance are included in Table 4 below.

Table 4 – Global Adjustment Rate Riders

Residential	\$0.0008/kWh
General Service Less than 50 kW	\$0.0008/kWh
General Service 50 to 4,999 kW	\$0.0008/kWh
Unmetered Scattered Load	0
Sentinel Lighting	0
Street Lighting	\$0.0008/kWh

6. LRAMVA Variance Account

In accordance with the Board's *Guidelines for Electricity Distributors CDM*, at a minimum, distributors must apply for disposition of the balance in the LRAMVA at the time of their Cost of Service rate applications. Distributors may apply for the disposition of the LRAMVA balance in IRM rate applications if the balance is deemed significant by the applicant. All requests for disposition of the LRAMVA must be made together with carrying charges.

PUC has contracted the services of IndEco to complete an LRAMVA Report (Exhibit 5) and the OEB provided work form (Exhibit 6). PUC contracted with the IESO (formerly OPA) to offer a suite of CDM programs to customers in a variety of rate classes for the 2011-2014 period and subsequently with the IESO for the 2015-2020 period. PUC is required to use the most recent and appropriate final CDM evaluation report from the IESO in support of its lost revenue calculation. The final 2015 annual verified results report is the most recent final CDM evaluation report available from the IESO. Thus, PUC may claim lost revenue from CDM programs up to and including 2015 in this application.

PUC disposed of lost revenues in the 2013 COS application and the 2014 IRM application. The LRAMVA threshold estimated from 2011-2013 CDM programs in 2013 is compared to the calculated lost revenue from verified final CDM results. The difference between these two is the LRAMVA value PUC is claiming for 2013-2015. The LRAMVA report, as seen in Exhibit 5, determines the variance account balance for revenue losses between 2013 and 2015. The carrying charges on these variances through April 2017 will also be reported.

The LRAMVA balance at the end of December 2015 for PUC that includes results from 2011-2015 CDM programs and adjustments to 2011 to 2013 results in 2013-2015 is \$189,843.04. The total carrying charges on this LRAMVA balance accumulated to April 30, 2017 are \$4,974.72. These balances are attributable to individual rate classes according to the following table:

Table 5 – LRAMVA New Disposition per Rate Class

Rate Class	LRAMVA	Carrying Charges	Total
Residential	(\$18,222.02)	(\$1,426.68)	(\$19,648.70)
GS<50 kW	\$177,517.46	\$5,674.33	\$183,191.79
GS 50 to 4,999 kW	\$47,056.47	\$1,297.46	\$48,353.93
Unmetered Scattered Load	(\$1,038.64)	(\$34.67)	(\$1,073.31)
Sentinel Lighting	(\$781.80)	(\$26.06)	(\$807.86)
Street Lighting	(\$14,688.44)	(\$509.65)	(\$15,198.10)
Total	\$189,843.04	\$4,974.72	\$194,817.76

In Table 6 below, PUC has summarized the LRAMVA claim of the CDM results and adjustments. Carrying charges are included at the OEB prescribed rate. The total LRAMVA claim amount of \$194,817.76 was added to the 2016 projected interest column of the continuity schedule in the 2016 Rate Generator Model in order for the actual rate rider to flow through to the Final Tariff Schedule. Also included in the table below is the residual amount over collected from the 2014 IRM which will be included in the current disposition amounts. The kWh/Kws used in the rate rider calculation are from PUC's 2015 Board approved RRR which also match the total metered kWh/kW's from tab "7. Calculation of Def-Var RR" within the 2016 Rate Generator Model.

Table 6 – LRAMVA Rate Rider

	Residential	GS<50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting
LRAMVA Balance at end of 2015	\$ (18,222.02)	\$ 177,517.46	\$ 47,056.47	\$ (1,038.64)	\$ (781.80)	\$ (14,688.44)
Carrying Charges	\$ (1,426.68)	\$ 5,674.33	\$ 1,297.46	\$ (34.67)	\$ (26.06)	\$ (509.65)
Total LRAMVA New Claim	\$ (19,648.70)	\$ 183,191.79	\$ 48,353.93	\$ (1,073.31)	\$ (807.86)	\$ (15,198.09)
LRAMVA Carryforward Balance as of December 31, 2015	\$ (10,412.95)	\$ (14.87)	\$ (62.74)	\$ -	\$ -	\$ -
Total LRAMVA Claim	\$ (30,061.65)	\$183,176.92	\$ 48,291.19	\$ (1,073.31)	\$ (807.86)	\$ (15,198.09)
kWh/kW	310,458,240	95,701,162	711,314	912,709	752	21,795
Rate Rider	(0.0001)	0.0019	0.0679	(0.0012)	(1.0749)	(0.6973)
	/ kWh	/ kWh	/ kW	/ kWh	/ kW	/ kW

7. Revenue-to-cost Ratio Adjustment

In PUC's 2013 Cost of Service Rate Application (EB-2012-0162) the Board's decision did not include a phase-in period to adjust the revenue-to-cost ratios. Therefore, PUC is not applying for a revenue-to-cost ratio adjustment in this application.

8. Electricity Distribution Retail Transmission Service Rates

PUC is applying for a decrease in the network service rates in accordance with the OEB guidelines (G-2008-0001) issued June 28, 2012. The decrease is calculated using the 2016 IRM Rate Generator Model issued by the OEB that applies historical wholesale and retail consumption to current and future wholesale and retail rates. When the January 1, 2016 rates are determined, the Board Staff will adjust the 2016 RTSR section of the Rate Generator Model accordingly. Consistent with prior years, PUC Distribution's customers are not subject to the retail connection transmission service rates due to the fact that PUC receives power at 115kV and owns the transformer equipment to step down to distribution levels.

A summary of the current and proposed Retail Transmission Rates are in Table 7 below:

Table 7 – RTSR – Network Rates

	Current RTSR - Network (\$)	Proposed RTSR - Network (\$)
Residential (kWh)	0.0061	0.0059
General Service <50 kW (kWh)	0.0057	0.0055
General Service > 50kW (kW)	2.3384	2.2455
General Service >50 kW Interval Metered (KW)	2.9408	2.8240
USL (kWh)	0.0057	0.0055
Sentinel Lighting (kW)	1.7725	1.7021
Street Lighting (kW)	1.7635	1.6935

9. Rate Design for Residential Electricity Customers

On April 2, 2015 the OEB released its *Board Policy: a New Distribution Rate Design for Residential Electricity Customers (EB-2014-0210)*, which stated that electricity distributors will transition to a fully fixed monthly distribution service charge for residential customers which will be implemented, in most cases, over a period of four years, beginning in 2016.

In proposing a transition to a fully fixed rate design, PUC has followed the approach set out in Sheet 16 of the 2017 IRM Rate Generator. In using the standard four year transition to a fixed service charge, PUC has calculated the monthly fixed charge increase to be greater than \$4 per year. PUC mitigated this issue during their 2016 IRM application (EB-2015-0089) by applying for an extension of the transition period by one year, which was ultimately approved by the Board.

When determining PUC's residential customers 10th consumption percentile, 13 months of actual source data was used on all residential customers to get an average consumption amount per month per customer. Based on the number of customers and sorting the

consumption from smallest to largest, it was determined that the 10th consumption percentile for PUC residential customers is 308 kWh's.

Comparing PUC's total bill impacts (previous Board Approved rates vs. proposed rates) of a customer at PUC's 10th consumption percentile, the total bill decreases by 1.08% for residential RPP customers as shown below.

Customer Class: RESIDENTIAL SERVICE CLASSIFICATION								
RPP / Non-RPP: RPP								
Consumption	308	kWh						
Demand	-	kW						
Current Loss Factor	1.0489							
Proposed/Approved Loss Factor	1.0489							

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 13.23	1	\$ 13.23	\$ 16.82	1	\$ 16.82	\$ 3.59	27.14%
Distribution Volumetric Rate	\$ 0.0137	308	\$ 4.22	\$ 0.0105	308	\$ 3.23	\$ (0.99)	-23.36%
Fixed Rate Riders	\$ 0.05	1	\$ 0.05	\$ 0.05	1	\$ 0.05	\$ -	0.00%
Volumetric Rate Riders	\$ -	308	\$ -	\$ 0.0001	308	\$ (0.03)	\$ (0.03)	
Sub-Total A (excluding pass through)			\$ 17.50			\$ 20.07	\$ 2.57	14.71%
Line Losses on Cost of Power	\$ 0.1114	15	\$ 1.68	\$ 0.1114	15	\$ 1.68	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0002	308	\$ 0.06	\$ 0.0100	308	\$ (3.08)	\$ (3.14)	-5100.00%
GA Rate Riders				\$ -	308	\$ -	\$ -	
Low Voltage Service Charge	\$ -	308	\$ -		308	\$ -	\$ -	
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)			\$ 20.03			\$ 19.46	\$ (0.57)	-2.84%
RTSR - Network	\$ 0.0061	323	\$ 1.97	\$ 0.0059	323	\$ 1.91	\$ (0.06)	-3.28%
RTSR - Connection and/or Line and Transformation Connection	\$ -	323	\$ -	\$ -	323	\$ -	\$ -	
Sub-Total C - Delivery (includes Sub-Total B)			\$ 22.00			\$ 21.37	\$ (0.63)	-2.88%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	323	\$ 1.16	\$ 0.0036	323	\$ 1.16	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	323	\$ 0.42	\$ 0.0013	323	\$ 0.42	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	323	\$ 0.36	\$ 0.0011	323	\$ 0.36	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	200	\$ 17.42	\$ 0.0870	200	\$ 17.42	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	52	\$ 6.91	\$ 0.1320	52	\$ 6.91	\$ -	0.00%
TOU - On Peak	\$ 0.1800	55	\$ 9.98	\$ 0.1800	55	\$ 9.98	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 58.50			\$ 57.86	\$ (0.63)	-1.08%
HST	13%		\$ 7.60	13%		\$ 7.52	\$ (0.08)	-1.08%
Total Bill on TOU			\$ 66.10			\$ 65.39	\$ (0.71)	-1.08%

10. Incremental Capital Module

The Incremental Capital Module is intended to address the treatment of capital investment needs that arise during the rate-setting plan which are incremental to the materiality threshold and are non-discretionary in nature. PUC is not applying for an incremental capital amount in this application.

11. Conservation and Demand Management Costs for Distributors

PUC's CDM programs are funded through the OPA and therefore are not included in the distribution rates.

EXHIBIT 1

2017 Proposed Tariff of Rates and Charges

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2016-0102

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a single family unit, non-commercial. This can be a separately metered living accommodation, town house, apartment, semi-detached, duplex, triplex or quadruplex with residential zoning. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.82
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Application of Tax Change (2017) - effective until April 30, 2018	\$	0.05
Distribution Volumetric Rate	\$/kWh	0.0105
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0008
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017)		
- effective until April 30, 2018	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0100)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059

MONTHLY RATES AND CHARGES - Regulatory Component

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

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2016-0102

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

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

APPLICATION

The application of the charges are in accordance with the Distribution System Code (Section 9) and subsection 79.2(4) of the Ontario Energy Board Act, 1998.

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

In this class:

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

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

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

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

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

MONTHLY RATES AND CHARGES

Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
 - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
 - (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons; and
 - (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;
- but does not include account-holders in Class E.

OESP Credit	\$	(30.00)
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Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
 - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
 - (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;
- but does not include account-holders in Class F.

OESP Credit	\$	(34.00)
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Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
 - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
 - (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;
- but does not include account-holders in Class G.

OESP Credit	\$	(38.00)
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Class D

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

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2016-0102

OESP Credit	\$	(42.00)
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Class E

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

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

OESP Credit	\$	(45.00)
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Class F

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

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

OESP Credit	\$	(50.00)
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Class G

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

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

OESP Credit	\$	(55.00)
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Class H

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

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

OESP Credit	\$	(60.00)
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Class I

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

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

OESP Credit	\$	(75.00)
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PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2016-0102

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	17.15
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0205
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018 Applicable only for Non-RPP Customers	\$/kWh	0.0008
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017) - effective until April 30, 2018	\$/kWh	0.0019
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0100)
Rate Rider for Application of Tax Change (2017) - effective until April 30, 2018	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055

MONTHLY RATES AND CHARGES - Regulatory Component

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

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
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EB-2016-0102

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly peak demand used for billing purposes over the past 12 months is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	114.68
Distribution Volumetric Rate	\$/kW	5.4479
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018 Applicable only for Non-RPP Customers	\$/kWh	0.0008
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017) - effective until April 30, 2018	\$/kW	0.0679
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(3.5879)
Rate Rider for Application of Tax Change (2017) - effective until April 30, 2018	\$/kW	0.0101
Retail Transmission Rate - Network Service Rate	\$/kW	2.2455
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.8240

MONTHLY RATES AND CHARGES - Regulatory Component

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

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
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EB-2016-0102

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly 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, etc. The customer will provide detailed manufacturer 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	12.72
Distribution Volumetric Rate	\$/kWh	0.0311
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017) - effective until April 30, 2018	\$/kWh	(0.0012)
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0100)
Rate Rider for Application of Tax Change (2017) - effective until April 30, 2018	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055

MONTHLY RATES AND CHARGES - Regulatory Component

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

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
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EB-2016-0102

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification applies to safety/security lighting with a Residential or General Service customer. This is typically exterior lighting, and unmetered. Consumption is estimated based on the equipment rating and estimated hours of use. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.94
Distribution Volumetric Rate	\$/kW	27.4090
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017) - effective until April 30, 2018	\$/kW	(1.0749)
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(3.1351)
Rate Rider for Application of Tax Change (2017) - effective until April 30, 2018	\$/kW	0.0793
Retail Transmission Rate - Network Service Rate	\$/kW	1.7021

MONTHLY RATES AND CHARGES - Regulatory Component

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

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
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EB-2016-0102

STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.95
Distribution Volumetric Rate	\$/kW	19.2114
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018 Applicable only for Non-RPP Customers	\$/kWh	0.0008
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017) - effective until April 30, 2018	\$/kW	(0.6973)
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(3.3530)
Rate Rider for Application of Tax Change (2017) - effective until April 30, 2018	\$/kW	0.0620
Retail Transmission Rate - Network Service Rate	\$/kW	1.6935

MONTHLY RATES AND CHARGES - Regulatory Component

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

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
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EB-2016-0102

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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EB-2016-0102

ALLOWANCES

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

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
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EB-2016-0102

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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

Customer Administration

Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Returned cheque (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/reconnect charge - at meter - during regular hours	\$	65.00
Disconnect/reconnect charge - at meter - after hours	\$	185.00
Disconnect/reconnect charge - at pole - during regular hours	\$	185.00
Disconnect/reconnect charge - at pole - after hours	\$	415.00
Install/remove load control device - during regular hours	\$	65.00
Install/remove load control device - after regular hours	\$	185.00

Other

Special meter reads	\$	30.00
Service call - customer-owned equipment		Time & Materials
Service call - after regular hours		Time & Materials
Temporary service - install & remove - overhead - no transformer		Time & Materials
Temporary service - install & remove - underground - no transformer		Time & Materials
Temporary service - install & remove - overhead - with transformer		Time & Materials
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35
Removal of overhead lines - during regular hours		Time & Materials
Removal of overhead lines - after hours		Time & Materials
Roadway escort - after regular hours		Time & Materials

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
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EB-2016-0102

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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

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

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

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
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EB-2016-0102

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	1.0489
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0385

EXHIBIT 2

Current Tariff of Rates and Charges



Incentive Regulation Model for 2017 File

PUC Distribution Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2016

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

EB-2015-0098

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a single family unit, non-commercial. This can be a separately metered living accommodation, town house, apartment, semi-detached, duplex, triplex or quadruplex with residential zoning. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	13.23
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Application of Tax Change (2016) – effective until April 30, 2017	\$	0.05
Distribution Volumetric Rate	\$/kWh	0.0137
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until April 30, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0054
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0061

MONTHLY RATES AND CHARGES - Regulatory Component

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



Incentive Regulation Model for 2017 File

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

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

APPLICATION

The application of the charges are in accordance with the Distribution System Code (Section 9) and subsection 79.2(4) of the Ontario Energy Board Act, 1998.

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

In this class:

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

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

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

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

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

MONTHLY RATES AND CHARGES

Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons; and
- (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons; but does not include account-holders in Class E.

OESP Credit	\$	(30.00)
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Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons; but does not include account-holders in Class F.

OESP Credit	\$	(34.00)
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Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons; but does not include account-holders in Class G.

OESP Credit	\$	(38.00)
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Class D

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

OESP Credit	\$	(42.00)
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Incentive Regulation Model for 2017 File

Class E

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

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

OESP Credit \$ (45.00)

Class F

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

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

OESP Credit \$ (50.00)

Class G

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

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

OESP Credit \$ (55.00)

Class H

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

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

OESP Credit \$ (60.00)

Class I

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

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

OESP Credit \$ (75.00)



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GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.87
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0202
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until April 30, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0054
Rate Rider for Application of Tax Change (2016) – effective until April 30, 2017	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057

MONTHLY RATES AND CHARGES - Regulatory Component

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



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GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly peak demand used for billing purposes over the past 12 months is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	112.82
Distribution Volumetric Rate	\$/kW	5.3595
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kW	0.0609
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until April 30, 2017 Applicable only for Non-RPP Customers	\$/kW	2.2763
Rate Rider for Application of Tax Change (2016) – effective until April 30, 2017	\$/kW	0.0113
Retail Transmission Rate - Network Service Rate	\$/kW	2.3384
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.9408

MONTHLY RATES AND CHARGES - Regulatory Component

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



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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly 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, etc. The customer will provide detailed manufacturer 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	12.51
Distribution Volumetric Rate	\$/kWh	0.0306
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kWh	0.0002
Rate Rider for Application of Tax Change (2016) – effective until April 30, 2017	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057

MONTHLY RATES AND CHARGES - Regulatory Component

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



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SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification applies to safety/security lighting with a Residential or General Service customer. This is typically exterior lighting, and unmetered. Consumption is estimated based on the equipment rating and estimated hours of use. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.89
Distribution Volumetric Rate	\$/kW	26.9641
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kWh	0.0002
Rate Rider for Application of Tax Change (2016) – effective until April 30, 2017	\$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	\$/kW	1.7725

MONTHLY RATES AND CHARGES - Regulatory Component

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



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STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.90
Distribution Volumetric Rate	\$/kW	18.8996
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2017	\$/kW	0.0798
Rate Rider for Disposition of Global Adjustment Account (2016) - effective until April 30, 2017 Applicable only for Non-RPP Customers	\$/kW	1.9359
Rate Rider for Application of Tax Change (2016) – effective until April 30, 2017	\$/kW	0.0618
Retail Transmission Rate - Network Service Rate	\$/kW	1.7635

MONTHLY RATES AND CHARGES - Regulatory Component

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



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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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ALLOWANCES

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

SPECIFIC SERVICE CHARGES

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

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

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

Customer Administration

Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Returned cheque (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/reconnect charge - at meter - during regular hours	\$	65.00
Disconnect/reconnect charge - at meter - after hours	\$	185.00
Disconnect/reconnect charge - at pole - during regular hours	\$	185.00
Disconnect/reconnect charge - at pole - after hours	\$	415.00
Install/remove load control device - during regular hours	\$	65.00
Install/remove load control device - after regular hours	\$	185.00

Other

Special meter reads	\$	30.00
Service call - customer-owned equipment		Time & Materials
Service call - after regular hours		Time & Materials
Temporary service - install & remove - overhead - no transformer		Time & Materials
Temporary service - install & remove - underground - no transformer		Time & Materials
Temporary service - install & remove - overhead - with transformer		Time & Materials
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35
Removal of overhead lines - during regular hours		Time & Materials
Removal of overhead lines - after hours		Time & Materials
Roadway escort - after regular hours		Time & Materials



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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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

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

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

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0489
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0385

EXHIBIT 3

Bill Impacts

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0489	
Proposed/Approved Loss Factor	1.0489	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 13.23	1	\$ 13.23	\$ 16.82	1	\$ 16.82	\$ 3.59	27.14%
Distribution Volumetric Rate	\$ 0.0137	750	\$ 10.28	\$ 0.0105	750	\$ 7.88	\$ (2.40)	-23.36%
Fixed Rate Riders	\$ 0.05	1	\$ 0.05	\$ 0.05	1	\$ 0.05	\$ -	0.00%
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ (0.08)	\$ (0.08)	
Sub-Total A (excluding pass through)			\$ 23.56			\$ 24.67	\$ 1.12	4.73%
Line Losses on Cost of Power	\$ 0.1114	37	\$ 4.09	\$ 0.1114	37	\$ 4.09	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0002	750	\$ 0.15	\$ 0.0100	750	\$ (7.50)	\$ (7.65)	-5100.00%
GA Rate Riders				\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ -	750	\$ -		750	\$ -	\$ -	
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)			\$ 28.58			\$ 22.05	\$ (6.54)	-22.87%
RTSR - Network	\$ 0.0061	787	\$ 4.80	\$ 0.0059	787	\$ 4.64	\$ (0.16)	-3.28%
RTSR - Connection and/or Line and Transformation Connection	\$ -	787	\$ -	\$ -	787	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 33.38			\$ 26.69	\$ (6.69)	-20.05%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	787	\$ 2.83	\$ 0.0036	787	\$ 2.83	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	787	\$ 1.02	\$ 0.0013	787	\$ 1.02	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	787	\$ 0.87	\$ 0.0011	787	\$ 0.87	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	488	\$ 42.41	\$ 0.0870	488	\$ 42.41	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	128	\$ 16.83	\$ 0.1320	128	\$ 16.83	\$ -	0.00%
TOU - On Peak	\$ 0.1800	135	\$ 24.30	\$ 0.1800	135	\$ 24.30	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 121.89			\$ 115.20	\$ (6.69)	-5.49%
HST	13%		\$ 15.85	13%		\$ 14.98	\$ (0.87)	-5.49%
Total Bill on TOU			\$ 137.74			\$ 130.18	\$ (7.56)	-5.49%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0489	
Proposed/Approved Loss Factor	1.0489	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 13.23	1	\$ 13.23	\$ 16.82	1	\$ 16.82	\$ 3.59	27.14%
Distribution Volumetric Rate	\$ 0.0137	750	\$ 10.28	\$ 0.0105	750	\$ 7.88	\$ (2.40)	-23.36%
Fixed Rate Riders	\$ 0.05	1	\$ 0.05	\$ 0.05	1	\$ 0.05	\$ -	0.00%
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ (0.08)	\$ (0.08)	
Sub-Total A (excluding pass through)			\$ 23.56			\$ 24.67	\$ 1.12	4.73%
Line Losses on Cost of Power	\$ 0.1130	37	\$ 4.14	\$ 0.1130	37	\$ 4.14	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0056	750	\$ 4.20	\$ 0.0100	750	\$ (7.50)	\$ (11.70)	-278.57%
GA Rate Riders				\$ 0.0008	750	\$ 0.60	\$ 0.60	
Low Voltage Service Charge	\$ -	750	\$ -		750	\$ -	\$ -	
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)			\$ 32.69			\$ 22.70	\$ (9.99)	-30.55%
RTSR - Network	\$ 0.0061	787	\$ 4.80	\$ 0.0059	787	\$ 4.64	\$ (0.16)	-3.28%
RTSR - Connection and/or Line and Transformation Connection	\$ -	787	\$ -	\$ -	787	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 37.49			\$ 27.35	\$ (10.14)	-27.05%
Wholesale Market Service Charge (WMS)	\$ 0.0036	787	\$ 2.83	\$ 0.0036	787	\$ 2.83	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	787	\$ 1.02	\$ 0.0013	787	\$ 1.02	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	787	\$ 0.87	\$ 0.0011	787	\$ 0.87	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	750	\$ 84.75	\$ 0.1130	750	\$ 84.75	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 126.96			\$ 116.82	\$ (10.14)	-7.99%
HST	13%		\$ 16.50	13%		\$ 15.19	\$ (1.32)	-7.99%
Total Bill on Non-RPP Avg. Price			\$ 143.46			\$ 132.00	\$ (11.46)	-7.99%

Customer Class:	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0489	
Proposed/Approved Loss Factor	1.0489	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 16.87	1	\$ 16.87	\$ 17.15	1	\$ 17.15	\$ 0.28	1.66%
Distribution Volumetric Rate	\$ 0.0202	2000	\$ 40.40	\$ 0.0205	2000	\$ 41.00	\$ 0.60	1.49%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ 0.0001	2000	\$ 0.20	\$ 0.0020	2000	\$ 4.00	\$ 3.80	1900.00%
Sub-Total A (excluding pass through)			\$ 57.47			\$ 62.15	\$ 4.68	8.14%
Line Losses on Cost of Power	\$ 0.1114	98	\$ 10.89	\$ 0.1114	98	\$ 10.89	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0002	2,000	\$ 0.40	\$ 0.0100	2,000	\$ (20.00)	\$ (20.40)	-5100.00%
GA Rate Riders				\$ -	2,000	\$ -	\$ -	-
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)			\$ 69.55			\$ 53.83	\$ (15.72)	-22.60%
RTSR - Network	\$ 0.0057	2,098	\$ 11.96	\$ 0.0055	2,098	\$ 11.54	\$ (0.42)	-3.51%
RTSR - Connection and/or Line and Transformation Connection	\$ -	2,098	\$ -	\$ -	2,098	\$ -	\$ -	-
Sub-Total C - Delivery (including Sub-Total B)			\$ 81.51			\$ 65.37	\$ (16.14)	-19.80%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,098	\$ 7.55	\$ 0.0036	2,098	\$ 7.55	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,098	\$ 2.73	\$ 0.0013	2,098	\$ 2.73	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	2,098	\$ 2.31	\$ 0.0011	2,098	\$ 2.31	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	1,300	\$ 113.10	\$ 0.0870	1,300	\$ 113.10	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	340	\$ 44.88	\$ 0.1320	340	\$ 44.88	\$ -	0.00%
TOU - On Peak	\$ 0.1800	360	\$ 64.80	\$ 0.1800	360	\$ 64.80	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 331.13			\$ 314.99	\$ (16.14)	-4.87%
HST	13%		\$ 43.05	13%		\$ 40.95	\$ (2.10)	-4.87%
Total Bill on TOU			\$ 374.17			\$ 355.94	\$ (18.24)	-4.87%

Customer Class:	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0489	
Proposed/Approved Loss Factor	1.0489	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 16.87	1	\$ 16.87	\$ 17.15	1	\$ 17.15	\$ 0.28	1.66%
Distribution Volumetric Rate	\$ 0.0202	2000	\$ 40.40	\$ 0.0205	2000	\$ 41.00	\$ 0.60	1.49%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0001	2000	\$ 0.20	\$ 0.0020	2000	\$ 4.00	\$ 3.80	1900.00%
Sub-Total A (excluding pass through)			\$ 57.47			\$ 62.15	\$ 4.68	8.14%
Line Losses on Cost of Power	\$ 0.1130	98	\$ 11.05	\$ 0.1130	98	\$ 11.05	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0056	2,000	\$ 11.20	\$ 0.0100	2,000	\$ (20.00)	\$ (31.20)	-278.57%
GA Rate Riders				\$ 0.0008	2,000	\$ 1.60	\$ 1.60	
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)			\$ 80.51			\$ 55.59	\$ (24.92)	-30.95%
RTSR - Network	\$ 0.0057	2,098	\$ 11.96	\$ 0.0055	2,098	\$ 11.54	\$ (0.42)	-3.51%
RTSR - Connection and/or Line and Transformation Connection	\$ -	2,098	\$ -	\$ -	2,098	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 92.47			\$ 67.13	\$ (25.34)	-27.40%
Wholesale Market Service Charge (WMS)	\$ 0.0036	2,098	\$ 7.55	\$ 0.0036	2,098	\$ 7.55	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,098	\$ 2.73	\$ 0.0013	2,098	\$ 2.73	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	2,098	\$ 2.31	\$ 0.0011	2,098	\$ 2.31	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	2,000	\$ 226.00	\$ 0.1130	2,000	\$ 226.00	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 345.06			\$ 319.72	\$ (25.34)	-7.34%
HST	13%		\$ 44.86	13%		\$ 41.56	\$ (3.29)	-7.34%
Total Bill on Non-RPP Avg. Price			\$ 389.91			\$ 361.28	\$ (28.63)	-7.34%

Customer Class:	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	52,195	kWh
Demand	130	kW
Current Loss Factor	1.0489	
Proposed/Approved Loss Factor	1.0489	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 112.82	1	\$ 112.82	\$ 114.68	1	\$ 114.68	\$ 1.86	1.65%
Distribution Volumetric Rate	\$ 5.3595	130	\$ 696.74	\$ 5.4479	130	\$ 708.23	\$ 11.49	1.65%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0113	130	\$ 1.47	\$ 0.0780	130	\$ 10.14	\$ 8.67	590.27%
Sub-Total A (excluding pass through)			\$ 811.02			\$ 833.05	\$ 22.02	2.72%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 2.3372	130	\$ 303.84	\$ 3.5879	130	\$ (466.43)	\$ (770.26)	-253.51%
GA Rate Riders				\$ 0.0008	52,195	\$ 41.76	\$ 41.76	
Low Voltage Service Charge	\$ -	130	\$ -		130	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 1,114.86			\$ 408.38	\$ (706.48)	-63.37%
RTSR - Network	\$ 2.3384	130	\$ 303.99	\$ 2.2455	130	\$ 291.92	\$ (12.08)	-3.97%
RTSR - Connection and/or Line and Transformation Connection	\$ -	130	\$ -	\$ -	130	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,418.85			\$ 700.29	\$ (718.56)	-50.64%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	54,747	\$ 197.09	\$ 0.0036	54,747	\$ 197.09	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	54,747	\$ 71.17	\$ 0.0013	54,747	\$ 71.17	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	52,195	\$ 365.37	\$ 0.0070	52,195	\$ 365.37	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	54,747	\$ 60.22	\$ 0.0011	54,747	\$ 60.22	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	54,747	\$ 6,186.45	\$ 0.1130	54,747	\$ 6,186.45	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 8,299.15			\$ 7,580.59	\$ (718.56)	-8.66%
HST	13%		\$ 1,078.89	13%		\$ 985.48	\$ (93.41)	-8.66%
Total Bill on Average IESO Wholesale Market Price			\$ 9,378.04			\$ 8,566.07	\$ (811.97)	-8.66%

Customer Class:	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	52,195	kWh
Demand	130	kW
Current Loss Factor	1.0489	
Proposed/Approved Loss Factor	1.0489	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 112.82	1	\$ 112.82	\$ 114.68	1	\$ 114.68	\$ 1.86	1.65%
Distribution Volumetric Rate	\$ 5.3595	130	\$ 696.74	\$ 5.4479	130	\$ 708.23	\$ 11.49	1.65%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0113	130	\$ 1.47	\$ 0.0780	130	\$ 10.14	\$ 8.67	590.27%
Sub-Total A (excluding pass through)			\$ 811.02			\$ 833.05	\$ 22.02	2.72%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 2.3372	130	\$ 303.84	\$ 3.5879	130	\$ (466.43)	\$ (770.26)	-253.51%
GA Rate Riders				\$ 0.0008	52,195	\$ 41.76	\$ 41.76	
Low Voltage Service Charge	\$ -	130	\$ -		130	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 1,114.86			\$ 408.38	\$ (706.48)	-63.37%
RTSR - Network	\$ 2.9408	130	\$ 382.30	\$ 2.8240	130	\$ 367.12	\$ (15.18)	-3.97%
RTSR - Connection and/or Line and Transformation Connection	\$ -	130	\$ -	\$ -	130	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,497.16			\$ 775.50	\$ (721.67)	-48.20%
Wholesale Market Service Charge (WMS)	\$ 0.0036	54,747	\$ 197.09	\$ 0.0036	54,747	\$ 197.09	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	54,747	\$ 71.17	\$ 0.0013	54,747	\$ 71.17	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	52,195	\$ 365.37	\$ 0.0070	52,195	\$ 365.37	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	54,747	\$ 60.22	\$ 0.0011	54,747	\$ 60.22	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	54,747	\$ 6,186.45	\$ 0.1130	54,747	\$ 6,186.45	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 8,377.46			\$ 7,655.79	\$ (721.67)	-8.61%
HST	13%		\$ 1,089.07	13%		\$ 995.25	\$ (93.82)	-8.61%
Total Bill on Average IESO Wholesale Market Price			\$ 9,466.53			\$ 8,651.05	\$ (815.48)	-8.61%

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	3,450	kWh
Demand	-	kW
Current Loss Factor	1.0489	
Proposed/Approved Loss Factor	1.0489	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 12.51		\$ -	\$ 12.72	0	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0306	3450	\$ 105.57	\$ 0.0311	3450	\$ 107.30	\$ 1.73	1.63%
Fixed Rate Riders	\$ -		\$ -	\$ -	0	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0001	3450	\$ 0.35	\$ 0.0011	3450	\$ (3.80)	\$ (4.14)	-1200.00%
Sub-Total A (excluding pass through)			\$ 105.92			\$ 103.50	\$ (2.41)	-2.28%
Line Losses on Cost of Power	\$ 0.1130	169	\$ 19.06	\$ 0.1130	169	\$ 19.06	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0002	3,450	\$ 0.69	\$ 0.0100	3,450	\$ (34.50)	\$ (35.19)	-5100.00%
GA Rate Riders				\$ -	3,450	\$ -	\$ -	
Low Voltage Service Charge	\$ -	3,450	\$ -		3,450	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 125.67			\$ 88.06	\$ (37.61)	-29.92%
RTSR - Network	\$ 0.0057	3,619	\$ 20.63	\$ 0.0055	3,619	\$ 19.90	\$ (0.72)	-3.51%
RTSR - Connection and/or Line and Transformation Connection	\$ -	3,619	\$ -	\$ -	3,619	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 146.30			\$ 107.97	\$ (38.33)	-26.20%
Wholesale Market Service Charge (WMS)	\$ 0.0036	3,619	\$ 13.03	\$ 0.0036	3,619	\$ 13.03	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	3,619	\$ 4.70	\$ 0.0013	3,619	\$ 4.70	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	3,450	\$ 24.15	\$ 0.0070	3,450	\$ 24.15	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	3,619	\$ 3.98	\$ 0.0011	3,619	\$ 3.98	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	3,450	\$ 389.85	\$ 0.1130	3,450	\$ 389.85	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 582.01			\$ 543.68	\$ (38.33)	-6.59%
HST	13%		\$ 75.66	13%		\$ 70.68	\$ (4.98)	-6.59%
Total Bill on Average IESO Wholesale Market Price			\$ 657.67			\$ 614.36	\$ (43.31)	-6.59%

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	55	kWh
Demand	-	kW
Current Loss Factor	1.0489	
Proposed/Approved Loss Factor	1.0489	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 2.89		\$ -	\$ 2.94	0	\$ -	\$ -	
Distribution Volumetric Rate	\$ 26.9641	55	\$ 1,483.03	\$ 27.4090	55	\$ 1,507.50	\$ 24.47	1.65%
Fixed Rate Riders	\$ -		\$ -	\$ -	0	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0002	55	\$ 0.01	\$ 0.9956	55	\$ (54.76)	\$ (54.77)	-497900.00%
Sub-Total A (excluding pass through)			\$ 1,483.04			\$ 1,452.74	\$ (30.30)	-2.04%
Line Losses on Cost of Power	\$ 0.1130	3	\$ 0.30	\$ 0.1130	3	\$ 0.30	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0002	55	\$ 0.01	\$ 3.1351	55	\$ (172.43)	\$ (172.44)	-1567650.00%
GA Rate Riders				\$ -	55	\$ -	\$ -	
Low Voltage Service Charge	\$ -	55	\$ -		55	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 1,483.35			\$ 1,280.61	\$ (202.74)	-13.67%
RTSR - Network	\$ 1.7725	58	\$ 102.25	\$ 1.7021	58	\$ 98.19	\$ (4.06)	-3.97%
RTSR - Connection and/or Line and Transformation Connection	\$ -	58	\$ -	\$ -	58	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,585.61			\$ 1,378.80	\$ (206.80)	-13.04%
Wholesale Market Service Charge (WMS)	\$ 0.0036	58	\$ 0.21	\$ 0.0036	58	\$ 0.21	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	58	\$ 0.07	\$ 0.0013	58	\$ 0.07	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	55	\$ 0.39	\$ 0.0070	55	\$ 0.39	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	58	\$ 0.06	\$ 0.0011	58	\$ 0.06	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	55	\$ 6.22	\$ 0.1130	55	\$ 6.22	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 1,592.55			\$ 1,385.75	\$ (206.80)	-12.99%
HST	13%		\$ 207.03	13%		\$ 180.15	\$ (26.88)	-12.99%
Total Bill on Average IESO Wholesale Market Price			\$ 1,799.58			\$ 1,565.90	\$ (233.69)	-12.99%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	363,540	kWh
Demand	1,825	kW
Current Loss Factor	1.0489	
Proposed/Approved Loss Factor	1.0489	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 2.90		\$ -	\$ 2.95	0	\$ -	\$ -	
Distribution Volumetric Rate	\$ 18.8996	1825	\$ 34,491.77	\$ 19.2114	1825	\$ 35,060.81	\$ 569.04	1.65%
Fixed Rate Riders	\$ -		\$ -	\$ -	0	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0618	1825	\$ 112.79	\$ 0.6353	1825	\$ (1,159.42)	\$ (1,272.21)	-1127.99%
Sub-Total A (excluding pass through)			\$ 34,604.56			\$ 33,901.38	\$ (703.17)	-2.03%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 2.0157	1,825	\$ 3,678.65	\$ 3.3530	1,825	\$ (6,119.23)	\$ (9,797.88)	-266.34%
GA Rate Riders				\$ 0.0008	363,540	\$ 290.83	\$ 290.83	
Low Voltage Service Charge	\$ -	1,825	\$ -		1,825	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 38,283.21			\$ 28,072.99	\$ (10,210.22)	-26.67%
RTSR - Network	\$ 1.7635	1,825	\$ 3,218.39	\$ 1.6935	1,825	\$ 3,090.64	\$ (127.75)	-3.97%
RTSR - Connection and/or Line and Transformation Connection	\$ -	1,825	\$ -	\$ -	1,825	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 41,501.60			\$ 31,163.63	\$ (10,337.97)	-24.91%
Wholesale Market Service Charge (WMSA)	\$ 0.0036	381,317	\$ 1,372.74	\$ 0.0036	381,317	\$ 1,372.74	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	381,317	\$ 495.71	\$ 0.0013	381,317	\$ 495.71	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	363,540	\$ 2,544.78	\$ 0.0070	363,540	\$ 2,544.78	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	381,317	\$ 419.45	\$ 0.0011	381,317	\$ 419.45	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	381,317	\$ 43,088.83	\$ 0.1130	381,317	\$ 43,088.83	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 89,423.11			\$ 79,085.14	\$ (10,337.97)	-11.56%
HST	13%		\$ 11,625.00	13%		\$ 10,281.07	\$ (1,343.94)	-11.56%
Total Bill on Average IESO Wholesale Market Price			\$ 101,048.11			\$ 89,366.21	\$ (11,681.90)	-11.56%

EXHIBIT 4

2016 PUC Rate Generator Model



Incentive Regulation Model for 2017 Filers

Version

1.3

Utility Name PUC Distribution Inc.

Assigned EB Number EB-2016-0102

Name of Contact and Title Andrew Belsito, Rates and Regulatory Affairs Officer

Phone Number 705-759-3009

Email Address andrew.belsito@ssmpuc.com

We are applying for rates effective Monday, May 01, 2017

Rate-Setting Method Price Cap IR

Please indicate in which Rate Year the Group 1 accounts were last cleared¹ 2016

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.

☐ Pale grey cell represent auto-populated RRR data

☐ 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.

Incentive Regulation Model for 2017 Filers

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

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

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

Please refer to the footnotes for further instructions.

		2010									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2010	Transactions ² Debit/ (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments ¹ during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments ¹ during 2010	Closing Interest Amounts as of Dec 31, 2010
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580	(2,133,858)	(738,694)	(1,909,524)		(963,028)	(130,093)	(9,793)	99,195		(239,081)
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584	(212,431)	272,005	(359,980)		419,554	(61,506)	2,127	(22,542)		(36,837)
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588	(1,091,300)	(187,251)	(31,004)		(1,247,547)	(148,963)	(19,332)	(5,610)		(162,686)
RSVA - Global Adjustment	1589	1,099,406	(250,044)	560,727		288,635	31,065	7,367	34,277		4,156
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁴	1595	(1,689,967)	745,219			(944,748)	146,093	(8,424)			137,669
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2014) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2015) ⁴	1595					0					0
Not to be disposed of unless rate rider has expired and balance has been audited	1595					0					0
RSVA - Global Adjustment	1589	1,099,406	(250,044)	560,727	0	288,635	31,065	7,367	34,277	0	4,156
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(5,127,556)	91,279	(2,300,508)	0	(2,735,769)	(194,469)	(35,422)	71,043	0	(300,934)
Total Group 1 Balance		(4,028,150)	(158,765)	(1,739,781)	0	(2,447,134)	(163,404)	(28,055)	105,320	0	(296,779)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568										
Total including Account 1568		(4,028,150)	(158,765)	(1,739,781)	0	(2,447,134)	(163,404)	(28,055)	105,320	0	(296,779)

2011										2012				
Opening Principal Amounts as of Jan 1, 2011	Transactions ² Debit/ (Credit) during 2011	OEB-Approved Disposition during 2011	Principal Adjustments ¹ during 2011	Closing Principal Balance as of Dec 31, 2011	Opening Interest Amounts as of Jan 1, 2011	Interest Jan 1 to Dec 31, 2011	OEB-Approved Disposition during 2011	Interest Adjustments ¹ during 2011	Closing Interest Amounts as of Dec 31, 2011	Opening Principal Amounts as of Jan 1, 2012	Transactions ² Debit/ (Credit) during 2012	OEB-Approved Disposition during 2012	Principal Adjustments ¹ during 2012	Closing Principal Balance as of Dec 31, 2012
0				0	0				0	0				0
0				0	0				0	0				0
(963,028)	(1,003,762)	(224,334)		(1,742,456)	(239,081)	(19,871)	(231,563)		(27,389)	(1,742,456)	(1,310,114)	(746,214)		(2,306,356)
0				0	0				0	0				0
0				0	0				0	0				0
419,554	(182,276)	147,549		89,729	(36,837)	5,741	(37,468)		6,372	89,729	(285,902)	272,636		(468,809)
0				0	0				0	0				0
(1,247,547)	(1,430,318)	(1,060,296)		(1,617,569)	(162,686)	(39,465)	(154,036)		(48,115)	(1,617,569)	(318,550)	(195,832)		(1,740,287)
288,635	394,444	538,679		144,400	4,156	14,007	2,250		15,913	144,400	(69,206)	(248,139)		323,333
0				0	0				0	0				0
(944,748)	723,746			(221,002)	137,669	(5,773)			131,896	(221,002)				(221,002)
0	542,644	1,020,945		(478,301)	0	(2,585)			(2,585)	(478,301)	441,467			(36,834)
0				0	0				0	0	469,784	875,129		(405,345)
0				0	0				0	0				0
0				0	0				0	0				0
0				0	0				0	0				0
288,635	394,444	538,679	0	144,400	4,156	14,007	2,250	0	15,913	144,400	(69,206)	(248,139)	0	323,333
(2,735,769)	(1,349,966)	(116,136)	0	(3,969,599)	(300,934)	(61,953)	(423,067)	0	60,180	(3,969,599)	(1,003,315)	205,719	0	(5,178,633)
(2,447,134)	(955,522)	422,543	0	(3,825,199)	(296,779)	(47,946)	(420,817)	0	76,092	(3,825,199)	(1,072,521)	(42,420)	0	(4,855,300)
				0					0	0				0
(2,447,134)	(955,522)	422,543	0	(3,825,199)	(296,779)	(47,946)	(420,817)	0	76,092	(3,825,199)	(1,072,521)	(42,420)	0	(4,855,300)

					2013									
Opening Interest Amounts as of Jan 1, 2012	Interest Jan 1 to Dec 31, 2012	OEB-Approved Disposition during 2012	Interest Adjustments ¹ during 2012	Closing Interest Amounts as of Dec 31, 2012	Opening Principal Amounts as of Jan 1, 2013	Transactions ² Debit / (Credit) during 2013	OEB-Approved Disposition during 2013	Principal Adjustments ¹ during 2013	Closing Principal Balance as of Dec 31, 2013	Opening Interest Amounts as of Jan 1, 2013	Interest Jan 1 to Dec 31, 2013	OEB-Approved Disposition during 2013	Interest Adjustments ¹ during 2013	Closing Interest Amounts as of Dec 31, 2013
0				0	0				0	0				0
0				0	0	23,661			23,661	0	230			230
(27,389)	(28,921)	(14,479)		(41,831)	(2,306,356)	(852,882)	(996,241)		(2,162,997)	(41,831)	(36,134)	(34,877)		(43,088)
0				0	0				0	0				0
0				0	0				0	0				0
6,372	(330)	5,331		711	(468,809)	(399)	(182,906)		(286,302)	711	(4,948)	(3,001)		(1,236)
0				0	0				0	0				0
(48,115)	(38,800)	(3,669)		(83,246)	(1,740,287)	231,227	(1,421,736)		(87,324)	(83,246)	(25,631)	(75,796)		(33,081)
15,913	19,328	(4,901)		40,142	323,333	210,978	392,539		141,772	40,142	23,247	29,468		33,921
0				0	0				0	0				0
131,896	(3,249)			128,647	(221,002)		(221,002)		(0)	128,647	(1,624)	127,023		0
(2,585)	4,161			1,576	(36,834)				(36,834)	1,576	5,654			7,230
0	(6,720)	(2,832)		(3,888)	(405,345)	381,437			(23,908)	(3,888)	(1,790)			(5,678)
0				0	0	1,042,900	2,525,100		(1,482,200)	0	(12,998)	113,087		(126,085)
0				0	0				0	0				0
0				0	0				0	0				0
15,913	19,328	(4,901)	0	40,142	323,333	210,978	392,539	0	141,772	40,142	23,247	29,468	0	33,921
60,180	(73,859)	(15,649)	0	1,970	(5,178,633)	825,944	(296,785)	0	(4,055,904)	1,970	(77,241)	126,436	0	(201,707)
76,092	(54,531)	(20,550)	0	42,111	(4,855,300)	1,036,922	95,754	0	(3,914,132)	42,111	(53,994)	155,904	0	(167,787)
0				0	0	79,055			79,055	0	2,044			2,044
76,092	(54,531)	(20,550)	0	42,111	(4,855,300)	1,115,977	95,754	0	(3,835,078)	42,111	(51,950)	155,904	0	(165,743)

☐ Check to Dispose of Account

2014										2015				
Opening Principal Amounts as of Jan 1, 2014	Transactions ² Debit / (Credit) during 2014	OEB-Approved Disposition during 2014	Principal Adjustments ¹ during 2014	Closing Principal Balance as of Dec 31, 2014	Opening Interest Amounts as of Jan 1, 2014	Interest Jan 1 to Dec 31, 2014	OEB-Approved Disposition during 2014	Interest Adjustments ¹ during 2014	Closing Interest Amounts as of Dec 31, 2014	Opening Principal Amounts as of Jan 1, 2015	Transactions ² Debit / (Credit) during 2015	OEB-Approved Disposition during 2015	Principal Adjustments ¹ during 2015	Closing Principal Balance as of Dec 31, 15
0				0	0				0	0				0
23,661	(643)			23,018	230	640			870	23,018	(124)			22,894
(2,162,997)	1,081,213			(1,081,784)	(43,088)	15,451			(27,637)	(1,081,784)	(1,519,861)			(2,601,645)
0				0	0				0	0				0
0				0	0				0	0				0
(286,302)	595,420			309,118	(1,236)	3,625			2,389	309,118	(77,845)			231,274
0				0	0				0	0				0
(87,324)	1,007,835			920,511	(33,081)	24,591			(8,490)	920,511	(5,012,590)			(4,092,080)
141,772	1,159,476			1,301,248	33,921	2,509			36,430	1,301,248	177,382			1,478,630
0				0	0				0	0				0
(0)				(0)	0				0	(0)				(0)
(36,834)		(36,835)		1	7,230	1,414	1,125	(7,520)	(1)	1				1
(23,908)	352			(23,556)	(5,678)	(350)			(6,028)	(23,556)	(663)			(24,219)
(1,482,200)	1,642,156			159,956	(126,085)	(3,837)			(129,922)	159,956	(9,872)			150,084
0	(1,026,858)			(1,026,858)	0	(54,096)			(54,096)	(1,026,858)	1,026,308			(550)
0				0	0				0	0				0
141,772	1,159,476	0	0	1,301,248	33,921	2,509	0	0	36,430	1,301,248	177,382	0	0	1,478,630
(4,055,904)	3,299,475	(36,835)	0	(719,594)	(201,707)	(12,562)	1,125	(7,520)	(222,914)	(719,594)	(5,594,646)	0	0	(6,314,241)
(3,914,132)	4,458,951	(36,835)	0	581,654	(167,787)	(10,053)	1,125	(7,520)	(186,485)	581,654	(5,417,264)	0	0	(4,835,611)
79,055	(45,276)			33,779	2,044	936			2,980	33,779	(47,147)	0		(13,368)
(3,835,078)	4,413,675	(36,835)	0	615,432	(165,743)	(9,117)	1,125	(7,520)	(183,505)	615,432	(5,464,411)	0	0	(4,848,979)

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

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

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

					2016				Projected Interest on Dec-31-15 Balances				2.1.7 RRR	
Opening Interest Amounts as of Jan 1, 15	Interest Jan 1 to Dec 31, 15	OEB-Approved Disposition during 2015	Interest Adjustments ¹ during 2015	Closing Interest Amounts as of Dec 31, 15	Principal Disposition during 2016 - instructed by OEB	Interest Disposition during 2016 - instructed by OEB	Closing Principal Balances as of Dec 31, 2016 Adjusted for Dispositions during 2016	Closing Interest Balances as of Dec 31, 15 Adjusted for Disposition in 2016	Projected Interest from Jan 1, 2016 to December 31, 2016 on Dec 31 -15 balance adjusted for disposition during 2016 ²	Projected Interest from January 1, 2017 to April 30, 2017 on Dec 31 -15 balance adjusted for disposition during 2016 ³	Total Interest	Total Claim	As of Dec 31-15	Variance RRR vs. 2015 Balance (Principal + Interest)
0				0			0	0	0	0	0	0	0	0
870	(18)			852	23,019	(23,018)	(125)	23,870	(1)	(23,744)	124	(0)	23,748	1
(27,637)	(18,618)			(46,254)	(1,081,784)	(39,638)	(1,519,861)	(6,616)	(16,718)	(24)	(23,359)	(1,543,220)	(2,647,899)	0
0				0			0	0	0	0	<input type="checkbox"/> Check to Dispose of Account (Disabled)	0	0	0
0				0			0	0	0	0	<input type="checkbox"/> Check to Dispose of Account	0	0	0
2,389	4,946			7,335	309,118	5,787	(77,844)	1,548	(856)	6	697	(77,147)	238,601	(7)
0				0			0	0	0	0	0	0	0	0
(8,490)	(6,799)			(15,289)	920,509	1,605	(5,012,589)	(16,894)	(55,138)	(62)	(72,094)	(5,084,683)	(4,107,368)	0
36,430	30,661			67,090	1,301,248	50,876	177,382	16,214	1,951	59	18,225	195,607	1,545,719	(1)
0				0			0	0	0	0	<input type="checkbox"/> Check to Dispose of Account	0	0	0
0				0			(0)	0	(0)	0	(0)	0	0	0
(1)				(1)	1	(1)	0	0	0	0	<input type="checkbox"/> Check to Dispose of Account	0	0	0
(6,028)	(297)			(6,325)	(23,556)	(6,309)	(663)	(16)	(7)	(0)	(24)	0	(30,545)	(0)
(129,922)	1,823			(128,099)	159,957	(128,640)	(9,873)	541	(109)	2	434	0	21,987	2
(54,096)	(3,756)			(57,852)			(550)	(57,852)	(6)	(212)	(58,070)	0	(58,401)	0
0				0			0	0	0	0	0	<input type="checkbox"/> Check to Dispose of Account	0	0
36,430	30,661	0	0	67,090	1,301,248	50,876	177,382	16,214	1,951	59	18,225	195,607	1,545,719	(1)
(222,914)	(22,719)	0	0	(245,633)	307,264	(190,214)	(6,621,505)	(55,419)	(72,837)	(24,035)	(152,291)	(6,705,050)	(6,559,877)	(3)
(186,485)	7,942	0	0	(178,543)	1,608,512	(139,338)	(6,444,123)	(39,205)	(70,885)	(23,976)	(134,066)	(6,509,444)	(5,014,158)	(4)
2,980	34			3,013			(13,368)	3,013	194,671	11	197,695	184,327	(10,355)	(0)
(183,505)	7,976	0	0	(175,530)	1,608,512	(139,338)	(6,457,491)	(36,192)	123,785	(23,965)	63,629	(6,325,116)	(5,024,513)	(5)



Ontario Energy Board

Incentive Regulation Model for 2017 Filers

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

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

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

YES

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers	Metered kW for Non-RPP Customers	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption (if applicable)	Total Metered kW less WMP consumption (if applicable)	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes ³
RESIDENTIAL SERVICE CLASSIFICATION	kWh	310,458,240	0	18,273,603	0			310,458,240	0	-\$30,062	29,595
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	95,701,162	134,817	14,769,266	21,658			95,701,162	134,817	\$183,177	3,416
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	254,784,565	711,314	207,113,348	550,005			254,784,565	711,314	\$48,291	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	912,709	0	0	0			912,709	0	-\$1,073	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	235,238	752	0	0			235,238	752	-\$808	
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,295,612	21,795	7,116,351	21,291			7,295,612	21,795	-\$15,198	
Total		669,387,527	868,677	247,272,568	592,954	0	0	669,387,527	868,677	\$184,327	33,011

Threshold Test

Total Claim (including Account 1568)	(\$6,325,116)
Total Claim for Threshold Test (All Group 1 Accounts)	(\$6,509,444)
Threshold Test (Total claim per kWh) ²	(\$0.0097)

1568 Account Balance from Continuity Schedule	\$184,327
Total Balance of Account 1568 in Column R DOES NOT MATCH the amount entered on the Continuity Schedule	

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

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

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



Incentive Regulation Model for 2017 Filers

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

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Total non-RPP kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	allocated based on Total less WMP			allocated based on Total less WMP			
					1550	1551	1580	1584	1586	1588	1568
RESIDENTIAL SERVICE CLASSIFICATION	46.4%	7.4%	89.7%	46.4%	0	(0)	(715,737)	(35,780)	0	(2,358,248)	(30,062)
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	14.3%	6.0%	10.3%	14.3%	0	(0)	(220,631)	(11,030)	0	(726,948)	183,177
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	38.1%	83.8%	0.0%	38.1%	0	0	(587,386)	(29,364)	0	(1,935,349)	48,291
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.1%	0.0%	0.0%	0.1%	0	0	(2,104)	(105)	0	(6,933)	(1,073)
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0.0%	0	0	(542)	(27)	0	(1,787)	(808)
STREET LIGHTING SERVICE CLASSIFICATION	1.1%	2.9%	0.0%	1.1%	0	0	(16,819)	(841)	0	(55,418)	(15,198)
Total	100.0%	100.0%	100.0%	100.0%	0	(0)	(1,543,220)	(77,147)	0	(5,084,683)	184,327

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



Ontario Energy Board

Incentive Regulation Model for 2017 Filers

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

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

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

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

		Total Metered Non-RPP consumption minus WMP	Total Metered Class A Consumption in 2015 (partial and/or full year Class A customers)*	Metered Consumption for Current Class B Customers (Non-RPP consumption LESS WMP, Class A and new Class A's former Class B consumption if applicable)	% of total kWh	Total GA \$ allocated to Current Class B Customers	GA Rate Rider	
		kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	18,273,603	0	18,273,603	7.4%	\$14,455	\$0.0008	kWh
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	14,769,266	0	14,769,266	6.0%	\$11,683	\$0.0008	kWh
GENERAL SERVICE 50 TO 4,999 kW SERVICE CLASSIFICATION	kWh	207,113,348	0	207,113,348	83.8%	\$163,838	\$0.0008	kWh
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	0	0	0	0.0%	\$0	\$0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	0	0	0	0.0%	\$0	\$0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kWh	7,116,351	0	7,116,351	2.9%	\$5,629	\$0.0008	kWh
Total		247,272,568	0	247,272,568	100.0%	\$195,607		

Incentive Regulation Model for 2017 Filers

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

Default Rate Rider Recovery Period (in months)

12

Proposed Rate Rider Recovery Period (in months)

12

Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes ²	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) ²	Deferral/Variance Account Rate Rider ²	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) ²	Account 1568 Rate Rider	Revenue Reconciliation ¹
RESIDENTIAL SERVICE CLASSIFICATION	kWh	310,458,240	0	310,458,240	0	(3,109,765)		(0.0100)		(0.0001)	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	95,701,162	134,817	95,701,162	134,817	(958,609)		(0.0100)		0.0019	
GENERAL SERVICE 50 TO 4,999 kW SERVICE CLASSIFICATION	kW	254,784,565	711,314	254,784,565	711,314	(2,552,099)		(3.5879)		0.0679	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	912,709	0	912,709	0	(9,142)		(0.0100)		(0.0012)	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	235,238	752	235,238	752	(2,356)		(3.1351)		(1.0749)	
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,295,612	21,795	7,295,612	21,795	(73,078)		(3.3530)		(0.6973)	
											(6,705,050.28)



Incentive Regulation Model for 2017 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	2017
Taxable Capital (if you are not claiming capital tax, please enter your OEB-Approved Rate Base)	\$ 90,511,645	\$ 90,511,645
Deduction from taxable capital up to \$15,000,000		\$ -
Net Taxable Capital	\$ 90,511,645	\$ 90,511,645
Rate		0.00%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -

2. Tax Related Amounts Forecast from Income Tax Rate Changes

Regulatory Taxable Income	\$ 861,643	\$ 861,643
Corporate Tax Rate	22.44%	26.500%
Tax Impact	\$ 19,335	\$ 228,335
Grossed-up Tax Amount	\$ 249,266	\$ 310,660
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 249,266	\$ 310,660
Total Tax Related Amounts	\$ 249,266	\$ 310,660
Incremental Tax Savings		\$ 61,394
Sharing of Tax Amount (50%)		\$ 30,697

Incentive Regulation Model for 2017 Filers

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

Rate Class		Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Re-based Service Charge D	Re-based Distribution Volumetric Rate kWh E	Re-based Distribution Volumetric Rate kW F	Service Charge Revenue G = A * D * 12	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Revenue Requirement from Rates J = G + H + I	Service Charge % Revenue K = G / J	Distribution Volumetric Rate % Revenue L = H / J	Distribution Volumetric Rate % Revenue M = I / J	Total % Revenue N = J / R
RESIDENTIAL SERVICE CLASSIFICATION	kWh	29,271	340,561,450		9.66	0.0167	0.0000	3,393,094	5,687,376	0	9,080,471	37.4%	62.6%	0.0%	55.5%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	3,401	102,179,766		16.45	0.0197	0.0000	671,357	2,012,941	0	2,684,299	25.0%	75.0%	0.0%	16.4%
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	399	251,632,820	628,286	110.00	0.0000	5.2254	526,680	0	3,283,046	3,809,726	13.8%	0.0%	86.2%	23.3%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	21	872,889		12.20	0.0299	0.0000	3,074	26,099	0	29,174	10.5%	89.5%	0.0%	0.2%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	387	254,165	710	2.82	0.0000	26.2894	13,096	0	18,665	31,762	41.2%	0.0%	58.8%	0.2%
STREET LIGHTING SERVICE CLASSIFICATION	kW	8,904	7,907,160	22,680	2.83	0.0000	18.4267	302,380	0	417,918	720,297	42.0%	0.0%	58.0%	4.4%
Total		42,383	703,408,250	651,676				4,909,682	7,726,417	3,719,629	16,355,728				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	310,458,240		17,043	0.05 \$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	95,701,162	134,817	5,038	0.0001 kWh
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	254,784,565	711,314	7,150	0.0101 kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	912,709		55	0.0001 kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	235,238	752	60	0.0793 kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,295,612	21,795	1,352	0.0620 kW
Total		669,387,527	868,677	\$30,697	



Ontario Energy Board

Incentive Regulation Model for 2017 Filers

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

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0061	310,458,240	0	1.0489	325,639,648
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057	95,701,162	134,817	1.0489	100,380,949
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.3384	163,471,731	507,030		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.9408	91,312,834	204,285		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057	912,709	0	1.0489	957,340
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7725	235,238	752		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7635	7,295,612	21,795		

Incentive Regulation Model for 2017 Filers

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

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

If needed, add extra host here. (I)		Unit	2015		2016		2017	
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. (II)		Unit	2015		2016		2017	
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	\$	-		\$	-	\$	-

Low Voltage Switchgear Credit (if applicable, enter as a negative value)		Unit	Historical 2015		Current 2016		Forecast 2017	
	\$							

Incentive Regulation Model for 2017 Filers

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

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

IESO		Network			Line Connection			Transformation Connection			Total Line
Month		Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		135,704	\$3.78	\$ 513,577		\$0.00			\$0.00		\$ -
February		138,336	\$3.78	\$ 523,466		\$0.00			\$0.00		\$ -
March		123,778	\$3.78	\$ 468,316		\$0.00			\$0.00		\$ -
April		94,713	\$3.78	\$ 358,257		\$0.00			\$0.00		\$ -
May		72,336	\$3.78	\$ 273,543		\$0.00			\$0.00		\$ -
June		74,754	\$3.78	\$ 282,823		\$0.00			\$0.00		\$ -
July		70,552	\$3.78	\$ 266,687		\$0.00			\$0.00		\$ -
August		73,123	\$3.78	\$ 276,541		\$0.00			\$0.00		\$ -
September		81,803	\$3.78	\$ 309,416		\$0.00			\$0.00		\$ -
October		87,455	\$3.78	\$ 330,754		\$0.00			\$0.00		\$ -
November		98,787	\$3.78	\$ 373,884		\$0.00			\$0.00		\$ -
December		100,537	\$3.78	\$ 380,408		\$0.00			\$0.00		\$ -
Total		1,151,878	\$ 3.78	\$ 4,357,671	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

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)		Network			Line Connection			Transformation Connection			Total Line
(if needed)		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
(if needed)		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		135,704	\$ 3.7845	\$ 513,577	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February		138,336	\$ 3.7840	\$ 523,466	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March		123,778	\$ 3.7835	\$ 468,316	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April		94,713	\$ 3.7826	\$ 358,257	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May		72,336	\$ 3.7816	\$ 273,543	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June		74,754	\$ 3.7834	\$ 282,823	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July		70,552	\$ 3.7800	\$ 266,687	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August		73,123	\$ 3.7818	\$ 276,541	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September		81,803	\$ 3.7824	\$ 309,416	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October		87,455	\$ 3.7820	\$ 330,754	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November		98,787	\$ 3.7847	\$ 373,884	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December		100,537	\$ 3.7838	\$ 380,408	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total		1,151,878	\$ 3.78	\$ 4,357,671	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

											Total Line
		Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
											\$ -
											\$ -
											\$ -

Incentive Regulation Model for 2017 Filers

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

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	135,704	\$ 3.6600	\$ 496,676	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
February	138,336	\$ 3.6600	\$ 506,310	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
March	123,778	\$ 3.6600	\$ 453,027	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
April	94,713	\$ 3.6600	\$ 346,648	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
May	72,336	\$ 3.6600	\$ 264,748	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
June	74,754	\$ 3.6600	\$ 273,601	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
July	70,552	\$ 3.6600	\$ 259,220	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
August	73,123	\$ 3.6600	\$ 267,631	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
September	81,803	\$ 3.6600	\$ 299,400	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
October	87,455	\$ 3.6600	\$ 320,086	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
November	98,787	\$ 3.6600	\$ 361,562	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
December	100,537	\$ 3.6600	\$ 367,964	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
Total	1,151,678	\$ 3.66	\$ 4,215,875	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.4121	\$ -	-	\$ 0.7879	\$ -	-	\$ 1.8018	\$ -	\$ -
February	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
March	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
April	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
May	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
June	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
July	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
August	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
September	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
October	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
November	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
December	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
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	135,704	\$ 3.6600	\$ 496,676	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	138,336	\$ 3.6600	\$ 506,310	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	123,778	\$ 3.6600	\$ 453,027	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	94,713	\$ 3.6600	\$ 346,648	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	72,336	\$ 3.6600	\$ 264,748	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	74,754	\$ 3.6600	\$ 273,601	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	70,552	\$ 3.6600	\$ 259,220	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	73,123	\$ 3.6600	\$ 267,631	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	81,803	\$ 3.6600	\$ 299,400	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	87,455	\$ 3.6600	\$ 320,086	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	98,787	\$ 3.6600	\$ 361,562	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	100,537	\$ 3.6600	\$ 367,964	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	1,151,678	\$ 3.66	\$ 4,215,875	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Incentive Regulation Model for 2017 Filers

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

IESO				Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	135,704	\$ 3.6600	\$ 496,676	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
February	138,336	\$ 3.6600	\$ 506,310	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
March	123,778	\$ 3.6600	\$ 453,027	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
April	94,713	\$ 3.6600	\$ 346,648	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
May	72,336	\$ 3.6600	\$ 264,748	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
June	74,754	\$ 3.6600	\$ 273,601	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
July	70,552	\$ 3.6600	\$ 258,220	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
August	73,123	\$ 3.6600	\$ 267,631	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
September	81,803	\$ 3.6600	\$ 299,400	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
October	87,455	\$ 3.6600	\$ 320,086	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
November	98,787	\$ 3.6600	\$ 361,562	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
December	100,537	\$ 3.6600	\$ 367,964	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
Total	1,151,878	\$ 3.66	\$ 4,215,875	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Hydro One				Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
February	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
March	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
April	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
May	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
June	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
July	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
August	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
September	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
October	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
November	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
December	-	\$ 3.3396	\$ -	-	\$ 0.7791	\$ -	-	\$ 1.7713	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (I)				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)				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				Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	135,704	\$ 3.66	\$ 496,676	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	138,336	\$ 3.66	\$ 506,310	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	123,778	\$ 3.66	\$ 453,027	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	94,713	\$ 3.66	\$ 346,648	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	72,336	\$ 3.66	\$ 264,748	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	74,754	\$ 3.66	\$ 273,601	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	70,552	\$ 3.66	\$ 258,220	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	73,123	\$ 3.66	\$ 267,631	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	81,803	\$ 3.66	\$ 299,400	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	87,455	\$ 3.66	\$ 320,086	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	98,787	\$ 3.66	\$ 361,562	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	100,537	\$ 3.66	\$ 367,964	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	1,151,878	\$ 3.66	\$ 4,215,875	-	\$ -	\$ -	-	\$ -	\$ -	\$ -



Incentive Regulation Model for 2017 Filers

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

Rate Class	Rate Description	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0061	325,639,648	0	1,986,402	45.2%	1,907,527	0.0059
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057	100,380,949	134,817	572,171	13.0%	549,452	0.0055
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.3384		507,030	1,185,639	27.0%	1,138,560	2.2455
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.9408		204,285	600,763	13.7%	576,908	2.8240
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057	957,340	0	5,457	0.1%	5,240	0.0055
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7725		752	1,332	0.0%	1,279	1.7021
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7635		21,795	38,435	0.9%	36,908	1.6935

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				325,639,648	0				
General Service Less Than 50 kW Service Classification				100,380,949	134,817				
General Service 50 To 4,999 kW Service Classification					507,030				
General Service 50 To 4,999 kW Service Classification					204,285				
Unmetered Scattered Load Service Classification				957,340	0				
Sentinel Lighting Service Classification					752				
Street Lighting Service Classification					21,795				

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	0.0059	325,639,648	0	1,907,527	45.2%	1,907,527	0.0059
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055	100,380,949	134,817	549,452	13.0%	549,452	0.0055
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.2455		507,030	1,138,560	27.0%	1,138,560	2.2455
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.8240		204,285	576,908	13.7%	576,908	2.8240
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055	957,340	0	5,240	0.1%	5,240	0.0055
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7021		752	1,279	0.0%	1,279	1.7021
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.6935		21,795	36,908	0.9%	36,908	1.6935

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				325,639,648	0				
General Service Less Than 50 kW Service Classification				100,380,949	134,817				
General Service 50 To 4,999 kW Service Classification					507,030				
General Service 50 To 4,999 kW Service Classification					204,285				
Unmetered Scattered Load Service Classification				957,340	0				
Sentinel Lighting Service Classification					752				
Street Lighting Service Classification					21,795				



Incentive Regulation Model for 2017 Filers

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

	Price Escalator	2.10%	Productivity Factor	0.00%	# of Residential Customers (approved in the last CoS)	29,271	Effective Year of Residential Rate Design Transition (yyyy)	2016
	Choose Stretch Factor Group	IV	Price Cap Index	1.65%	Billed kWh for Residential Class (approved in the last CoS)	340,561,450	OEB-approved # of Transition Years	5
	Associated Stretch Factor Value	0.45%						
				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	



Incentive Regulation Model for 2017 Filers

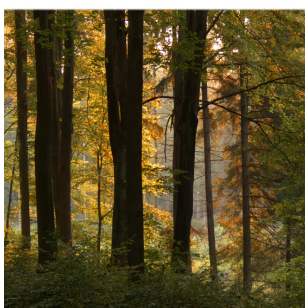
Update the following rates if an OEB Decision has been issued at the time of completing this application

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

EXHIBIT 5

SSM PUC 2013-2015 LRAMVA Report

PUC Distribution Inc. 2013- 2015 LRAMVA



PUC Distribution Inc. lost revenue
related to Conservation and Demand
Management

2013-2015



This document was prepared for PUC Distribution Inc. by IndEco Strategic Consulting Inc.

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IndEco report B6079

27 September 2016

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Introduction

The Lost Revenue Adjustment Mechanism (LRAM) was developed to remove a disincentive electricity local distribution companies (LDCs) may have to promote conservation and demand management (CDM) programs. CDM programs are designed to provide energy savings and peak demand reductions for the customers of LDCs, which directly impact the LDC's revenue. The LRAM allows LDCs to be compensated for lost revenue that resulted from CDM programs the LDC offered to its customers.

Starting in 2011, the Ontario Energy Board (OEB) authorized LDCs to establish an LRAM variance account (LRAMVA) to capture the impact of CDM programs on the revenue of LDCs. The variance in the LRAMVA is between the lost revenue due to independently verified load impacts of CDM and the lost revenue from any CDM impacts an LDC included in the LDC's load forecast.¹

PUC Distribution Inc. (PUC) contracted with the Ontario Power Authority (OPA, which has now been merged into the Independent Electricity System Operator – IESO) to offer a suite of CDM programs to customers in a variety of rate classes for the 2011-2014 period and subsequently with the IESO for the 2015-2020 period. PUC is required to use "the most recent and appropriate final CDM evaluation report from the IESO in support of its lost revenue calculation."² The final 2015 annual verified results report is the most recent final CDM evaluation report available from the IESO. Thus, PUC may claim lost revenue from CDM programs up to and including 2015 in PUC's 2017 rate case (EB-2016-0102).

PUC disposed of lost revenues from 2011–2012 CDM programs in 2011–2012 in PUC's 2013 and 2014 rate cases. PUC included the impacts of CDM in the load forecast for PUC's 2013 cost of service rate case and estimated the CDM savings in 2013.³ The LRAMVA Threshold estimated from 2011–2013 CDM programs in 2013 is compared to the calculated lost revenue from verified final CDM results. The difference between these two is the LRAMVA value PUC is claiming for 2013 – 2015. This report determines the variance account balance for the following revenue losses:

- Lost revenues in 2013 related to programs offered in 2011,
- Lost revenues in 2013 related to programs offered in 2012,

¹ *Guidelines for Electricity Distributor Conservation and Demand Management*. Ontario Energy Board. April 26, 2012 (EB-2012-0003).

² *Filing Requirements For Electricity Distribution Rate Applications - 2016 Edition for 2017 Rate Applications - Chapter 2 - Cost of Service*, Ontario Energy Board. July 14, 2016.

³ The LRAMVA Threshold is shown in Table 7 of the settlement agreement, which is appended to the OEB Decision and Order. (EB-2012-0162, p. 20 of the settlement agreement. Although the table is labeled as being only for 2012 and 2013 programs, the values shown are from Table 6 on the same page and include persistence from 2011, as well as from 2012 and 2013.

- Lost revenues in 2013 related to programs offered in 2013,
- Lost revenues in 2014 related to programs offered in 2011,
- Lost revenues in 2014 related to programs offered in 2012,
- Lost revenues in 2014 related to programs offered in 2013,
- Lost revenues in 2014 related to programs offered in 2014.
- Lost revenues in 2015 related to programs offered in 2011,
- Lost revenues in 2015 related to programs offered in 2012,
- Lost revenues in 2015 related to programs offered in 2013,
- Lost revenues in 2015 related to programs offered in 2014, and
- Lost revenues in 2015 related to programs offered in 2015.

The carrying charges on the above variances through April 2017 are also reported.

Methodology

In principle, the determination of lost revenues is a simple calculation:

$$LR = (\text{CDM results} - \text{CDM results in the load forecast}) * \text{rate}$$

In practice, it is somewhat more complicated than that because of the limitations of the information available to calculate CDM results, the different time periods of results data and the rate year, and the need to determine carrying charges on the lost revenues.

The most recent input assumptions currently available have been used to calculate the lost revenue values.

CDM results

From 2011 through 2015, PUC offered provincial programs in partnership with the Independent Electricity System Operator (IESO). PUC did not offer custom programs beyond the IESO programs.

IESO evaluation results

The IESO performs evaluations of all of its programs, which examine gross energy savings from the programs, and the net-to-gross ratio (NTGR), and then from those calculates net energy savings by initiative within program group (residential, business, industrial and low-income). Peak load reductions are also calculated, and reported in the same way.

Provincial results are allocated to individual LDCs based on each LDC's individual performance where possible, or through an allocation process.

The IESO reports energy savings and peak demand reductions, by initiative in the current year, adjustments to the previous year, based on updated validation, and contribution to total savings or reductions to the end of the 2011 to 2014 period and the 2015 to 2020 period. The savings and demand reductions for a particular year for a number of programs persist in the following years. The savings and demand reductions for demand response programs do not persist beyond the year in which those particular savings and demand reductions occur. The IESO was requested to provide the persistence into future years of savings and reductions for each program in each year.

These are the best, most definitive and defensible estimates of results associated with these programs, and incorporate the most appropriate estimates of results from the measures installed.

However, these data have some limitations, and require some adjustments for use in lost revenue calculations.

Allocating results to rate classes

The IESO reports results by 'program', within four main programs: residential, business (commercial and institutional), industrial and low-income. These only partially map onto rate classes. For initiatives that apply to more than one rate class, PUC staff estimated the split by rate class, drawing on participant-specific information where available.

Application of reported results

As previously mentioned, the IESO reports both energy savings and reductions in demand. Depending on the rate class, distribution revenue is based on either kilowatt-hours used, or the customer's monthly peak kilowatt use. For rate classes where the customer is charged for distribution by energy use (kWh), the IESO reported energy savings are used to calculate lost revenues related to CDM results. For customer classes where the LDC charges for distribution based on the customer's peak monthly demand (kW), the IESO reported demand reductions are used to calculate lost revenues related to CDM results. The demand reductions in the IESO reports should be multiplied by a multiplier based on the number of months a specific program impacts a customer's peak demand. "The IESO indicated that the demand savings from energy efficiency programs shown in the Final CDM Results should generally be multiplied by twelve (12) months to represent the demand savings the distributor has experienced over the entire year...In the case of the Building Commissioning initiative, the demand savings provided in the Final CDM Results should only be multiplied by three (3) as these savings are related to space cooling and do not occur throughout the full year, but only during the summer months, typically."⁴

The OEB has decided that lost revenue cannot be claimed from the kW values reported by the IESO for the Demand Response 3 (DR3) program. "The monthly peak demand of a demand-billed customer used for billing purposes may not correspond with the demand response event; even if it did, the lost revenues would only be related to a difference between the customer's peak demand absent the demand response event and the next highest peak demand for the customer in that month... Since the IESO's evaluations cannot confirm the nature of the demand savings relative to the billing period for demand-billed customers, it is not appropriate that distributors be credited with lost revenues from demand response programs, except for those situations where the distributor can explicitly demonstrate revenue impacts."⁵

⁴ Ontario Energy Board, *Updated Policy for the Lost Revenue Adjustment Mechanism Calculation: Lost Revenues and Peak Demand Savings from Conservation and Demand Management Programs*, EB-2016-0182, May 19, 2016, p. 4.

⁵ Ibid. p. 7.

Load reductions accounted for in the load forecast

In recent years, LDCs have tried to account for load losses due to CDM programs in their load forecasts, submitted as part of their Cost of Service applications. These forecasted reductions need to be deducted from load losses attributable to CDM programs, to determine the final impact of CDM on revenues. That is, the impact is the *variance* between the results accounted for in the load forecast and the results attributable to the programs.

Overall impact of CDM on load, by rate class

The overall impact of CDM energy savings and demand reductions on load is calculated from the IESO energy savings and peak demand reductions, allocated by rate class. Finally the difference is calculated between the overall estimated impact on loads and the load reductions attributable to CDM that were captured in the most recent load forecast.

Distribution rates

Revenue impacts to the LDC associated with CDM are calculated using the distribution volumetric rate. Most other rate components (e.g. service charges, global adjustment, transmission charges) are either fixed charges or pass-throughs for the utility that do not affect the LDC's revenues. An exception is for certain rate riders related to taxes, and these are added to the distribution volumetric rates for lost revenue calculations, where applicable.

For most electricity distribution utilities in Ontario, including PUC, distribution rates are set for the period from 1 May to 30 April of the next year. CDM results are reported for the calendar year, so average rates for the calendar year need to be calculated. For simplicity, the average rate is estimated based on the rate being four twelfths of the previous year's rate (for January through April), and eight twelfths of the current year's rate (for May through December).

Lost revenues variance

Lost revenues in a particular rate class are the product of the savings or demand reductions in that class, less what was accounted for in the load forecast, multiplied by the average rate for that class in the calendar year for which the energy savings or demand reductions were reported.⁶ The variance is the difference between these lost revenues and the quantity of CDM in the load forecast, or what is called 'the LRAMVA threshold'.

Because these revenues are lost throughout the year, and are only recovered through rate riders in subsequent years, the Ontario Energy

⁶ Where distribution rates are monthly rates for the peak kW in that month, the annual loss of revenue is the monthly rate times the number of months it applies to – usually twelve.

Board has permitted the LDCs to claim carrying charges on these lost revenues at a rate prescribed by the OEB, and published on the Board's website. The carrying charges are simple interest, not compounded and are calculated on the monthly lost revenue balance. Because the IESO final results estimates are reported annually, and monthly estimates are not available, the incremental results are assumed to be equally distributed across the months. So 1/12 of the annual results are allocated to each month of the year.

Carrying charges accrue from the time of the results, until disposition.

The LDC reports these lost revenues on its financial statements in Account 1568, and the associated rate class-specific sub-accounts.

Results

Following the methodology described above, lost revenues were calculated for PUC.

CDM results

IESO evaluation results

The most recent and appropriate final CDM evaluation reports from the IESO were used in support of the lost revenue calculations. A working Microsoft Excel file copy of each IESO evaluation report has been filed separately by PUC. The net verified final 2011-2014 results can be found in Table 1 of the *Verified 2011-2014 Final Results Report for PUC Distribution Inc.* file released by the IESO on September 1, 2015. The net adjustments to verified final 2011, 2012, and 2013 results can be found in Table 2 of the *Verified 2011-2014 Final Results Report for PUC Distribution Inc.* file released by the IESO on September 1, 2015. The net verified final 2015 results can be found in the “Net Incremental First Year Energy Savings” and “Net Incremental First Year Peak Demand Savings” sections of the “LDC Progress” tab in the *Final 2015 Annual Verified Results Report for PUC Distribution Inc.* file released by the IESO on June 30, 2016.

The IESO provided PUC with persistence data for 2011-2014 results and 2011-2013 adjustments at the initiative level. The data provided are presented in new Tables 16 to 22 on Tab 6 of the OEB LRAMVA work form that is filed with this document.

Table 16 of the OEB LRAMVA work form shows the persistence of 2011 results into future years. Table 17 of the OEB LRAMVA work form shows the persistence of 2012 results into future years. Table 18 of the OEB LRAMVA work form shows the persistence of 2013 results into future years. Table 19 of the OEB LRAMVA work form shows the persistence of 2014 results through 2015. Table 20 of the OEB LRAMVA work form shows the persistence of 2011 adjustments into future years. Table 21 of the OEB LRAMVA work form shows the persistence of 2012 adjustments into future years. Table 22 of the OEB LRAMVA work form shows the persistence of 2013 adjustments into future years. No adjustments were provided for 2014 final results.

Street lighting project

Starting in 2015, the City of Sault Ste. Marie undertook a project under the Retrofit Program to retrofit streetlights to a more energy efficient light emitting diode (LED) technology.

The IESO has included the calculated kilowatt hours (kWh) of energy savings from the street lighting project in PUC’s 2015 results. These values are included in the table below:

Year	Gross savings (kWh)	Net to gross ratio	Net savings (kWh)
2015	106,605	0.86	91,702

The street lighting account is billed based on kilowatts (kW) of demand. The street lighting retrofit project is being implemented in stages and kW reductions have been applied to the municipality's street lighting account starting in December 2015. The customer bills/billing data showing the value of 1,782 kW used for billing prior to the street lighting upgrade and the value of 1,688.617 kW used for billing in December 2015 to reflect the first phase of the street lighting upgrade can be found in Appendix A. The calculated net demand reduction for December 2015 is shown in the table below:

Month	Gross demand reduction (kW)	Net to gross ratio	Net demand reduction (kW)
Dec-15	93.383	0.84	78
2015 Total			78

These changes in demand for billing purposes are not captured in the IESO report on reductions because that report only considers demand reductions during peak hours, when streetlights are not in use, so have been calculated separately.

As the street lighting rate class is billed by kW, the calculated kWh savings from the Retrofit project do not impact PUC's revenue. Thus, the calculated kWh of savings have been manually removed from the 2015 Retrofit program results for lost revenue calculations. The actual 2015 lost revenue from the street lighting retrofit project has been calculated directly by multiplying the demand reduction from the project by the appropriate rate.

Allocating results to rate classes

PUC provided information on the allocation of results to rate classes. In most cases, the allocation is straightforward. Initiatives that can span multiple rate classes include Retrofit, Building Commissioning, New Construction, Energy Audit, Demand Response 3, Process & Systems Upgrades, Monitoring & Targeting, Energy Manager, Electricity Retrofit Incentive Program and High Performance New Construction. No allocation was provided for programs for which PUC has no program results.

PUC bills customers in different rate classes using different volumetric units, either kilowatt hours (kWh), or customer peak monthly kilowatts (kW). The rate classes (and billing units) for PUC are:

- Residential (kWh)

- GS <50 kW (kWh)
- GS 50 to 4,999 kW (kW)
- Unmetered Scattered Load (kWh)
- Sentinel Lighting (kW)
- Street Lighting (kW)

Table 7 of the OEB LRAMVA work form shows the percentage allocation by rate class for the persistence of 2011 results and adjustments. Table 8 of the OEB LRAMVA work form shows the percentage allocation by rate class for the persistence of 2012 results and adjustments. Table 9 of the OEB LRAMVA work form shows the percentage allocation by rate class for 2013 results and adjustments. Table 10 of the OEB LRAMVA work form shows the percentage allocation by rate class for 2014 results. Table 11-a of the OEB LRAMVA work form shows the percentage allocation by rate class for 2015 results. In each year the rate class allocation percentage totals for each program may not add up to 100% in cases where kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Load reductions accounted for in the load forecast

PUC's last cost of service application was filed for the 2013 rate year (EB-2012-0162). The load forecast associated with that application included a CDM adjustment to account for load losses from 2011 – 2013 CDM programs.⁷ The LRAMVA Threshold amount was also included in PUC's last cost of service decision to estimate the impact of 2011–2013 CDM programs in 2013 that all parties agreed would be used for the variance calculation with the lost revenue from verified final CDM results.⁸ Table 3 of the OEB LRAMVA work form shows the estimates of load reductions, by rate class that were included at the time of the load forecast. PUC's previous cost of service application was filed for the 2008 rate year (EB-2007-0931). The load forecast associated with that application did not account for load losses from 2011 – 2014 CDM programs.

Overall impact of CDM on load, by rate class

Multiplying the adjusted energy savings or demand reduction reported for PUC for each program by the allocation by rate class provides the

⁷ The CDM adjustment included the estimated impact of 50% of 2011, 100% of 2012, and 50% of 2013 CDM programs in 2013 and can be found in Settlement Table #5 on Page 19 of 85 of the Proposed Settlement Agreement in the Decision and Rate Order for EB-2012-0162, dated July 4, 2013.

⁸ The LRAMVA Threshold amount by rate class can be found in Settlement Table #7 on Page 20 of 85 of the Proposed Settlement Agreement in the Decision and Rate Order for EB-2012-0162, dated July 4, 2013. The text reference to the LRAMVA Threshold amount indicates that it only includes 2012 and 2013 results, but the preceding Table #6 shows that the LRAMVA Threshold amount included the estimated impact of 100% of 2011, 100% of 2012, and 100% of 2013 CDM programs in 2013 and will thus be compared to the verified final results for the same years. Similarly, the headings for Sentinel Lighting and Street Lighting have been reversed. As shown in Table #5, street lighting is a much more significant load than Sentinel Lighting.

impact on load of that CDM program within the appropriate rate class. The sum of the energy savings and demand reductions for all of the programs for each rate class provides the overall impact of CDM on load by rate class. The overall load impact for each calendar year includes the results for the CDM programs and any adjustments to the results in that year.

The bottom of Table 7 of the OEB LRAMVA work form shows the overall impact of CDM on load by rate class for 2011. The bottom of Table 8 of the OEB LRAMVA work form shows the overall impact of CDM on load by rate class for 2012. The bottom of Table 9 of the OEB LRAMVA work form shows the overall impact of CDM on load by rate class for 2013. The bottom of Table 10 of the OEB LRAMVA work form shows the overall impact of CDM on load by rate class for 2014. The bottom of Table 11-a of the OEB LRAMVA work form shows the overall impact of CDM on load by rate class for 2015.

Distribution rates

The distribution rates that are used to calculate the CDM impact on distributor revenue for each rate class for PUC are shown in Table 5 of the OEB LRAMVA work form. The distribution rates are pro-rated from the rate year to the calendar year, as needed, using the number of months of each rate year in each calendar year in the 2013 to 2015 time period. Table 6 of the OEB LRAMVA work form shows the pro-rated rates used for each calendar year. 2011-2012 rates were removed, as 2011-2012 LRAMVA was disposed in PUC's 2013 and 2014 rate cases.

Lost revenues

The lost revenues for each year by rate class for PUC calculated from final CDM program results are shown in Table 1 of the OEB LRAMVA work form. The lost revenue for each year is based on the load impact for each rate class in that year multiplied by the rate for that rate class in that year. The load impact in a given year will include the impact of CDM programs in that year and the persistence of the CDM program impact from previous years in that year.

The lost revenue for 2011-2015 is based on final verified results provided by the IESO.

Table 1 of the OEB LRAMVA work form also shows the lost revenue in each year due to LRAMVA amount in PUC's 2013 load forecast. The impact on PUC's revenue is the variance between what is calculated from final CDM program results and LRAMVA amount associated with the load forecast.

Carrying charges

The monthly carrying charges by rate class on PUC's lost revenue variance are shown in Table 15 of the OEB LRAMVA work form. The

carrying charges are reported monthly, from the time the lost revenues resulted, through to April 30, 2017.

Conclusions

The LRAMVA balance at the end of December 2015 for PUC that includes results from 2011 – 2015 CDM programs and adjustments to 2011 to 2013 results in 2013 – 2015 is \$189,843.04. The total carrying charges on this LRAMVA balance accumulated to April 30, 2017 are \$4,974.72. These balances are attributable to individual rate classes according to the following table:

Rate class	LRAMVA	Carrying charges	Total
Residential	-\$18,222.02	-\$1,426.68	-\$19,648.70
GS < 50 kW	\$177,517.46	\$5,674.33	\$183,191.79
GS 50 to 4,999 kW	\$47,056.47	\$1,297.46	\$48,353.93
Unmetered Scattered Load	-\$1,038.64	-\$34.67	-\$1,073.31
Sentinel Lighting	-\$781.80	-\$26.06	-\$807.86
Street Lighting	-\$14,688.44	-\$509.65	-\$15,198.10
Total	\$189,843.04	\$4,974.72	\$194,817.76

NOTE: There are no LRAMVA or carrying charge values associated with rate classes not included in this table.

Where negative values are shown, that indicates that the actual reduction in load from CDM programs was less than the LRAMVA amount associated with the load forecast.

Appendix A. Street lighting rate class billing data

Assuming No LED Installations				With LED Installations				Savings			
kwh	losses	MAX kW	Charges	kWh	losses	MAX Kw	Charges	kwh	losses	MAX kW	Charges
614790	30063.23	1782	\$ 121,125.23	598935.801	29287.96067	1782	\$ 119,655.80	15854.20	775.27	0.00	\$ 1,469.43
635283	31065.34	1782	\$ 149,783.15	566893.0635	27721.07081	1688.617	\$ 138,624.16	68389.94	3344.27	93.38	\$ 11,158.99
828630	40520.01	1782	\$ 154,639.04	676320.765	33072.08541	1469.325	\$ 131,510.41	152309.24	7447.92	312.68	\$ 23,128.63
775170	37905.81	1782	\$ 163,874.27	630077.655	30810.79733	1448.457	\$ 138,279.20	145092.35	7095.02	333.54	\$ 25,595.07
828630	40520.01	1782	\$ 153,502.19	672732.225	32896.6058	1447.545	\$ 129,848.49	155897.78	7623.40	334.45	\$ 23,653.70
588060	28756.13	1782	\$ 146,241.68	476698.28	23310.55	1446.709	\$ 123,729.99	111361.72	5445.58	335.29	\$ 22,511.69
607662	29714.67	1782	\$ 143,531.76	479656.8145	23455.21823	1437.65	\$ 120,369.01	128005.19	6259.45	344.35	\$ 23,162.75
588060	28756.13	1782	\$ 156,843.01	430064.23	21030.14	1345.08	\$ 122,943.86	157995.77	7725.99	436.92	\$ 33,899.15
414315	20260	1782	\$ 110,616.57	279986.75	13691.35	1260.35	\$ 84,823.93	134328.25	6568.65	521.65	\$ 25,792.64



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EXHIBIT 6

SSM PUC 2013-2015 LRAMVA Work Form



Ontario Energy Board

Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Work Form

Version 1.0 (2017)

Generic LRAMVA Work Forms

File Name	Description
1. LRAMVA Summary	Table 1 provides a summary of the LRAMVA balances and carrying charges associated with the LRAMVA claim. The balances are populated from entries into other tabs throughout this work form.
2. CDM Allocation	Tables 2, 3 and 4 include the CDM savings and allocation by rate class that were included in the load forecast.
3. Distribution Rates	Tables 5 and 6 include a historical account of distribution rates that were used to calculate lost revenues.
4. 2011-14 LRAM	Tables 7, 8, 9 and 10 includes 2011-2014 LRAMVA work forms. These should only be used if the LDC has not applied for approval of these amounts.
5. 2015 LRAM	Table 11-a includes a template workform for calculating 2015 lost revenues based on legacy and new programs.
6. Persistence Rates	Tables 12 and 13 includes the 2011-2014 persistence factors and 2015-2020 persistence factors.
7. Carrying Charges	Tables 19 and 20 includes the carrying charges related to the LRAMVA claim that is being made.

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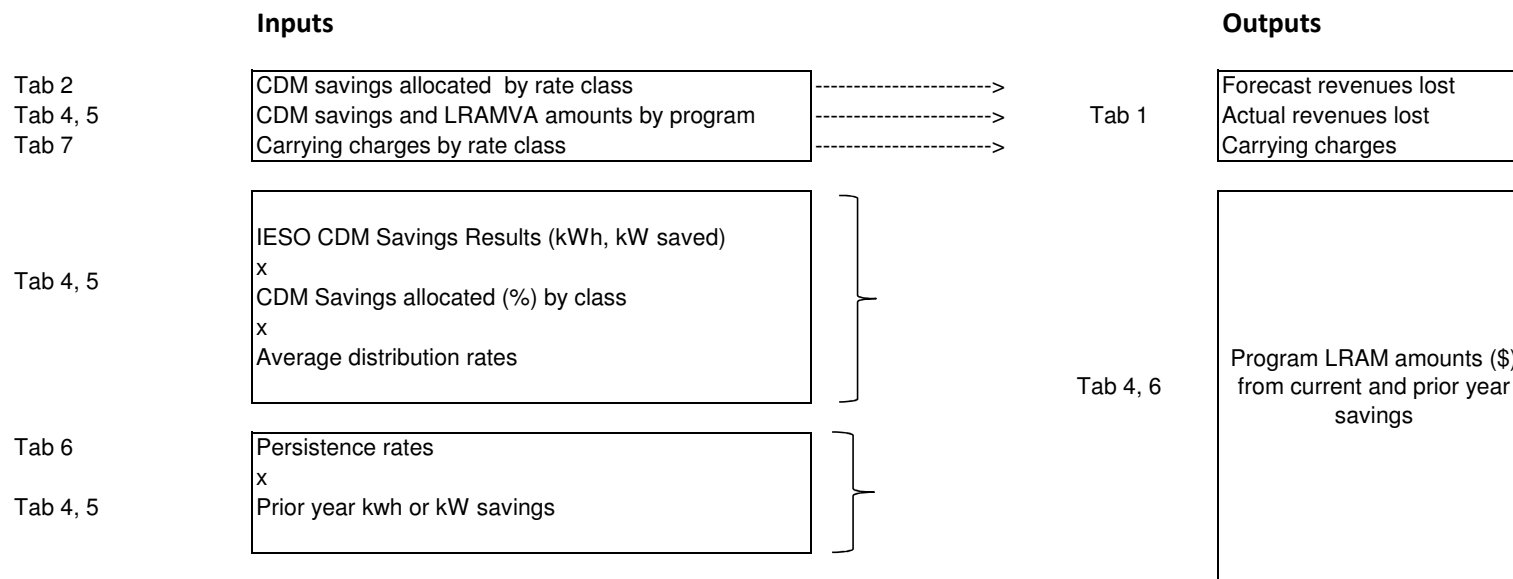
While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.



LRAMVA Work Form: Input-Output Schematic

General Note on the LRAMVA Model

The LRAMVA model consolidates information that LDCs are already required to file with the OEB. The model has been created to provide LDCs with a consistent format to display CDM impacts, the CDM component of the load forecast and ultimately, any variance between actual CDM savings and the CDM component of the load forecast. The majority of the information required in the LRAMVA work form will be provided to LDCs from the IESO as part of the Final CDM Results each year.





LRAMVA Work Form: Summary Table

LRAMVA Summary

This is a summary sheet that contains the final LRAMVA balances with links from **Tabs 2, 4, 5 and 7.**

File Number	EB-2016-0102	Amount of LRAM claimed in the past	\$ 119,237.00
Exhibit	6	Years of LRAM Claimed	2011-2012
		Last Cost of Service Application (File No.)	EB-2012-0162
Legend	User Inputs (Green)	Amount of LRAMVA to claim	\$194,817.76
	Auto Populated Cells (White)	Recovery Period of LRAMVA Claim	

Table 1. Annual and Total LRAMVA by Rate Class

Description	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
2011 Forecast								
2011 Actuals								
Amount Cleared								
2012 Forecast								
2012 Actuals								
Amount Cleared								
2013 Forecast	(\$71,901.98)	(\$25,532.59)	(\$40,116.93)	(\$331.06)	(\$247.83)	(\$5,124.24)		(\$143,254.62)
2013 Actuals	\$35,454.28	\$69,986.55	\$47,408.37					\$152,849.20
Amount Cleared								
2014 Forecast	(\$76,452.73)	(\$27,171.04)	(\$44,282.18)	(\$352.04)	(\$265.35)	(\$5,486.62)		(\$154,009.97)
2014 Actuals	\$73,740.64	\$94,104.43	\$56,131.76					\$223,976.83
Amount Cleared								
2015 Forecast	(\$77,362.89)	(\$27,444.12)	(\$44,827.92)	(\$355.54)	(\$268.62)	(\$5,554.26)		(\$155,813.34)
2015 Actuals	\$98,300.66	\$93,574.22	\$72,743.38			\$1,476.67		\$266,094.94
Amount Cleared								
Carrying Charges	(\$1,426.68)	\$5,674.33	\$1,297.46	(\$34.67)	(\$26.06)	(\$509.65)		\$4,974.72
Total LRAMVA Balance	(\$19,648.70)	\$183,191.79	\$48,353.93	(\$1,073.31)	(\$807.86)	(\$15,198.10)		\$194,817.76



LRAMVA Work Form: CDM Allocation

CDM Savings Target Allocation by Rate Class

Instruction

Please update the template as needed or replace this spreadsheet with an existing templates that estimated savings in CDM forecast.

An example template is provided below and can be filled in if it is applicable to the LDC. The LDC may re-populate CDM savings by rate class for historical years based on past year's approved cost of service application, or relevant information from **Appendix 2-1**.

Alternatively, LDCs may want to link this spreadsheet to their CDM savings allocation (e.g. appended as another tab in this workbook) to fill in **Tables 2, 3 and 4** below.

Legend

User Inputs (Green)

Auto Populated Cells (White)

Table 2. Amount used for CDM Threshold for LRAMVA

Forecast Year	kWh	kW	kWh (check)
2011	-		
2012	-		
2013	9,399,060	8,701	9,399,060
2014	9,399,060	8,701	9,399,060
2015	9,399,060	8,701	9,399,060
2016	9,399,060	8,701	9,399,060
2017	9,399,060	8,701	9,399,060

Table 3. Allocation of CDM Savings (Energy and Demand Billed) by Rate Class in Approved Load Forecast

Forecast Year	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator
	kWh	kWh	kW	kWh	kW	kW	NA
2011							
2012							
2013	4,550,758	1,365,379	8,396	11,657	10	295	
2014	4,550,758	1,365,379	8,396	11,657	10	295	
2015	4,550,758	1,365,379	8,396	11,657	10	295	
2016	4,550,758	1,365,379	8,396	11,657	10	295	

Tables 3A: CDM Adjustment as Approved in Cost of Service Application

Note: Tables 3A are not used so have been hidden

Note:

Actual CDM Threshold and Allocation values were used in Tables 2 and 3, so Tables 3a were not filled out.

Table 4. Forecast Lost Revenue Amounts by Rate Class

Forecast Year	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
	\$	\$	\$	\$	\$	\$	\$	\$
2011								
2012								
2013	\$71,902	\$25,533	\$40,117	\$331	\$248	\$5,124		\$143,255
2014	\$76,453	\$27,171	\$44,282	\$352	\$265	\$5,487		\$154,010
2015	\$77,363	\$27,444	\$44,828	\$356	\$269	\$5,554		\$155,813
2016	\$67,351	\$27,717	\$45,061	\$358	\$270	\$5,588		\$146,345

Notes: References directly the CDM amounts in the forecast. See "Forecast" tab. Tables 2 and 3a not used, as the values do not impact LRAMVA and Tables 3a assumed allocation of CDM impacts based on kWh load share by rate class.

Forecasted impact of CDM in the load forecast

Table 2a. LRAMVA Thresholds 2013

	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total
	kWh	kWh	kW	kWh	kW	kW	
kWh	4,550,758	1,365,379	3,362,279	11,657	3,394	105,593	9,399,060
kW	-	-	8,396	-	10	295	8,701

Source: 2013 Cost of Service decision Settlement Table #7, p. 20, of the Decision and Order for EB-2012-0162, dated July 4, 2013. Note that contrary to the table title, the numbers include 2011 estimates, as shown on the source table, Table #6. Also, the headings for Sentinel Lighting and Street Lighting are reversed, as evidenced by comparing to Table #5.



LRAMVA Work Form: Distribution Rates

Distribution Rates

Instruction

Please update **Table 5** with the approved distribution rates for the utility's respective rate classes. The applicable rates to estimate lost revenues will autopopulate in **Table 6** and be used in the LRAM Work Sheets (**Tab 4 and Tab 5**) for the applicable year in which LRAM is claimed.

LDCs to update the rate classes as appropriate below depending on the utility's customer mix.

Legend

User Inputs (Green)

Auto Populated Cells (White)

Table 5. Distribution Volumetric Rate by Billing Period

Decision & Orders for Approved Volumetric Rates:		EB-2009-0247	EB-2010-0111	EB-2012-0084	EB-2012-0162	EB-2013-0167	EB-2014-0109	EB-2015-0098	
Rate Class	Billing Unit	May 1, 2010- April 30, 2011	May 1, 2011- July 31, 2012	August 1, 2012- June 30, 2013	July 1, 2013- April 30, 2014	May 1, 2014- April 30, 2015	May 1, 2015- April 30, 2016	May 1, 2016- April 30, 2017	May 1, 2017- April 30, 2018
<i>Rate Year</i>		<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>
<i>Pro-ratio of Rates (months) - Period 1</i>		<i>4</i>	<i>4</i>	<i>7</i>	<i>6</i>	<i>4</i>	<i>4</i>	<i>4</i>	
<i>Pro-ratio of Rates (months) - Period 2</i>		<i>8</i>	<i>8</i>	<i>5</i>	<i>6</i>	<i>8</i>	<i>8</i>	<i>8</i>	
Residential	kWh	\$ 0.0150	\$ 0.0148	\$ 0.0148	\$ 0.0167	\$ 0.0169	\$ 0.0171	\$ 0.0137	
GS < 50 kW	kWh	\$ 0.0177	\$ 0.0175	\$ 0.0176	\$ 0.0197	\$ 0.0200	\$ 0.0202	\$ 0.0203	
GS 50 to 4,999 kW	kW	\$ 4.3430	\$ 4.3209	\$ 4.3307	\$ 5.2254	\$ 5.2986	\$ 5.3595	\$ 5.3708	
Unmetered Scattered Load	kWh	\$ 0.0269	\$ 0.0267	\$ 0.0268	\$ 0.0299	\$ 0.0303	\$ 0.0306	\$ 0.0307	
Sentinel Lighting	kW	\$ 23.4679	\$ 23.2841	\$ 23.2764	\$ 26.2894	\$ 26.6575	\$ 26.9641	\$ 26.9643	
Street Lighting	kW	\$ 16.4488	\$ 16.3194	\$ 16.3138	\$ 18.4267	\$ 18.6847	\$ 18.8996	\$ 18.9614	
MicroFIT Generator	NA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

Table 6. Summary Table: Average Distribution Volumetric Rates by Year for LRAM Calculation

Rate Class	Billing Unit	2011	2012	2013	2014	2015	2016	2017
Residential	kWh			\$ 0.0158	\$ 0.0168	\$ 0.0170	\$ 0.0148	\$ -
GS < 50 kW	kWh			\$ 0.0187	\$ 0.0199	\$ 0.0201	\$ 0.0203	\$ -
GS 50 to 4,999 kW	kW			\$ 4.7781	\$ 5.2742	\$ 5.3392	\$ 5.3670	\$ -
Unmetered Scattered Load	kWh			\$ 0.0284	\$ 0.0302	\$ 0.0305	\$ 0.0307	\$ -
Sentinel Lighting	kW			\$ 24.7829	\$ 26.5348	\$ 26.8619	\$ 26.9642	\$ -
Street Lighting	kW			\$ 17.3703	\$ 18.5987	\$ 18.8280	\$ 18.9408	\$ -
MicroFIT Generator	NA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Note:

2011-2012 rates removed, as 2011-2012 LRAMVA was disposed in 2013 and 2014 rate cases.

LRAMVA Work Form: 2011-2014 Lost Revenues Work Form

2011-2014 Lost Revenues Work Form

Instruction

The following LRAM work forms apply to LDCs that need to recover lost revenues from the 2011-2014 period. This workbook contains links from **Tab 3** (Distribution Rates) and **Tab 6** (Persistence Rates). Demand Response (DR3) Savings should generally not be included with the LRAMVA calculation, unless supported by empirical evidence. Please see revised LRAM policy related to peak demand savings, issued by the OEB in EB-2016-0182.

LDC to adjust the rate allocations by class (columns h to n). Please insert IESO verified savings for applicable programs (columns f to g). Adjustments will apply to the year that LRAM is claimed.

Legend

User Inputs (Green)
Auto Populated Cells (White)

Table 7. 2011 Lost Revenues Work Form

#	Initiative	Results Status	Months of Demand Savings	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA							
				2011 kW Saved	2011 kWh Saved	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Consumer Program						kWh	kWh	kW	kWh	kW	kW	NA	
1	Appliance Retirement	Verified	12	17	115,083	100%							100%
2	Appliance Exchange	Verified	12	6	9,081	100%							100%
3	HVAC Incentives	Verified	12	148	302,460	100%							100%
4	Conservation Instant Coupon Booklet	Verified	12	10	166,010	100%							100%
5	Bi-Annual Retailer Event	Verified	12	15	255,303	100%							100%
6	Retailer Co-op	Verified	12			100%							100%
7	Residential Demand Response	Verified				100%							100%
8	Residential New Construction	Verified	12			100%							100%
	Adjustments to 2011 results (if any)	True-up	12	-14	-9,435	100%							100%
Business Program													
9	Retrofit	Verified	12	128	724,440		15%	85%					100%
10	Direct Install Lighting	Verified	12	227	576,898		100%						100%
11	Building Commissioning	Verified	3										
12	New Construction	Verified	12										
13	Energy Audit	Verified	12										
14	Commercial Demand Response (part of residential program)	Verified											
15	Demand Response 3	Verified											
	Adjustments to 2011 results (if any)	True-up	12	3	6,364		94%	2%					96%
Industrial Program													
16	Process & System Upgrades	Verified	12										
17	Monitoring & Targeting	Verified	12										
18	Energy Manager	Verified	12										
19	Retrofit	Verified	12										
20	Demand Response 3	Verified											
	Adjustments to 2011 results (if any)	True-up	12										
Home Assistance Program													
21	Home Assistance Program	Verified	12			100%							100%
	Adjustments to 2011 results (if any)	True-up	12		1								

2011

Pre-2011 Programs completed in 2011													
22	Electricity Retrofit Incentive Program	Verified	12	16	91,066	100%	100%						
23	High Performance New Construction	Verified	12	98	503,823								
24	Toronto Comprehensive	Verified	12										
25	Multifamily Energy Efficiency Rebates	Verified	12										
Adjustments to 2011 results (if any)				0	-246,136								
						100%	100%						
Total kWh						838,502	691,564						1,530,066
Total kWh (excludes DR)						838,502	691,564						1,530,066
Total GS > 50 kW								2,666					2,666
Total GS > 50 kW (excludes Building Commissioning)								2,666					2,666
Distribution Rate in 2011													
Lost Revenue in 2011													
2011 Savings Persisting in 2012						838,502	689,502	2,666					
2011 Savings Persisting in 2013						838,502	685,838	2,666					
2011 Savings Persisting in 2014						836,030	582,694	2,666					
2011 Savings Persisting in 2015						760,278	582,694	2,666					

Note Rate class allocation percentage totals may not add up to 100% in cases where kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Table 8. 2012 Lost Revenues Work Form

#	Initiative	Results Status	Months of Demand Savings	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA																	
				2012 kW Saved	2012 kWh Saved	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total										
Consumer Program						kWh	kWh	kW	kWh	kW	kW	NA											
1	Appliance Retirement	Verified	12	12	83,036	100%							100%										
2	Appliance Exchange	Verified	12	12	21,501	100%							100%										
3	HVAC Incentives	Verified	12	113	214,532	100%							100%										
4	Conservation Instant Coupon Booklet	Verified	12	2	12,147	100%							100%										
5	Bi-Annual Retailer Event	Verified	12	13	232,665	100%							100%										
6	Retailer Co-op	Verified	12			100%							100%										
7	Residential Demand Response (switch/pstat)	Verified				100%							100%										
8	Residential Demand Response (IHD)	Verified				100%							100%										
9	Residential New Construction	Verified	12			100%							100%										
Adjustments to 2012 results (if any)				1	2,902	100%																	
Business Program																							
10	Retrofit	Verified	12	148	655,680		32%	96%					128%										
11	Direct Install Lighting	Verified	12	339	1,244,484		100%						100%										
12	Building Commissioning	Verified	3																				
13	New Construction	Verified	12																				
14	Energy Audit	Verified	12																				
15	Small Commercial Demand Response (switch/pstat)*	Verified																					
16	Small Commercial Demand Response (IHD)	Verified																					
17	Demand Response 3	Verified																					
Adjustments to 2012 results (if any)				64	299,513		35%						90%						125%				
Industrial Program																							
18	Process & System Upgrades	Verified	12																				
19	Monitoring & Targeting	Verified	12																				
20	Energy Manager	Verified	12																				
21	Retrofit	Verified	12																				
22	Demand Response 3	Verified																					
Adjustments to 2012 results (if any)																							
Home Assistance Program																							
23	Home Assistance Program	Verified	12	1	14,396	100%								100%									
Adjustments to 2012 results (if any)				1	7,596	100%								100%									
Pre-2011 Programs completed in 2011																							
24	Electricity Retrofit Incentive Program	Verified	12				100%																
25	High Performance New Construction	Verified	12	125	494,240																		
26	Toronto Comprehensive	Verified	12																				
27	Multifamily Energy Efficiency Rebates	Verified	12																				
28	LDC Custom Programs	Verified	12																				
Adjustments to 2012 results (if any)																							
Other																							
29	Program Enabled Savings	Verified	12			100%								100%									
30	Time-of-Use Savings	Verified	12																				
Adjustments to 2012 results (if any)																							
Total kWh						588,776	1,559,828						2,148,604										

2012

Total kWh (excludes DR)					588,776	1,559,828						2,148,604
Total GS > 50 kW							3,903					3,903
Total GS > 50 kW (excludes Building Commissioning)							3,903					3,903
Distribution Rate in 2012 Lost Revenue in 2012 from 2011 programs Lost Revenue in 2012 from 2012 programs Total Lost Revenue in 2012 2012 Savings Persisting in 2013 2012 Savings Persisting in 2014 2012 Savings Persisting in 2015												
					581,003	1,554,719	3,903					
					581,003	1,554,719	3,903					
					580,679	1,382,413	3,903					

Note Rate class allocation percentage totals may not add up to 100% in cases were kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Table 9. 2013 Lost Revenues Work Form

#	Initiative	Results Status	Months of Demand Savings	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA							
				2013 kW Saved	2013 kWh Saved	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Consumer Program						kWh	kWh	kW	kWh	kW	kW	NA	
1	Appliance Retirement	Verified	12	11	69,658	100%							100%
2	Appliance Exchange	Verified	12	15	27,339	100%							100%
3	HVAC Incentives	Verified	12	136	261,120	100%							100%
4	Conservation Instant Coupon Booklet	Verified	12	4	66,959	100%							100%
5	Bi-Annual Retailer Event	Verified	12	10	149,250	100%							100%
6	Retailer Co-op	Verified	12			100%							100%
7	Residential Demand Response (switch/pstat)	Verified		26	28	100%							100%
8	Residential Demand Response (IHD)	Verified				100%							100%
9	Residential New Construction	Verified	12			100%							100%
Adjustments to 2013 results (if any)				6	11,121	100%							100%
Business Program													
10	Retrofit	Verified	12	162	673,976		15%	85%					100%
11	Direct Install Lighting	Verified	12	412	1,355,476		100%						100%
12	Building Commissioning	Verified	3										
13	New Construction	Verified	12										
14	Energy Audit	Verified	12										
15	Small Commercial Demand Response (switch/pstat)*	Verified											
16	Small Commercial Demand Response (IHD)	Verified											
17	Demand Response 3	Verified											
Adjustments to 2013 results (if any)				41	303,111		15%	85%					100%
Industrial Program													
18	Process & System Upgrades	Verified	12										
19	Monitoring & Targeting	Verified	12										
20	Energy Manager	Verified	12										
21	Retrofit	Verified	12										
22	Demand Response 3	Verified											
Adjustments to 2013 results (if any)													
Home Assistance Program													
23	Home Assistance Program	Verified	12	15	189,719	100%							100%
Adjustments to 2013 results (if any)				9	49,243	100%							100%
Pre-2011 Programs completed in 2011													
24	Electricity Retrofit Incentive Program	Verified	12										
25	High Performance New Construction	Verified	12	213	834,398			100%					100%
26	Toronto Comprehensive	Verified	12										
27	Multifamily Energy Efficiency Rebates	Verified	12										
28	LDC Custom Programs	Verified	12										
Adjustments to 2013 results (if any)				-107	-417,199			100%					100%
Other													
29	Program Enabled Savings	Verified	12										
30	Time-of-Use Savings	Verified	12										
Adjustments to 2013 results (if any)													
Total kWh						824,437	1,502,039						2,326,475
Total kWh (excludes DR)						824,408	1,502,039						2,326,447
Total GS > 50 kW								3,353					3,353
Total GS > 50 kW (excludes Building Commissioning)								3,353					3,353
Distribution Rate in 2013						\$0.0158	\$0.0187	\$4.7781	\$0.0284	\$24.7829	\$17.3703		
Lost Revenue in 2013 from 2011 programs						\$13,248	\$12,825	\$12,738					\$38,812
Lost Revenue in 2013 from 2012 programs						\$9,180	\$29,073	\$18,648					\$56,901
Lost Revenue in 2013 from 2013 programs						\$13,026	\$28,088	\$16,022					\$57,136
Total Lost Revenue in 2013						\$35,454	\$69,987	\$47,408					\$152,849
2013 Savings Persisting in 2014						816,475	1,491,054	3,193					

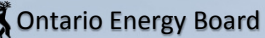
2013 Savings Persisting in 2015	804,171	1,477,900	3,193
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Note Rate class allocation percentage totals may not add up to 100% in cases where kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Table 10. 2014 Lost Revenues Work Form

#	Initiative	Results Status	Months of Demand Savings	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA							
				2014 kW Saved	2014 kWh Saved	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Consumer Program						kWh	kWh	kW	kWh	kW	kW	NA	
1	Appliance Retirement	Verified	12	9	60,678	100%							100%
2	Appliance Exchange	Verified	12	17	30,664	100%							100%
3	HVAC Incentives	Verified	12	200	386,397	100%							100%
4	Conservation Instant Coupon Booklet	Verified	12	19	248,925	100%							100%
5	Bi-Annual Retailer Event	Verified	12	70	1,067,715	100%							100%
6	Retailer Co-op	Verified	12			100%							100%
7	Residential Demand Response (switch/pstat)	Verified		25		100%							100%
8	Residential Demand Response (IHD)	Verified				100%							100%
9	Residential New Construction	Verified	12			100%							100%
Adjustments to 2014 results (if any)													
Business Program													
10	Retrofit	Verified	12	85	582,106		15%	85%					100%
11	Direct Install Lighting	Verified	12	297	1,013,083		100%						100%
12	Building Commissioning	Verified	3										
13	New Construction	Verified	12	1	2,319			100%					100%
14	Energy Audit	Verified	12										
15	Small Commercial Demand Response (switch/pstat)*	Verified											
16	Small Commercial Demand Response (IHD)	Verified											
17	Demand Response 3	Verified											
Adjustments to 2014 results (if any)													
Industrial Program													
18	Process & System Upgrades	Verified	12										
19	Monitoring & Targeting	Verified	12										
20	Energy Manager	Verified	12										
21	Retrofit	Verified	12										
22	Demand Response 3	Verified											
Adjustments to 2014 results (if any)													
Home Assistance Program													
23	Home Assistance Program	Verified	12	15	126,249	100%							100%
Adjustments to 2014 results (if any)													
Pre-2011 Programs completed in 2011													
24	Electricity Retrofit Incentive Program	Verified	12										
25	High Performance New Construction	Verified	12										
26	Toronto Comprehensive	Verified	12										
27	Multifamily Energy Efficiency Rebates	Verified	12										
28	LDC Custom Programs	Verified	12										
Adjustments to 2014 results (if any)													
Other													
29	Program Enabled Savings	Verified	12		235,188	100%							100%
30	Time-of-Use Savings	Verified	12	230									
Adjustments to 2014 results (if any)													
Total kWh						2,155,815	1,100,398						3,256,213
Total kWh (excludes DR)						2,155,815	1,100,398						3,256,213
Total GS > 50 kW								880					880
Total GS > 50 kW (excludes Building Commissioning)								880					880
Distribution Rate in 2014						\$0.0168	\$0.0199	\$5.2742	\$0.0302	\$26.5348	\$18.5987		
Lost Revenue in 2014 from 2011 programs						\$14,045	\$11,596	\$14,061					\$39,702
Lost Revenue in 2014 from 2012 programs						\$9,761	\$30,939	\$20,585					\$61,284
Lost Revenue in 2014 from 2013 programs						\$13,717	\$29,672	\$16,843					\$60,232
Lost Revenue in 2014 from 2014 programs						\$36,218	\$21,898	\$4,643					\$62,759
Total Lost Revenue in 2014						\$73,741	\$94,104	\$56,132					\$223,977
2014 Savings Persisting in 2015						1,761,568	1,072,084	880					

Note Rate class allocation percentage totals may not add up to 100% in cases where kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.



2015 Lost Revenues Work Form

LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a Cost of Service application.

LDC to adjust the rate allocations by class (columns h to n). Please insert IESO verified savings for applicable programs (columns f to g).

This workbook contains links from **Tab 3** (Distribution Rates) and **Tab 6** (Persistence Rates).

User Inputs (Green)
Auto Populated Cells (White)

#	Initiative	Results Status	Months of Demand Savings	Net Incremental Energy Savings (kWh)	Net Incremental Peak Demand Savings (kW)	Rate Allocation for LRAMVA							
				2015 kWh saved	2015 kW saved	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
2011-2014+2015 Extension Legacy Framework Programs						kWh	kWh	kW	kWh	kW	kW	NA	
Residential Program													
1	Coupon Initiative	Verified	12	18	272,944	100%							100%
2	Bi-Annual Retailer Event Initiative	Verified	12	52	775,374	100%							100%
3	Appliance Retirement Initiative	Verified	12	4	24,529	100%							100%
4	HVAC Incentives Initiative	Verified	12	220	437,986	100%							100%
5	Residential New Construction and Major Renovation Initiative	Verified	12			100%							100%
Adjustments to 2015 results (if any)		True-up	12										
Commercial & Institutional Program													
7	Energy Audit Initiative	Verified	12			5% 95%							100%
8	Efficiency: Equipment Replacement Incentive Initiative	Verified	12	257	2,666,517								
9	Direct Install Lighting and Water Heating Initiative	Verified	12										
10	New Construction and Major Renovation Initiative	Verified	12										
11	Existing Building Commissioning Incentive Initiative	Verified	3										
Adjustments to 2015 results (if any)		True-up	12										
Industrial Program													
12	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified	12										

13 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified	12			100%	100%
14 Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified	12	5	16,371		
Adjustments to 2015 results (if any)	True-up	12				
Low Income Program						
15 Low Income Initiative	Verified	12	11	120,951	100%	100%
Adjustments to 2015 results (if any)	True-up	12				
Pilots						
16 Loblaws Pilot	Verified	12			100%	100%
17 Social Benchmarking Pilot	Verified	12				
18 Conservation Fund Pilot - SEG	Verified	12				
19 Conservation Fund Pilot - EnerNOC	Verified	12				
Adjustments to 2015 results (if any)	True-up	12				
2015-2020 Conservation First Framework Programs						
Residential Province-Wide Programs						
21 Save on Energy Coupon Program	Verified	12	13	194,239	100%	100%
22 Save on Energy Heating and Cooling Program	Verified	12	25	49,673	100%	100%
23 Save on Energy New Construction Program	Verified	12			100%	100%
24 Save on Energy Home Assistance Program	Verified	12			100%	100%
Adjustments to 2015 results (if any)	True-up	12				
Non-Residential Province-Wide Programs						
25 Save on Energy Audit Funding Program	Verified	12			100%	100%
26 Save on Energy Retrofit Program	Verified	12			100%	100%
27 Save on Energy Small Business Lighting Program	Verified	12			100%	100%
28 Save on Energy High Performance New Construction Program	Verified	12			100%	100%
29 Save on Energy Existing Building Commissioning Program	Verified	3			100%	100%
30 Save on Energy Process & Systems Upgrades Program	Verified	12			100%	100%
31 Save on Energy Monitoring & Targeting Program	Verified	12			100%	100%
32 Save on Energy Energy Manager Program	Verified	12			100%	100%
Adjustments to 2015 results (if any)	True-up	12				
Local & Regional Programs						
33 Business Refrigeration Local Program	Verified	12			100%	100%
34 First Nation Conservation Local Program	Verified	12			100%	100%
35 Social Benchmarking Local Program	Verified	12			100%	100%
Adjustments to 2015 results (if any)	True-up	12				
Pilot Programs						
36 Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified	12			100%	100%
37 EnWin Utilities Ltd. - Building Optimization Pilot	Verified	12			100%	100%
38 EnWin Utilities Ltd. - Re-Invest Pilot	Verified	12			100%	100%
39 Horizon Utilities Corporation - ECM Furnace Motor Pilot	Verified	12			100%	100%
40 Horizon Utilities Corporation - Social Benchmarking Pilot	Verified	12			100%	100%
41 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot	Verified	12			100%	100%
42 Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Verified	12			100%	100%
43 Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	Verified	12			100%	100%

44 Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector	Verified	12			100%						100%
45 Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic	Verified	12			100%						100%
46 Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls	Verified	12			100%						100%
47 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	Verified	12			100%						100%
48 Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)	Verified	12			100%						100%
49 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)	Verified	12			100%						100%
Adjustments to 2015 results (if any)	True-up	12									
Total kWh					1,875,696	140,343					2,016,039
Total GS > 50 kW							2,982			78	3,060
Total GS > 50 kW (excludes Building Commissioning)							2,982			78	
Distribution Rate in 2015					\$0.0170	\$0.0201	\$5.3392	\$0.0305	\$26.8619	\$18.8280	
Lost Revenue in 2015 from 2011 programs					\$12,925	\$11,712	\$14,234				\$38,871
Lost Revenue in 2015 from 2012 programs					\$9,872	\$27,786	\$20,838				\$58,496
Lost Revenue in 2015 from 2013 programs					\$13,671	\$29,706	\$17,051				\$60,427
Lost Revenue in 2015 from 2014 programs					\$29,947	\$21,549	\$4,701				\$56,196
Lost Revenue in 2015 from 2015 programs					\$31,887	\$2,821	\$15,920			\$1,477	\$52,104
Total Lost Revenue in 2015					\$98,301	\$93,574	\$72,743			\$1,477	\$266,095

Notes Rate class allocation percentage totals may not add up to 100% in cases were kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

The IESO has included only kWh energy savings from a street lighting project in the 2015 CDM results, as streetlights are only on at night and have no impact on peak demand. The street lighting rate class is billed by kW, so the kWh savings from the Retrofit project do not impact lost revenue. Thus, the kWh attributed by the IESO to the project have been manually removed from the Retrofit program results and the actual kW reductions made to the street lighting customer's bills have been input into the total street lighting kW for lost revenue calculations. The calculations can be found in tab "8. Street lighting."

LRAMVA Work Form: Persistence Rates

Persistence Rates

Instruction

To apply persistence factors to previous year's savings, this can be determined by taking the ratio of verified savings to the savings that occurred in the first year the program began. Please update the summary tables (highlighted blue boxes) with the verified results provided by the IESO. For 2011-2014 programs, these tables refer to Tables 4 and 5 (Summary Achievement Against CDM Targets). The verified results include adjustments. In the event that an LDC uses initiative level persistence, the LDC must provide these calculations in a new table below those provided here.

The persistence factors will autopopulate on the LRAM forms.
This form may need to be updated with IESO data on persistence of 2011-2014 programs into 2015-2020 term.

Legend

User Inputs (Green)
Auto Populated Cells (White)

Note: Initiative level persistence was used. See below. Tables 12 and 13 not used.

Table 16. Persistence by Program from the IESO for 2011 Programs

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program										
Appliance Retirement	17	17	17	11		115,083	115,083	114,577	81,088	
Appliance Exchange	6	6	4			9,081	9,081	7,116		
HVAC Incentives	148	148	148	148	148	302,460	302,460	302,460	302,460	302,460
Conservation Instant Coupon Booklet	10	10	10	10	9	166,010	166,010	166,010	152,837	138,446
Bi-Annual Retailer Event	15	15	15	14	12	255,303	255,303	255,303	233,328	209,322
Retailer Co-Op										
Residential Demand Response										
Residential New Construction										
Consumer Program Total	196	196	194	182	170	847,937	847,937	845,466	769,713	650,228
Business Program										
Retrofit	128	128	128	128	128	724,440	724,440	724,440	724,440	724,440
Direct Install Lighting	226	225	189	189	189	574,836	571,172	468,028	468,028	467,591
Building Commissioning										
New Construction										
Energy Audit										
Small Commercial Demand Response										
Demand Response 3										
Business Program Total	354	353	317	317	317	1,299,276	1,295,612	1,192,468	1,192,468	1,192,031
Industrial Program										
Process & System Upgrades										
Monitoring & Targeting										
Energy Manager										
Retrofit										
Demand Response 3										
Industrial Program Total										
Home Assistance Program										
Home Assistance Program										
Home Assistance Program Total										
Pre-2011 Programs completed in 2011										
Electricity Retrofit Incentive Program	16	16	16	16	16	91,066	91,066	91,066	91,066	91,066
High Performance New Construction	98	98	98	98	98	503,823	503,823	503,823	503,823	503,823
Toronto Comprehensive Multifamily Energy Efficiency Rebates										
LDC Custom Programs										
Pre-2011 Programs completed in 2011 Total	114	114	114	114	114	594,888	594,888	594,888	594,888	594,888
Totals	664	663	624	613	600	2,742,101	2,738,437	2,632,822	2,557,069	2,437,148

Table 20. Persistence by Program from the IESO for 2011 Program Adjustments

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program										
Appliance Retirement										
Appliance Exchange										
HVAC Incentives	-15	-15	-15	-15	-15	-30,798	-30,798	-30,798	-30,798	-30,798
Conservation Instant Coupon Booklet	0	0	0	0	0	2,395	2,395	2,395	2,395	2,188
Bi-Annual Retailer Event	1	1	1	1	1	18,968	18,968	18,968	18,968	17,237
Retailer Co-Op										
Residential Demand Response (switch/pstat)										
Residential New Construction										
Consumer Program Total	-14	-14	-14	-14	-14	-9,435	-9,435	-9,435	-9,435	-11,374
Business Program										
Retrofit	0	0	0	0	0	428	428	428	428	428
Direct Install Lighting	3	3	3	3	3	5,936	5,936	5,936	5,936	5,936
Building Commissioning										
New Construction										
Energy Audit										
Small Commercial Demand Response										
Demand Response 3										
Business Program Total	3	3	3	3	3	6,364	6,364	6,364	6,364	6,364
Industrial Program										
Process & System Upgrades										
Monitoring & Targeting										
Energy Manager										
Retrofit										
Demand Response 3										
Industrial Program Total										
Home Assistance Program										
Home Assistance Program										
Home Assistance Program Total										
Pre-2011 Programs completed in 2011										
Electricity Retrofit Incentive Program										
High Performance New Construction	0	0	0	0	0	-246,136	-246,136	-246,136	-246,136	-246,136
Toronto Comprehensive Multifamily Energy Efficiency Rebates										
LDC Custom Programs										
Pre-2011 Programs completed in 2011 Total	0	0	0	0	0	-246,136	-246,136	-246,136	-246,136	-246,136
Totals	-11	-11	-11	-11	-12	-249,207	-249,207	-249,207	-249,207	-251,145

Table 17. Persistence by Program from the IESO for 2012 Programs

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program										
Appliance Retirement		12	12	12	7		83,036	83,036	82,728	50,228
Appliance Exchange		12	12	12			21,501	21,501	21,484	
HVAC Incentives		113	113	113	113		214,532	214,532	214,532	214,532
Conservation Instant Coupon Booklet		2	2	2	2		12,147	12,147	12,147	11,964
Bi-Annual Retailer Event		13	13	13	12		232,665	232,665	232,665	209,151
Retailer Co-Op										
Residential Demand Response (switch/pstat)										
Residential Demand Response (IHD)										
Residential New Construction										
Consumer Program Total		152	152	151	133		563,881	563,881	563,557	485,876
Business Program										
Retrofit		148	148	148	148		655,680	655,680	655,680	655,680
Direct Install Lighting		337	337	297	297		1,239,376	1,239,376	1,067,310	1,065,605
Building Commissioning										
New Construction										
Energy Audit										
Small Commercial Demand Response (switch/pstat)										
Small Commercial Demand Response (IHD)										
Demand Response 3										
Business Program Total		486	486	445	445		1,895,056	1,895,056	1,722,990	1,721,285
Industrial Program										
Process & System Upgrades										
Monitoring & Targeting										
Energy Manager										
Retrofit										
Demand Response 3										
Industrial Program Total										
Home Assistance Program										
Home Assistance Program		1	1	1	1		14,220	14,220	14,220	14,220
Home Assistance Program Total		1	1	1	1		14,220	14,220	14,220	14,220
Pre-2011 Programs completed in 2011										
Electricity Retrofit Incentive Program										
High Performance New Construction		125	125	125	125		494,240	494,240	494,240	494,240
Toronto Comprehensive Multifamily Energy Efficiency Rebates										
LDC Custom Programs										
Pre-2011 Programs completed in 2011 Total		125	125	125	125		494,240	494,240	494,240	494,240
Other										
Program Enabled Savings										
Time-of-Use Savings										
Other Total										
Totals		764	764	723	704		2,967,397	2,967,397	2,795,007	2,715,621

Table 18. Persistence by Program from the IESO for 2013 Programs

[illegible]

Table 21. Persistence by Program from the IESO for 2012 Program Adjustments

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program										
Appliance Retirement										
Appliance Exchange										
HVAC Incentives		1	1	1	1	2,902	2,902	2,902	2,902	
Conservation Instant										
Coupon Booklet										
Bi-Annual Retailer Event										
Retailer Co-Op										
Residential Demand										
Response (switch/pstat)										
Residential Demand										
Response (IHD)										
Residential New										
Construction										
Consumer Program Total		1	1	1	1	2,902	2,902	2,902	2,902	
Business Program										
Retrofit		60	60	60	60	285,274	285,274	285,274	285,274	
Direct Install Lighting		4	4	4	4	14,238	14,238	13,997	13,997	
Building Commissioning										
New Construction										
Energy Audit										
Small Commercial Demand										
Response (switch/pstat)										
Small Commercial Demand										
Response (IHD)										
Demand Response 3										
Business Program Total		64	64	64	64	299,513	299,513	299,272	299,272	
Industrial Program										
Process & System Upgrades										
Monitoring & Targeting										
Energy Manager										
Retrofit										
Demand Response 3										
Industrial Program Total										
Home Assistance Program										
Home Assistance Program										
Home Assistance Program Total										
Pre-2011 Programs completed in 2011										
Electricity Retrofit Incentive										
Program										
High Performance New										
Construction										
Toronto Comprehensive										
Multifamily Energy										
Efficiency Rebates										
LDC Custom Programs										
Pre-2011 Programs completed in 2011										
Other										
Program Enabled Savings										
Time-of-Use Savings										
Other Total										
Totals		65	65	65	65	302,415	302,415	302,174	302,174	

Table 22. Persistence by Program from the IESO for 2013 Program Adjustments

Initiative	Incremental Peak Demand Savings (kW)						Incremental Energy Savings (kWh)				
	2012	2013	2014	2015	2016		2012	2013	2014	2015	2016
Consumer Program											
Appliance Retirement											
Appliance Exchange											
HVAC Incentives			6	6	6				10,916	10,916	10,916
Conservation Instant											
Coupon Booklet		0		0	0				205	195	168
Bi-Annual Retailer Event											
Retailer Co-Op											

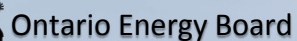
Demand Response 3				
Business Program Total	375	361	1,569,193	1,516,259
Industrial Program				
Process & System Upgrades				
Monitoring & Targeting				
Energy Manager				
Retrofit				
Demand Response 3				
Industrial Program Total				
Home Assistance Program				
Home Assistance Program	15	14	125,786	112,091
Home Assistance Program Total	15	14	125,786	112,091
Pre-2011 Programs completed in 2011				
Electricity Retrofit Incentive Program				
High Performance New Construction				
Toronto Comprehensive Multifamily Energy Efficiency Rebates				
LDC Custom Programs				
Pre-2011 Programs completed in 2011 Total				
Other				
Program Enabled Savings				
Time-of-Use Savings				
Other Total				
Totals	694	674	3,330,761	3,181,993

Table 24. Persistence by Rate Class

Program year	Residential kWh	GS < 50 kW kWh	GS 50 to 4,999 kW kW	Unmetered Scattered Load kWh	Sentinel Lighting kW	Street Lighting kW	MicroFIT Generator NA	"--Unused -- hide NA	"--Unused - - hide kW	"--Unused - - hide kWh	"--Unused - - hide kW
2011											
in 2012	838,502	689,502	2,666								
in 2013	838,502	685,838	2,666								
in 2014	836,030	582,694	2,666								
in 2015	760,278	582,694	2,666								
in 2016	638,855	582,258	2,666								
2012											
in 2013	581,003	1,554,719	3,903								
in 2014	581,003	1,554,719	3,903								
in 2015	580,679	1,382,413	3,903								
in 2016	502,998	1,380,708	3,903								
2013											
in 2014	816,475	1,491,054	3,193								
in 2015	804,171	1,477,900	3,193								
in 2016	737,655	1,269,470	2,996								
2014											
in 2015	1,761,568	1,072,084	880								
in 2016	1,665,734	1,019,150	880								

Note: Persistence of 2014 street lighting results were calculated directly in Table 26 in tab 8. Street lighting.

Demand Response 3				
Business Program Total				
Industrial Program				
Process & System Upgrades				
Monitoring & Targeting				
Energy Manager				
Retrofit				
Demand Response 3				
Industrial Program Total				
Home Assistance Program				
Home Assistance Program				
Home Assistance Program Total				
Pre-2011 Programs completed in 2011				
Electricity Retrofit Incentive Program				
High Performance New Construction				
Toronto Comprehensive Multifamily Energy Efficiency Rebates				
LDC Custom Programs				
Pre-2011 Programs completed in 2011				
Other				
Program Enabled Savings				
Time-of-Use Savings				
Other Total				
Totals				



LRAMVA Work Form: Carrying Charges (by Rate Class)

Carrying Charges by Rate Class

Please update the carrying charges in **Table 14**. The interest amounts per year will autopopulate in the LRAMVA Summary Table in **Tab 1**.

LDC to adjust the rate allocations by class (columns h to n). Please insert IESO verified savings for applicable programs (columns f to g).

Please note that the carrying charges below pertain to the amount credited or debited to ratepayers based on how much was originally collected from the interest on the load forecast. As the amounts shown are running totals, please clear the yearly amounts once the LRAM claims are approved in order to cancel prior year interest collections.

User Inputs (Green)

Auto Populated Cells (White)

Table 14: Prescribed Interest Rates

Table 15: Calculation of Carrying Costs by Rate Class

[illegible]

2017 Q1	1.10%
2017 Q2	1.10%
2017 Q3	
2017 Q4	
2018 Q1	
2018 Q2	
2018 Q3	
2018 Q4	
2019 Q1	
2019 Q2	
2019 Q3	
2019 Q4	
2020 Q1	
2020 Q2	
2020 Q3	
2020 Q4	

[Check OEB website](#)

Oct-12	2011-2012	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-12	2011-2012	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-12	2011-2012	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total for fiscal year 2012				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared											
Opening Balance for fiscal year 2013				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-13	2011-2013	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-13	2011-2013	Q1	0.12%	-\$3.72	\$4.54	\$0.74	-\$0.03	-\$0.03	-\$0.52	\$0.00	\$0.98
Mar-13	2011-2013	Q1	0.12%	-\$7.44	\$9.08	\$1.49	-\$0.07	-\$0.05	-\$1.05	\$0.00	\$1.96
Apr-13	2011-2013	Q2	0.12%	-\$11.16	\$13.61	\$2.23	-\$0.10	-\$0.08	-\$1.57	\$0.00	\$2.94
May-13	2011-2013	Q2	0.12%	-\$14.88	\$18.15	\$2.98	-\$0.14	-\$0.10	-\$2.09	\$0.00	\$3.92
Jun-13	2011-2013	Q2	0.12%	-\$18.60	\$22.69	\$3.72	-\$0.17	-\$0.13	-\$2.62	\$0.00	\$4.90
Jul-13	2011-2013	Q3	0.12%	-\$22.32	\$27.23	\$4.47	-\$0.20	-\$0.15	-\$3.14	\$0.00	\$5.88
Aug-13	2011-2013	Q3	0.12%	-\$26.04	\$31.77	\$5.21	-\$0.24	-\$0.18	-\$3.66	\$0.00	\$6.86
Sep-13	2011-2013	Q3	0.12%	-\$29.77	\$36.30	\$5.95	-\$0.27	-\$0.20	-\$4.18	\$0.00	\$7.84
Oct-13	2011-2013	Q4	0.12%	-\$33.49	\$40.84	\$6.70	-\$0.30	-\$0.23	-\$4.71	\$0.00	\$8.82
Nov-13	2011-2013	Q4	0.12%	-\$37.21	\$45.38	\$7.44	-\$0.34	-\$0.25	-\$5.23	\$0.00	\$9.79
Dec-13	2011-2013	Q4	0.12%	-\$40.93	\$49.92	\$8.19	-\$0.37	-\$0.28	-\$5.75	\$0.00	\$10.77
Total for fiscal year 2013				-\$245.57	\$299.51	\$49.13	-\$2.23	-\$1.67	-\$34.52	\$0.00	\$64.64
Amount Cleared											
Opening Balance for fiscal year 2014				-\$245.57	\$299.51	\$49.13	-\$2.23	-\$1.67	-\$34.52	\$0.00	\$64.64
Jan-14	2011-2014	Q1	0.12%	-\$44.65	\$54.46	\$8.93	-\$0.41	-\$0.30	-\$6.28	\$0.00	\$11.75
Feb-14	2011-2014	Q1	0.12%	-\$44.93	\$61.29	\$10.14	-\$0.44	-\$0.33	-\$6.84	\$0.00	\$18.90
Mar-14	2011-2014	Q1	0.12%	-\$45.20	\$68.12	\$11.35	-\$0.48	-\$0.36	-\$7.40	\$0.00	\$26.04
Apr-14	2011-2014	Q2	0.12%	-\$45.48	\$74.95	\$12.56	-\$0.51	-\$0.38	-\$7.96	\$0.00	\$33.18
May-14	2011-2014	Q2	0.12%	-\$45.76	\$81.79	\$13.77	-\$0.55	-\$0.41	-\$8.52	\$0.00	\$40.32
Jun-14	2011-2014	Q2	0.12%	-\$46.03	\$88.62	\$14.98	-\$0.59	-\$0.44	-\$9.08	\$0.00	\$47.47
Jul-14	2011-2014	Q3	0.12%	-\$46.31	\$95.45	\$16.19	-\$0.62	-\$0.47	-\$9.64	\$0.00	\$54.61
Aug-14	2011-2014	Q3	0.12%	-\$46.59	\$102.29	\$17.40	-\$0.66	-\$0.49	-\$10.20	\$0.00	\$61.75
Sep-14	2011-2014	Q3	0.12%	-\$46.86	\$109.12	\$18.61	-\$0.69	-\$0.52	-\$10.76	\$0.00	\$68.89
Oct-14	2011-2014	Q4	0.12%	-\$47.14	\$115.95	\$19.82	-\$0.73	-\$0.55	-\$11.32	\$0.00	\$76.04
Nov-14	2011-2014	Q4	0.12%	-\$47.42	\$122.78	\$21.03	-\$0.76	-\$0.57	-\$11.88	\$0.00	\$83.18
Dec-14	2011-2014	Q4	0.12%	-\$47.69	\$129.62	\$22.24	-\$0.80	-\$0.60	-\$12.44	\$0.00	\$90.32
Total for fiscal year 2014				-\$799.62	\$1,403.95	\$236.15	-\$9.47	-\$7.10	-\$146.82	\$0.00	\$677.09
Amount Cleared											
Opening Balance for fiscal year 2015				-\$799.62	\$1,403.95	\$236.15	-\$9.47	-\$7.10	-\$146.82	\$0.00	\$677.09
Jan-15	2011-2015	Q1	0.12%	-\$47.97	\$136.45	\$23.45	-\$0.84	-\$0.63	-\$13.00	\$0.00	\$97.46
Feb-15	2011-2015	Q1	0.12%	-\$45.83	\$143.20	\$26.30	-\$0.87	-\$0.66	-\$13.41	\$0.00	\$108.72
Mar-15	2011-2015	Q1	0.12%	-\$43.70	\$149.95	\$29.15	-\$0.91	-\$0.68	-\$13.83	\$0.00	\$119.98
Apr-15	2011-2015	Q2	0.09%	-\$31.10	\$117.26	\$23.94	-\$0.71	-\$0.53	-\$10.66	\$0.00	\$98.20
May-15	2011-2015	Q2	0.09%	-\$29.50	\$122.31	\$26.08	-\$0.73	-\$0.55	-\$10.97	\$0.00	\$106.63
Jun-15	2011-2015	Q2	0.09%	-\$27.90	\$127.36	\$28.21	-\$0.76	-\$0.57	-\$11.28	\$0.00	\$115.05
Jul-15	2011-2015	Q3	0.09%	-\$26.30	\$132.41	\$30.34	-\$0.79	-\$0.59	-\$11.60	\$0.00	\$123.48
Aug-15	2011-2015	Q3	0.09%	-\$24.70	\$137.47	\$32.47	-\$0.82	-\$0.61	-\$11.91	\$0.00	\$131.90
Sep-15	2011-2015	Q3	0.09%	-\$23.10	\$142.52	\$34.61	-\$0.84	-\$0.63	-\$12.22	\$0.00	\$140.33
Oct-15	2011-2015	Q4	0.09%	-\$21.50	\$147.57	\$36.74	-\$0.87	-\$0.66	-\$12.53	\$0.00	\$148.75
Nov-15	2011-2015	Q4	0.09%	-\$19.90	\$152.62	\$38.87	-\$0.90	-\$0.68	-\$12.84	\$0.00	\$157.17
Dec-15	2011-2015	Q4	0.09%	-\$18.30	\$157.67	\$41.00	-\$0.92	-\$0.70	-\$13.15	\$0.00	\$165.60
Total for fiscal year 2015				-\$1,159.43	\$3,070.74	\$607.30	-\$19.43	-\$14.60	-\$294.22	\$0.00	\$2,190.36
Amount Cleared											
Opening Balance for fiscal year 2016				-\$1,159.43	\$3,070.74	\$607.30	-\$19.43	-\$14.60	-\$294.22	\$0.00	\$2,190.36
Jan-16	2011-2016	Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Feb-16	2011-2016	Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Mar-16	2011-2016	Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Apr-16	2011-2016	Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02

May-16	2011-2016	Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Jun-16	2011-2016	Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Jul-16	2011-2016	Q3	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Aug-16	2011-2016	Q3	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Sep-16	2011-2016	Q3	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Oct-16	2011-2016	Q4	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Nov-16	2011-2016	Q4	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Dec-16	2011-2016	Q4	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Total for fiscal year 2016				-\$1,359.87	\$5,023.44	\$1,124.92	-\$30.86	-\$23.20	-\$455.80	\$0.00	\$4,278.63
Amount Cleared											
Opening Balance for fiscal year 2017				-\$1,359.87	\$5,023.44	\$1,124.92	-\$30.86	-\$23.20	-\$455.80	\$0.00	\$4,278.63
Jan-17	2011-2017	Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Feb-17	2011-2017	Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Mar-17	2011-2017	Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Apr-17	2011-2017	Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$0.72	-\$13.46	\$0.00	\$174.02
Total for fiscal year 2017				-\$1,426.68	\$5,674.33	\$1,297.46	-\$34.67	-\$26.06	-\$509.65	\$0.00	\$4,974.72
Amount Cleared											
Opening Balance for fiscal year 2018				-\$1,426.68	\$5,674.33	\$1,297.46	-\$34.67	-\$26.06	-\$509.65	\$0.00	\$4,974.72

Table 25. Energy savings attributed to street lighting project in IESO re

Year	Gross	NTG	Net
2011			
2012			
2013			
2014			
2014	106,605	0.86	91,702

Table 26. Actual street lighting lost revenue based on kW billing

Month	Billed kW	Gross kW reduction	NTG	Net kW reduction
Jan-15			0.84	0.00
Feb-15			0.84	0.00
Mar-15			0.84	0.00
Apr-15			0.84	0.00
May-15			0.84	0.00
Jun-15			0.84	0.00
Jul-15			0.84	0.00
Aug-15			0.84	0.00
Sep-15			0.84	0.00
Oct-15			0.84	0.00
Nov-15	1782		0.84	0.00
Dec-15	1688.617	93.383	0.84	78.43
2015 total				78
Jan-16	1469.325	312.675	0.84	262.61
Feb-16	1448.457	333.543	0.84	280.13
Mar-16	1447.545	334.455	0.84	280.90
Apr-16	1446.709	335.291	0.84	281.60
May-16	1437.65	344.35	0.84	289.21
Jun-16	1345.08	436.92	0.84	366.96
Jul-16	1260.35	521.65	0.84	438.12
Aug-16	1260.35	521.65	0.84	438.12
Sep-16	1260.35	521.65	0.84	438.12
Oct-16	1260.35	521.65	0.84	438.12
Nov-16	1260.35	521.65	0.84	438.12
Dec-16	1260.35	521.65	0.84	438.12
2016 total				4,390

EXHIBIT 7

SSM PUC 2013-2015 LRAMVA Calculator

LRAMVA estimator

Prepared for Sault Ste. Marie PUC Distribution Inc.

Prepared by:

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LRAMVA register

Lost Revenue adjustments								
Month	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Jan-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Feb-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Mar-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Apr-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Total for Rate year 2012	-\$12,149.23	\$14,817.99	\$2,430.48	-\$110.35	-\$2,436.99	-\$57.90		\$2,494.00
Amount cleared								
Opening balance for rate year 20	-\$12,149.23	\$14,817.99	\$2,430.48	-\$110.35	-\$2,436.99	-\$57.90		\$2,494.00
May-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Jun-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Jul-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Aug-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Sep-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Oct-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Nov-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Dec-13	-\$3,037.31	\$3,704.50	\$607.62	-\$27.59	-\$609.25	-\$14.48		\$623.50
Jan-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Feb-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Mar-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Apr-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Total for Rate year 2013	-\$37,351.73	\$66,765.10	\$11,241.30	-\$448.41	-\$9,920.21	-\$235.70		\$30,050.35
Amount cleared								
Opening balance for rate year 20	-\$37,351.73	\$66,765.10	\$11,241.30	-\$448.41	-\$9,920.21	-\$235.70		\$30,050.35
May-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Jun-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Jul-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Aug-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Sep-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Oct-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09

Nov-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Dec-14	-\$226.01	\$5,577.78	\$987.46	-\$29.34	-\$652.31	-\$15.50		\$5,642.09
Jan-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Feb-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Mar-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Apr-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Total for Rate year 2014	-\$32,180.54	\$133,430.73	\$28,446.17	-\$801.61	-\$17,780.14	\$69.77		\$111,184.37
Amount cleared								
Opening balance for rate year 20	-\$32,180.54	\$133,430.73	\$28,446.17	-\$801.61	-\$17,780.14	\$69.77		\$111,184.37
May-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Jun-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Jul-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Aug-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Sep-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Oct-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Nov-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Dec-15	\$1,744.81	\$5,510.84	\$2,326.29	-\$29.63	-\$660.36	\$107.37		\$8,999.33
Jan-16								
Feb-16								
Mar-16								
Apr-16								
Total for Rate year 2015	-\$18,222.02	\$177,517.46	\$47,056.47	-\$1,038.64	-\$23,062.98	\$928.70		\$183,178.99
Amount cleared								
Opening balance for rate year 20	-\$18,222.02	\$177,517.46	\$47,056.47	-\$1,038.64	-\$23,062.98	\$928.70		\$183,178.99
May-16								
Jun-16								
Jul-16								
Aug-16								
Sep-16								
Oct-16								
Nov-16								
Dec-16								
Jan-17								

Feb-17								
Mar-17								
Apr-17								
Total for Rate year 2016	-\$18,222.02	\$177,517.46	\$47,056.47	-\$1,038.64	-\$23,062.98	\$928.70		\$183,178.99
Amount cleared								
Opening balance for rate year 2015	-\$18,222.02	\$177,517.46	\$47,056.47	-\$1,038.64	-\$23,062.98	\$928.70		\$183,178.99

Notes:

Show results through 2015

Enter amounts cleared as negative numbers on the date they are cleared (i.e. below the total for rate year 2014 if amounts from any previous year are cleared at the end of the 2014 rate year).
Values are the actual lost revenue amount for the given calendar year less the forecasted lost revenue value for that year, all divided by 12 to give a monthly amount.

Carrying charges prescribed interest rates

	Board specified	Estimated	Used in calculations
2011 Q1	1.47%		1.47%
2011 Q2	1.47%		1.47%
2011 Q3	1.47%		1.47%
2011 Q4	1.47%		1.47%
2012 Q1	1.47%		1.47%
2012 Q2	1.47%		1.47%
2012 Q3	1.47%		1.47%
2012 Q4	1.47%		1.47%
2013 Q1	1.47%		1.47%
2013 Q2	1.47%		1.47%
2013 Q3	1.47%		1.47%
2013 Q4	1.47%		1.47%
2014 Q1	1.47%		1.47%
2014 Q2	1.47%		1.47%
2014 Q3	1.47%		1.47%
2014 Q4	1.47%		1.47%
2015 Q1	1.47%		1.47%
2015 Q2	1.10%		1.10%
2015 Q3	1.10%		1.10%
2015 Q4	1.10%		1.10%
2016 Q1	1.10%		1.10%
2016 Q2	1.10%		1.10%
2016 Q3	1.10%		1.10%
2016 Q4		1.10%	1.10%
2017 Q1		1.10%	1.10%
2017 Q2		1.10%	1.10%
2017 Q3		1.10%	1.10%
2017 Q4		1.10%	1.10%
2018 Q1		1.10%	1.10%
2018 Q2		1.10%	1.10%

See: <http://www.ontarioenergyboard.ca/OEB/Industry/Rules+and+Requirements/Rules+Codes+Guidelines+and+Forms/Prescribed+Interest+Rates>

Carrying charges by rate class (for savings through 2015)

Month	Quarter	Monthly rate	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Jan-13	2013 Q1	0.12%								
Feb-13	2013 Q1	0.12%	-\$3.72	\$4.54	\$0.74	-\$0.03	-\$0.75	-\$0.02		\$0.76
Mar-13	2013 Q1	0.12%	-\$7.44	\$9.08	\$1.49	-\$0.07	-\$1.49	-\$0.04		\$1.53
Apr-13	2013 Q2	0.12%	-\$11.16	\$13.61	\$2.23	-\$0.10	-\$2.24	-\$0.05		\$2.29
Total for Rate year 2012			-\$22.32	\$27.23	\$4.47	-\$0.20	-\$4.48	-\$0.11		\$4.58
Amount cleared										
Opening balance for rate year 2013			-\$22.32	\$27.23	\$4.47	-\$0.20	-\$4.48	-\$0.11		\$4.58
May-13	2013 Q2	0.12%	-\$14.88	\$18.15	\$2.98	-\$0.14	-\$2.99	-\$0.07		\$3.06
Jun-13	2013 Q2	0.12%	-\$18.60	\$22.69	\$3.72	-\$0.17	-\$3.73	-\$0.09		\$3.82
Jul-13	2013 Q3	0.12%	-\$22.32	\$27.23	\$4.47	-\$0.20	-\$4.48	-\$0.11		\$4.58
Aug-13	2013 Q3	0.12%	-\$26.04	\$31.77	\$5.21	-\$0.24	-\$5.22	-\$0.12		\$5.35
Sep-13	2013 Q3	0.12%	-\$29.77	\$36.30	\$5.95	-\$0.27	-\$5.97	-\$0.14		\$6.11
Oct-13	2013 Q4	0.12%	-\$33.49	\$40.84	\$6.70	-\$0.30	-\$6.72	-\$0.16		\$6.87
Nov-13	2013 Q4	0.12%	-\$37.21	\$45.38	\$7.44	-\$0.34	-\$7.46	-\$0.18		\$7.64
Dec-13	2013 Q4	0.12%	-\$40.93	\$49.92	\$8.19	-\$0.37	-\$8.21	-\$0.20		\$8.40
Jan-14	2014 Q1	0.12%	-\$44.65	\$54.46	\$8.93	-\$0.41	-\$8.96	-\$0.21		\$9.17
Feb-14	2014 Q1	0.12%	-\$44.93	\$61.29	\$10.14	-\$0.44	-\$9.76	-\$0.23		\$16.08
Mar-14	2014 Q1	0.12%	-\$45.20	\$68.12	\$11.35	-\$0.48	-\$10.55	-\$0.25		\$22.99
Apr-14	2014 Q2	0.12%	-\$45.48	\$74.95	\$12.56	-\$0.51	-\$11.35	-\$0.27		\$29.90
Total for Rate year 2013			-\$425.82	\$558.33	\$92.11	-\$4.07	-\$89.88	-\$2.14		\$128.54
Amount cleared										
Opening balance for rate year 2014			-\$425.82	\$558.33	\$92.11	-\$4.07	-\$89.88	-\$2.14		\$128.54
May-14	2014 Q2	0.12%	-\$45.76	\$81.79	\$13.77	-\$0.55	-\$12.15	-\$0.29		\$36.81
Jun-14	2014 Q2	0.12%	-\$46.03	\$88.62	\$14.98	-\$0.59	-\$12.95	-\$0.31		\$43.72
Jul-14	2014 Q3	0.12%	-\$46.31	\$95.45	\$16.19	-\$0.62	-\$13.75	-\$0.33		\$50.63
Aug-14	2014 Q3	0.12%	-\$46.59	\$102.29	\$17.40	-\$0.66	-\$14.55	-\$0.35		\$57.55
Sep-14	2014 Q3	0.12%	-\$46.86	\$109.12	\$18.61	-\$0.69	-\$15.35	-\$0.36		\$64.46
Oct-14	2014 Q4	0.12%	-\$47.14	\$115.95	\$19.82	-\$0.73	-\$16.15	-\$0.38		\$71.37
Nov-14	2014 Q4	0.12%	-\$47.42	\$122.78	\$21.03	-\$0.76	-\$16.95	-\$0.40		\$78.28

Dec-14	2014 Q4	0.12%	-\$47.69	\$129.62	\$22.24	-\$0.80	-\$17.75	-\$0.42		\$85.19
Jan-15	2015 Q1	0.12%	-\$47.97	\$136.45	\$23.45	-\$0.84	-\$18.54	-\$0.44		\$92.10
Feb-15	2015 Q1	0.12%	-\$45.83	\$143.20	\$26.30	-\$0.87	-\$19.35	-\$0.31		\$103.13
Mar-15	2015 Q1	0.12%	-\$43.70	\$149.95	\$29.15	-\$0.91	-\$20.16	-\$0.18		\$114.15
Apr-15	2015 Q2	0.09%	-\$31.10	\$117.26	\$23.94	-\$0.71	-\$15.69	-\$0.03		\$93.67
Total for Rate year 2014			-\$968.22	\$1,950.81	\$338.98	-\$12.80	-\$283.22	-\$5.94		\$1,019.61
Amount cleared										
Opening balance for rate year 2015			-\$968.22	\$1,950.81	\$338.98	-\$12.80	-\$283.22	-\$5.94		\$1,019.61
May-15	2015 Q2	0.09%	-\$29.50	\$122.31	\$26.08	-\$0.73	-\$16.30	\$0.06		\$101.92
Jun-15	2015 Q2	0.09%	-\$27.90	\$127.36	\$28.21	-\$0.76	-\$16.90	\$0.16		\$110.17
Jul-15	2015 Q3	0.09%	-\$26.30	\$132.41	\$30.34	-\$0.79	-\$17.51	\$0.26		\$118.42
Aug-15	2015 Q3	0.09%	-\$24.70	\$137.47	\$32.47	-\$0.82	-\$18.11	\$0.36		\$126.67
Sep-15	2015 Q3	0.09%	-\$23.10	\$142.52	\$34.61	-\$0.84	-\$18.72	\$0.46		\$134.92
Oct-15	2015 Q4	0.09%	-\$21.50	\$147.57	\$36.74	-\$0.87	-\$19.33	\$0.56		\$143.17
Nov-15	2015 Q4	0.09%	-\$19.90	\$152.62	\$38.87	-\$0.90	-\$19.93	\$0.65		\$151.42
Dec-15	2015 Q4	0.09%	-\$18.30	\$157.67	\$41.00	-\$0.92	-\$20.54	\$0.75		\$159.66
Jan-16	2016 Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Feb-16	2016 Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Mar-16	2016 Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Apr-16	2016 Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Total for Rate year 2015			-\$1,226.24	\$3,721.64	\$779.84	-\$23.24	-\$515.12	\$0.73		\$2,737.60
Amount cleared										
Opening balance for rate year 2016			-\$1,226.24	\$3,721.64	\$779.84	-\$23.24	-\$515.12	\$0.73		\$2,737.60
May-16	2016 Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Jun-16	2016 Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Jul-16	2016 Q3	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Aug-16	2016 Q3	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Sep-16	2016 Q3	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Oct-16	2016 Q4	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Nov-16	2016 Q4	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Dec-16	2016 Q4	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Jan-17	2017 Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Feb-17	2017 Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Mar-17	2017 Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Apr-17	2017 Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$167.91
Total for Rate year 2016			-\$1,426.68	\$5,674.33	\$1,297.46	-\$34.67	-\$768.82	\$10.95		\$4,752.57
Amount cleared										
Opening balance for rate year 2017			-\$1,426.68	\$5,674.33	\$1,297.46	-\$34.67	-\$768.82	\$10.95		\$4,752.57

May-17	2017 Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$503.74
Jun-17	2017 Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Jul-17	2017 Q3	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Aug-17	2017 Q3	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Sep-17	2017 Q3	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Oct-17	2017 Q4	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Nov-17	2017 Q4	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Dec-17	2017 Q4	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Jan-18	2018 Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Feb-18	2018 Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Mar-18	2018 Q1	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Apr-18	2018 Q2	0.09%	-\$16.70	\$162.72	\$43.14	-\$0.95	-\$21.14	\$0.85		\$839.57
Total for Rate year 2017			-\$1,627.12	\$7,627.02	\$1,815.08	-\$46.09	-\$1,022.51	\$21.17		\$14,491.59
Amount cleared										
Opening balance for rate year 2018			-\$1,627.12	\$7,627.02	\$1,815.08	-\$46.09	-\$1,022.51	\$21.17		\$14,491.59

If you would like to just see the carrying charges up to the end of a particular calendar year, select that year: All

Note: Enter amount cleared as a negative number

Distribution Rates

Rate Class	Billing unit	May 1, 2010-April 30, 2011	May 1, 2011-July 31, 2012	August 1, 2012-June 30, 2013	July 1, 2013-April 30, 2014	May 1, 2014-April 30, 2015	May 1, 2015-April 30, 2016	May 1, 2016-April 30, 2017
Rate year		2010	2011	2012	2013	2014	2015	2016
Pro-ratio of Rates Period 1 - (enter months previous rate year has in calendar year)		4	4	7	6	4	4	4
Pro-ratio of Rates Period 2 - (months in calendar year of current rate year)		8	8	5	6	8	8	8
Residential	kWh	0.0150	0.0148	0.0148	0.0167	0.0169	0.0171	0.0137
GS < 50 kW	kWh	0.0177	0.0175	0.0176	0.0197	0.0200	0.0202	0.0203
GS 50 to 4,999 kW	kW	4.3430	4.3209	4.3307	5.2254	5.2986	5.3595	5.3708
Unmetered Scattered Load	kWh	0.0269	0.0267	0.0268	0.0299	0.0303	0.0306	0.0307
Sentinel Lighting	kW	23.4679	23.2841	23.2764	26.2894	26.6575	26.9641	26.9643
Street Lighting	kW	16.4488	16.3194	16.3138	18.4267	18.6847	18.8996	18.9614
MicroFIT Generator	NA							

Rate case: EB-2009-0247 EB-2010-0111 EB-2012-0084 EB-2012-0162 EB-2013-0167 EB-2014-0109 EB-2015-0098
Decision date: 2010/04/01 2011/03/28 2012/08/16 2013/07/04 2014/03/13 2015/03/19 2016/03/17

Note: Do not change the order of rate classes
Only the Distribution Volumetric Rate and the Rate Rider for Tax Change/Adjustment are used, based on verbal instructions from Josh Wasylyk, Advisor, Conservation & Reporting at the Ontario Energy Board (2013-07-12)

Rate Class	Billing unit	2011	2012	2013	2014	2015	2016
Residential	kWh			0.0158	0.0168	0.0170	0.0148
GS < 50 kW	kWh			0.0187	0.0199	0.0201	0.0203
GS 50 to 4,999 kW	kW			4.7781	5.2742	5.3392	5.3670
Unmetered Scattered Load	kWh			0.0284	0.0302	0.0305	0.0307
Sentinel Lighting	kW			24.7829	26.5348	26.8619	26.9642
Street Lighting	kW			17.3703	18.5987	18.8280	18.9408
MicroFIT Generator	NA						

Note: 2011-2012 rates removed, as 2011-2012 LRAMVA was disposed in 2013 and 2014 rate cases.

Forecasted impact of CDM in the load forecast

2008 LRAMVA Threshold

	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Totals
	kWh	kWh	kW	kWh	kW	kW	NA	
kWh								
kW								

Source:

2013 LRAMVA Threshold

	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Totals
	kWh	kWh	kW	kWh	kW	kW	NA	
kWh	4,550,758	1,365,379	3,362,279	11,657	105,593	3,394		9,399,060
kW			8,396		295	10		8,701

Source:

2013 Cost of Service decision Settlement Table #7, p. 20, of the Decision and Order for EB-2012-0162, dated July 4, 2013.

2018 LRAMVA Threshold

	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Totals
	kWh	kWh	kW	kWh	kW	kW	NA	
kWh								
kW								

Source:

Forecast year	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator
	kWh	kWh	kW	kWh	kW	kW	NA
2011							
2012							
2013	4,550,758	1,365,379	8,396	11,657	295	10	
2014	4,550,758	1,365,379	8,396	11,657	295	10	
2015	4,550,758	1,365,379	8,396	11,657	295	10	
2016	4,550,758	1,365,379	8,396	11,657	295	10	

Forecasted lost revenues by year

Forecast year	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
	\$	\$	\$	\$	\$	\$	\$	\$
2011								
2012								
2013	\$71,902	\$25,533	\$40,117	\$331	\$7,311	\$174		\$145,367
2014	\$76,453	\$27,171	\$44,282	\$352	\$7,828	\$186		\$156,272
2015	\$77,363	\$27,444	\$44,828	\$356	\$7,924	\$188		\$158,103
2016	\$67,351	\$27,717	\$45,061	\$358	\$7,954	\$189		\$148,631

Notes:

Forecasted lost revenues are calculated by multiplying the forecast load reductions by the relevant rate in the Rates worksheet
Where billing is in kW, forecast quantities are already kW-mo values so no multiplication by months to account for Application of Demand Savings is required

2011 From OPA final results for 2011 spreadsheet

Initiative	Net Savings		Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program												
Appliance Retirement	17	115,083	17	17	17	11		115,083	115,083	114,577	81,088	
Appliance Exchange	6	9,081	6	6	4			9,081	9,081	7,116		
HVAC Incentives	148	302,460	148	148	148	148	148	302,460	302,460	302,460	302,460	302,460
Conservation Instant Coupon Booklet	10	166,010	10	10	10	10	9	166,010	166,010	166,010	152,837	138,446
Bi-Annual Retailer Event	15	255,303	15	15	15	14	12	255,303	255,303	255,303	233,328	209,322
Retailer Co-op												
Residential Demand Response												
Residential New Construction												
Consumer Program Total	196	847,937	196	196	194	182	170	847,937	847,937	845,466	769,713	650,228
Business Program												
Retrofit	128	724,440	128	128	128	128	128	724,440	724,440	724,440	724,440	724,440
Direct Install Lighting	227	576,898	226	225	189	189	189	574,836	571,172	468,028	468,028	467,591
Building Commissioning												
New Construction												
Energy Audit												
Small Commercial Demand Response												
Demand Response 3												
Business Program Total	355	1,301,338	354	353	317	317	317	1,299,276	1,295,612	1,192,468	1,192,468	1,192,031
Industrial Program												
Process & System Upgrades												
Monitoring & Targeting												
Energy Manager												
Retrofit												
Demand Response 3												
Industrial Program Total												
Home Assistance Program												
Home Assistance Program												
Home Assistance Program Total												
Pre-2011 Programs completed in 2011												
Electricity Retrofit Incentive Program	16	91,066	16	16	16	16	16	91,066	91,066	91,066	91,066	91,066
High Performance New Construction	98	503,823	98	98	98	98	98	503,823	503,823	503,823	503,823	503,823
Toronto Comprehensive												
Multifamily Energy Efficiency Rebates												
LDC Custom Programs												
Pre-2011 Programs completed in 2011 Total	114	594,888	114	114	114	114	114	594,888	594,888	594,888	594,888	594,888
Totals	665	2,744,164	664	663	624	613	600	2,742,101	2,738,437	2,632,822	2,557,069	2,437,148

Notes:

If persistence of results is available, fill in net savings and persistence values. If persists

Allocation of program results across rate classes

2011

Initiative	Application of Demand Savings (months)	Rate class allocation for LRAMVA							
		Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Consumer Program									
Appliance Retirement	12	100%							100%
Appliance Exchange	12	100%							100%
HVAC Incentives	3	100%							100%
Conservation Instant Coupon Booklet	12	100%							100%
Bi-Annual Retailer Event	12	100%							100%
Retailer Co-op	12	100%							100%
Residential Demand Response	N/A	100%							100%
Residential New Construction	12	100%							100%
Business Program									
Retrofit	12		15%	85%					100%
Direct Install Lighting	12		100%						100%
Building Commissioning	3								
New Construction	12								
Energy Audit	12								
Small Commercial Demand Response	N/A								
Demand Response 3	Special calculation*								
Industrial Program									
Process & System Upgrades	12								
Monitoring & Targeting	12								
Energy Manager	12								
Retrofit	12								
Demand Response 3	Special calculation*								
Home Assistance Program									
Home Assistance Program	12	100%							100%
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	12			100%					100%
High Performance New Construction	12			100%					100%
Toronto Comprehensive	12								

Multifamily Energy Efficiency Rebates	12								
LDC Custom Programs	12								
Other									
Program Enabled Savings	12								
Time-of-Use Savings	12								

Lost load (natural units)

Initiative		Rate class							
		Residential kWh	GS < 50 kW kWh	GS 50 to 4,999 kW kW	Unmetered Scattered Load kWh	Sentinel Lighting kW	Street Lighting kW	MicroFIT Generator NA	Total
Consumer Program									
Appliance Retirement		115,083	-	-	-	-	-	-	
Appliance Exchange		9,081	-	-	-	-	-	-	
HVAC Incentives		271,662	-	-	-	-	-	-	
Conservation Instant Coupon Booklet		168,404	-	-	-	-	-	-	
Bi-Annual Retailer Event		274,271	-	-	-	-	-	-	
Retailer Co-op		-	-	-	-	-	-	-	
Residential Demand Response		-	-	-	-	-	-	-	
Residential New Construction		-	-	-	-	-	-	-	
Business Program									
Retrofit		-	108,730	1,304	-	-	-	-	
Direct Install Lighting		-	582,834	-	-	-	-	-	
Building Commissioning		-	-	-	-	-	-	-	
New Construction		-	-	-	-	-	-	-	
Energy Audit		-	-	-	-	-	-	-	
Small Commercial Demand Response		-	-	-	-	-	-	-	
Demand Response 3		-	-	-	-	-	-	-	
Industrial Program									
Process & System Upgrades		-	-	-	-	-	-	-	
Monitoring & Targeting		-	-	-	-	-	-	-	
Energy Manager		-	-	-	-	-	-	-	
Retrofit		-	-	-	-	-	-	-	
Demand Response 3		-	-	-	-	-	-	-	
Home Assistance Program									
Home Assistance Program		-	-	-	-	-	-	-	

Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program		-	-	188	-	-	-	-	
High Performance New Construction		-	-	1,174	-	-	-	-	
Toronto Comprehensive		-	-	-	-	-	-	-	
Multifamily Energy Efficiency Rebates		-	-	-	-	-	-	-	
LDC Custom Programs		-	-	-	-	-	-	-	
Other									
Program Enabled Savings		-	-	-	-	-	-	-	
Time-of-Use Savings		-	-	-	-	-	-	-	
Total		838,502	691,564	2,666					
Rate									
Lost Revenue in 2011									
2011 savings persisting in 2012		838,502	689,502	2,666					
2011 savings persisting in 2013		838,502	685,838	2,666					
2011 savings persisting in 2014		836,030	582,694	2,666					
2011 savings persisting in 2015		760,278	582,694	2,666					
2011 savings persisting in 2016		638,855	582,258	2,666					

Notes: Rate class allocation percentage totals may not add up to 100% in cases where kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Where distribution rates are monthly rates for the peak kW in that month, the annual loss of revenue is the monthly rate times the number of months it applies to. The number of months applicable for demand savings is found in the Application of Demand

*Special calculations may be separately prepared for Demand Response 3 savings

From final results for 2012
2012 provided by the OPA

Persistence of 2012 results

Initiative	Net Savings		Incremental Peak Demand Savings (kW)				Incremental Energy Savings (kWh)			
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	2013	2014	2015	2016	2013	2014	2015	2016
Consumer Program										
Appliance Retirement	12	83,036	12	12	12	7	83,036	83,036	82,728	50,228
Appliance Exchange	12	21,501	12	12	12		21,501	21,501	21,484	
HVAC Incentives	113	214,532	113	113	113	113	214,532	214,532	214,532	214,532
Conservation Instant Coupon Booklet	2	12,147	2	2	2	2	12,147	12,147	12,147	11,964
Bi-Annual Retailer Event	13	232,665	13	13	13	12	232,665	232,665	232,665	209,151
Retailer Co-Op										
Residential Demand Response (switch/pstat)										
Residential Demand Response (IHD)										
Residential New Construction										
Consumer Program Total	152	563,881	152	152	151	133	563,881	563,881	563,557	485,876
Business Program										
Retrofit	148	655,680	148	148	148	148	655,680	655,680	655,680	655,680
Direct Install Lighting	339	1,244,484	337	337	297	297	1,239,376	1,239,376	1,067,310	1,065,605
Building Commissioning										
New Construction										
Energy Audit										
Small Commercial Demand Response (switch/pstat)										
Small Commercial Demand Response (IHD)										
Demand Response 3										
Business Program Total	487	1,900,164	486	486	445	445	1,895,056	1,895,056	1,722,990	1,721,285
Industrial Program										
Process & System Upgrades										
Monitoring & Targeting										
Energy Manager										
Retrofit										
Demand Response 3										
Industrial Program Total										
Home Assistance Program										
Home Assistance Program	1	14,396	1	1	1	1	14,220	14,220	14,220	14,220
Home Assistance Program Total	1	14,396	1	1	1	1	14,220	14,220	14,220	14,220
Pre-2011 Programs completed in 2011										
Electricity Retrofit Incentive Program										
High Performance New Construction	125	494,240	125	125	125	125	494,240	494,240	494,240	494,240

Toronto Comprehensive									
Multifamily Energy Efficiency Rebates									
LDC Custom Programs									
Pre-2011 Programs completed in 2011 Total	125	494,240	125	125	125	125	494,240	494,240	494,240
Other									
Program Enabled Savings									
Time-of-Use Savings									
Other Total									
Totals	765	2,972,681	764	764	723	704	2,967,397	2,967,397	2,795,007

Notes:

Ensure OPA has not changed the format/order of programs and data in future year rep

Only Net Savings and Persistence columns are mandatory. Other cells are optional.

Table 2 from OPA

		Persistence of 2011 adjustments					
		Incremental Peak Demand Savings (kW)					
		2012	2013	2014	2015	2016	2012

Notes:

This table is designed to use the same format as OPA's Table 2. Be careful when pasting or entering values that the OPA hasn't changed the format, program numbers/order, etc.

Allocation of program results across rate classes

2012

Initiative	Application of Demand Savings (months)	Rate class allocation for LRAMVA							
		Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Consumer Program									
Appliance Retirement	12	100%							100%
Appliance Exchange	12	100%							100%
HVAC Incentives	3	100%							100%
Conservation Instant Coupon Booklet	12	100%							100%
Bi-Annual Retailer Event	12	100%							100%
Retailer Co-Op	12	100%							100%
Residential Demand Response (switch/pstat)	N/A	100%							100%
Residential Demand Response (IHD)	N/A	100%							100%
Residential New Construction	12	100%							100%
Business Program									
Retrofit	12		32%	96%					128%
Direct Install Lighting	12		100%						100%
Building Commissioning	3								
New Construction	12								
Energy Audit	12								
Small Commercial Demand Response (switch/pstat)	N/A								
Small Commercial Demand Response (IHD)	N/A								
Demand Response 3	Special calculation*								
Industrial Program									
Process & System Upgrades	12								
Monitoring & Targeting	12								
Energy Manager	12								
Retrofit	12								
Demand Response 3	Special calculation*								
Home Assistance Program									
Home Assistance Program	12	100%							100%
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	12								

High Performance New Construction	12			100%					100%
Toronto Comprehensive	12								
Multifamily Energy Efficiency Rebates	12								
LDC Custom Programs	12								
Other									
Program Enabled Savings	12	100%							100%
Time-of-Use Savings	12								

Lost load (natural units)

Initiative		Rate class							
		Residential kWh	GS < 50 kW kWh	GS 50 to 4,999 kW kW	Unmetered Scattered Load kWh	Sentinel Lighting kW	Street Lighting kW	MicroFIT Generator NA	Total
Consumer Program									
Appliance Retirement		83,036	-	-	-	-	-	-	
Appliance Exchange		21,501	-	-	-	-	-	-	
HVAC Incentives		217,435	-	-	-	-	-	-	
Conservation Instant Coupon Booklet		12,147	-	-	-	-	-	-	
Bi-Annual Retailer Event		232,665	-	-	-	-	-	-	
Retailer Co-Op		-	-	-	-	-	-	-	
Residential Demand Response (switch/pstat)		-	-	-	-	-	-	-	
Residential Demand Response (IHD)		-	-	-	-	-	-	-	
Residential New Construction		-	-	-	-	-	-	-	
Business Program									
Retrofit		-	301,105	2,398	-	-	-	-	
Direct Install Lighting		-	1,258,723	-	-	-	-	-	
Building Commissioning		-	-	-	-	-	-	-	
New Construction		-	-	-	-	-	-	-	
Energy Audit		-	-	-	-	-	-	-	
Small Commercial Demand Response (switch/pstat)		-	-	-	-	-	-	-	
Small Commercial Demand Response (IHD)		-	-	-	-	-	-	-	
Demand Response 3		-	-	-	-	-	-	-	
Industrial Program									
Process & System Upgrades		-	-	-	-	-	-	-	

Monitoring & Targeting		-	-	-	-	-	-	-	
Energy Manager		-	-	-	-	-	-	-	
Retrofit		-	-	-	-	-	-	-	
Demand Response 3		-	-	-	-	-	-	-	
Home Assistance Program									
Home Assistance Program		21,992	-	-	-	-	-	-	
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program		-	-	-	-	-	-	-	
High Performance New Construction		-	-	1,505	-	-	-	-	
Toronto Comprehensive		-	-	-	-	-	-	-	
Multifamily Energy Efficiency Rebates		-	-	-	-	-	-	-	
LDC Custom Programs		-	-	-	-	-	-	-	
Other									
Program Enabled Savings		-	-	-	-	-	-	-	
Time-of-Use Savings		-	-	-	-	-	-	-	
Total		588,776	1,559,828	3,903					
Rate									
Lost Revenue in 2012 from 2012									
Lost Revenue in 2012 from 2011									
Total Lost Revenue in 2012									
2012 savings persisting in 2013		581,003	1,554,719	3,903					
2012 savings persisting in 2014		581,003	1,554,719	3,903					
2012 savings persisting in 2015		580,679	1,382,413	3,903					
2012 savings persisting in 2016		502,998	1,380,708	3,903					

Notes: Rate class allocation percentage totals may not add up to 100% in cases where kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Where distribution rates are monthly rates for the peak kW in that month, the annual loss of revenue is the monthly rate times the number of months it applies to. The number of months applicable for demand savings is found in the Application of Demand

*Special calculations may be prepared for Demand Response 3 savings

From final results for 2013
2013 provided by the OPA

Persistence of 2013 results

Initiative	Net Savings		Incremental Peak Demand Savings (kW)			Incremental Energy Savings (kWh)		
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	2014	2015	2016	2014	2015	2016
Consumer Program								
Appliance Retirement	11	69,658	11	11	11	69,658	69,658	69,351
Appliance Exchange	15	27,339	15	15	15	27,339	27,339	27,339
HVAC Incentives	136	261,120	136	136	136	261,120	261,120	261,120
Conservation Instant Coupon Booklet	4	66,959	4	4	4	66,959	64,379	54,542
Bi-Annual Retailer Event	10	149,250	10	10	8	149,250	140,257	109,567
Retailer Co-Op								
Residential Demand Response (switch/pstat)	26	28						
Residential Demand Response (IHD)								
Residential New Construction								
Consumer Program Total	203	574,354	177	176	173	574,326	562,753	521,919
Business Program								
Retrofit	162	673,976	147	147	127	625,283	625,283	565,227
Direct Install Lighting	412	1,355,476	411	408	354	1,351,795	1,338,641	1,139,219
Building Commissioning								
New Construction								
Energy Audit								
Small Commercial Demand Response (switch/pstat)								
Small Commercial Demand Response (IHD)								
Demand Response 3								
Business Program Total	574	2,029,451	558	554	482	1,977,078	1,963,924	1,704,446
Industrial Program								
Process & System Upgrades								
Monitoring & Targeting								
Energy Manager								
Retrofit								
Demand Response 3								
Industrial Program Total								

Home Assistance Program								
Home Assistance Program	15	189,719	15	15	14	182,959	182,345	160,435
Home Assistance Program Total	15	189,719	15	15	14	182,959	182,345	160,435
Pre-2011 Programs completed in 2011								
Electricity Retrofit Incentive Program								
High Performance New Construction	213	834,398	213	213	213	834,398	834,398	834,398
Toronto Comprehensive								
Multifamily Energy Efficiency Rebates								
LDC Custom Programs								
Pre-2011 Programs completed in 2011 Total	213	834,398	213	213	213	834,398	834,398	834,398
Other								
Program Enabled Savings								
Time-of-Use Savings								
Other Total								
Totals	1,005	3,627,922	962	958	881	3,568,761	3,543,420	3,221,198

Notes:

Ensure OPA has not changed the format/order of programs and data in future year rep

Only Net Savings and Persistence columns are mandatory. Other cells are optional.

Source of data:

Allocation of program results across rate classes

2013

Initiative	Application of Demand Savings (months)	Rate class allocation for LRAMVA							
		Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Consumer Program									
Appliance Retirement	12	100%							100%
Appliance Exchange	12	100%							100%
HVAC Incentives	12	100%							100%
Conservation Instant Coupon Booklet	12	100%							100%
Bi-Annual Retailer Event	12	100%							100%
Retailer Co-Op	12	100%							100%
Residential Demand Response (switch/pstat)	N/A	100%							100%
Residential Demand Response (IHD)	N/A	100%							100%
Residential New Construction	12	100%							100%
Business Program									
Retrofit	12		15%	85%					100%
Direct Install Lighting	12		100%						100%
Building Commissioning	3								
New Construction	12								
Energy Audit	12								
Small Commercial Demand Response (switch/pst	N/A								
Small Commercial Demand Response (IHD)	N/A								
Demand Response 3	Special calculation*								
Industrial Program									
Process & System Upgrades	12								
Monitoring & Targeting	12								
Energy Manager	12								
Retrofit	12								
Demand Response 3	Special calculation*								
Home Assistance Program									
Home Assistance Program	12	100%							100%
Pre-2011 Programs completed in 2011									

Electricity Retrofit Incentive Program	12								
High Performance New Construction	12			100%					100%
Toronto Comprehensive	12								
Multifamily Energy Efficiency Rebates	12								
LDC Custom Programs	12								
Other									
Program Enabled Savings	12								
Time-of-Use Savings	12								

Initiative		Rate class							
		Residential kWh	GS < 50 kW kWh	GS 50 to 4,999 kW kW	Unmetered Scattered Load kWh	Sentinel Lighting kW	Street Lighting kW	MicroFIT Generator NA	Total
Consumer Program									
Appliance Retirement		69,658	-	-	-	-	-	-	
Appliance Exchange		27,339	-	-	-	-	-	-	
HVAC Incentives		272,036	-	-	-	-	-	-	
Conservation Instant Coupon Booklet		67,164	-	-	-	-	-	-	
Bi-Annual Retailer Event		149,250	-	-	-	-	-	-	
Retailer Co-Op		-	-	-	-	-	-	-	
Residential Demand Response (switch/pstat)		28	-	-	-	-	-	-	
Residential Demand Response (IHD)		-	-	-	-	-	-	-	
Residential New Construction		-	-	-	-	-	-	-	
Business Program									
Retrofit		-	146,563	2,075	-	-	-	-	
Direct Install Lighting		-	1,355,476	-	-	-	-	-	
Building Commissioning		-	-	-	-	-	-	-	
New Construction		-	-	-	-	-	-	-	
Energy Audit		-	-	-	-	-	-	-	
Small Commercial Demand Response (switch/pstat)		-	-	-	-	-	-	-	
Small Commercial Demand Response (IHD)		-	-	-	-	-	-	-	
Demand Response 3		-	-	-	-	-	-	-	

Industrial Program									
Process & System Upgrades		-	-	-	-	-	-	-	
Monitoring & Targeting		-	-	-	-	-	-	-	
Energy Manager		-	-	-	-	-	-	-	
Retrofit		-	-	-	-	-	-	-	
Demand Response 3		-	-	-	-	-	-	-	
Home Assistance Program									
Home Assistance Program		238,962	-	-	-	-	-	-	
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program		-	-	-	-	-	-	-	
High Performance New Construction		-	-	1,278	-	-	-	-	
Toronto Comprehensive		-	-	-	-	-	-	-	
Multifamily Energy Efficiency Rebates		-	-	-	-	-	-	-	
LDC Custom Programs		-	-	-	-	-	-	-	
Other									
Program Enabled Savings		-	-	-	-	-	-	-	
Time-of-Use Savings		-	-	-	-	-	-	-	
Total		824,437	1,502,039	3,353					
Rate		0.0158	0.0187	4.7781	0.0284	24.7829	17.3703		
Lost Revenue in 2013 from 2013		\$13,026	\$28,088	\$16,022					\$57,136
Lost Revenue in 2013 from 2012		\$9,180	\$29,073	\$18,648					\$56,901
Lost Revenue in 2013 from 2011		\$13,248	\$12,825	\$12,738					\$38,812
Total Lost Revenue in 2013		\$35,454	\$69,987	\$47,408					\$152,849
2013 savings persisting in 2014		816,475	1,491,054	3,193					
2013 savings persisting in 2015		804,171	1,477,900	3,193					
2013 savings persisting in 2016		737,655	1,269,470	2,996					

Notes: Rate class allocation percentage totals may not add up to 100% in cases where kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Where distribution rates are monthly rates for the peak kW in that month, the annual loss of revenue is the monthly rate times the number of months it applies to. The number of months applicable for demand savings is

*Special calculations may be prepared for Demand Response 3 savings

From final results for 2014 2014 provided by the IESO			Persistence of 2014 results			
Initiative	Net Savings		Incremental Peak Demand Savings (kW)		Incremental Energy Savings (kWh)	
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	2015	2016	2015	2016
Consumer Program						
Appliance Retirement	9	60,678	9	9	60,678	60,678
Appliance Exchange	17	30,664	17	17	30,664	30,664
HVAC Incentives	200	386,397	200	200	386,397	386,397
Conservation Instant Coupon Booklet	19	248,925	17	17	231,812	223,406
Bi-Annual Retailer Event	70	1,067,715	61	56	926,232	852,498
Retailer Co-Op						
Residential Demand Response (switch/pstat)	25					
Residential Demand Response (IHD)						
Residential New Construction						
Consumer Program Total	340	1,794,378	305	300	1,635,782	1,553,643
Business Program						
Retrofit	85	582,106	85	85	582,106	582,106
Direct Install Lighting	297	1,013,083	289	274	984,768	931,834
Building Commissioning						
New Construction	1	2,319	1	1	2,319	2,319
Energy Audit						
Small Commercial Demand Response (switch/pstat)						
Small Commercial Demand Response (IHD)						
Demand Response 3						
Business Program Total	383	1,597,508	375	361	1,569,193	1,516,259

Industrial Program						
Process & System Upgrades						
Monitoring & Targeting						
Energy Manager						
Retrofit						
Demand Response 3						
Industrial Program Total						
Home Assistance Program						
Home Assistance Program	15	126,249	15	14	125,786	112,091
Home Assistance Program Total	15	126,249	15	14	125,786	112,091
Other						
Program Enabled Savings		235,188				
Time-of-Use Savings	230					
Other Total	230	235,188				
Totals	967	3,753,323	694	674	3,330,761	3,181,993

Notes:

Ensure IESO has not changed the format/order of programs and data in future year re

Only Net Savings and Persistence columns are mandatory. Other cells are optional.

Allocation of program results across rate classes

2014

Initiative	Application of Demand Savings (months)	Rate class allocation for LRAMVA							
		Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Consumer Program									
Appliance Retirement	12	100%							100%
Appliance Exchange	12	100%							100%
HVAC Incentives	3	100%							100%
Conservation Instant Coupon Booklet	12	100%							100%
Bi-Annual Retailer Event	12	100%							100%
Retailer Co-Op	12	100%							100%
Residential Demand Response (switch/pstat)	N/A	100%							100%
Residential Demand Response (IHD)	N/A	100%							100%
Residential New Construction	12	100%							100%
Business Program									
Retrofit	12		15%	85%					100%
Direct Install Lighting	12		100%						100%
Building Commissioning	3								
New Construction	12			100%					100%
Energy Audit	12								
Small Commercial Demand Response (switch/pstat)	N/A								
Small Commercial Demand Response (IHD)	N/A								
Demand Response 3	Special calculation*								
Industrial Program									
Process & System Upgrades	12								
Monitoring & Targeting	12								
Energy Manager	12								
Retrofit	12								
Demand Response 3	Special calculation*								
Home Assistance Program									
Home Assistance Program	12	100%							100%
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	12								

High Performance New Construction	12								
Toronto Comprehensive	12								
Multifamily Energy Efficiency Rebates	12								
LDC Custom Programs	12								
Other									
Program Enabled Savings	12	100%							100%
Time-of-Use Savings	12								

Lost load (natural units)

Initiative		Rate class							
		Residential kWh	GS < 50 kW kWh	GS 50 to 4,999 kW kW	Unmetered Scattered Load kWh	Sentinel Lighting kW	Street Lighting kW	MicroFIT Generator NA	Total
Consumer Program									
Appliance Retirement		60,678	-	-	-	-	-	-	
Appliance Exchange		30,664	-	-	-	-	-	-	
HVAC Incentives		386,397	-	-	-	-	-	-	
Conservation Instant Coupon Booklet		248,925	-	-	-	-	-	-	
Bi-Annual Retailer Event		1,067,715	-	-	-	-	-	-	
Retailer Co-Op		-	-	-	-	-	-	-	
Residential Demand Response (switch/pstat)		-	-	-	-	-	-	-	
Residential Demand Response (IHD)		-	-	-	-	-	-	-	
Residential New Construction		-	-	-	-	-	-	-	
Business Program									
Retrofit		-	87,316	864	-	-	-	-	
Direct Install Lighting		-	1,013,083	-	-	-	-	-	
Building Commissioning		-	-	-	-	-	-	-	
New Construction		-	-	17	-	-	-	-	
Energy Audit		-	-	-	-	-	-	-	
Small Commercial Demand Response (switch/pstat)		-	-	-	-	-	-	-	
Small Commercial Demand Response (IHD)		-	-	-	-	-	-	-	
Demand Response 3		-	-	-	-	-	-	-	
Industrial Program									
Process & System Upgrades		-	-	-	-	-	-	-	

Monitoring & Targeting		-	-	-	-	-	-	-	
Energy Manager		-	-	-	-	-	-	-	
Retrofit		-	-	-	-	-	-	-	
Demand Response 3		-	-	-	-	-	-	-	
Home Assistance Program									
Home Assistance Program		126,249	-	-	-	-	-	-	
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program		-	-	-	-	-	-	-	
High Performance New Construction		-	-	-	-	-	-	-	
Toronto Comprehensive		-	-	-	-	-	-	-	
Multifamily Energy Efficiency Rebates		-	-	-	-	-	-	-	
LDC Custom Programs		-	-	-	-	-	-	-	
Other									
Program Enabled Savings		235,188	-	-	-	-	-	-	
Time-of-Use Savings		-	-	-	-	-	-	-	
Total		2,155,815	1,100,398	880					
Rate		0.0168	0.0199	5.2742	0.0302	26.5348	18.5987		
Lost Revenue in 2014 from 2014		\$36,218	\$21,898	\$4,643					\$62,759
Lost Revenue in 2014 from 2013		\$13,717	\$29,672	\$16,843					\$60,232
Lost Revenue in 2014 from 2012		\$9,761	\$30,939	\$20,585					\$61,284
Lost Revenue in 2014 from 2011		\$14,045	\$11,596	\$14,061					\$39,702
Total Lost Revenue in 2014		\$73,741	\$94,104	\$56,132					\$223,977
2014 savings persisting in 2015		1,761,568	1,072,084	880					
2014 savings persisting in 2016		1,665,734	1,019,150	880					

Notes: Rate class allocation percentage totals may not add up to 100% in cases where kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Where distribution rates are monthly rates for the peak kW in that month, the annual loss of revenue is the monthly rate times the number of months it applies to. The number of months applicable for demand savings is found in the Application of Demand

*Special calculations may be prepared for Demand Response 3 savings

YEAR	2015	From final results for 2015 provided by the IESO				Persistence of 2015 results	
		Net Savings		2016		Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
#	Initiative	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)		
	2011-2014+2015 Extension Legacy Framework Programs						
Consumer Program	Residential Program						
1	Coupon Initiative	18	272,944	17	270,402		
2	Bi-Annual Retailer Event Initiative	52	775,374	52	761,544		
3	Appliance Retirement Initiative	4	24,529	4	24,529		
4	HVAC Incentives Initiative	220	437,986	220	437,986		
5	Residential New Construction and Major Renovation Initiative						
	Sub-total - Residential Program	294	1,510,833	293	1,494,461		
Business Program	Commercial & Institutional Program						
6	Energy Audit Initiative						
7	Efficiency: Equipment Replacement Incentive Initiative	257	2,666,517	257	2,666,517		
8	Direct Install Lighting and Water Heating Initiative						
9	New Construction and Major Renovation Initiative						
10	Existing Building Commissioning Incentive Initiative						
	Sub-total - Commercial & Institutional Program	257	2,666,517	257	2,666,517		
Industrial Program	Industrial Program						
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative						
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative						
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	5	16,371	5	16,371		
	Sub-total - Industrial Program	5	16,371	5	16,371		
Home Assistance Program	Low Income Program						
14	Low Income Initiative	11	120,951	9	86,922		
	Sub-total - Low Income Program	11	120,951	9	86,922		
Home Assistance Program	Pilot Program						
15	Loblaws Pilot						
16	Social Benchmarking Pilot						
17	Conservation Fund Pilot - SEG						
18	Conservation Fund Pilot - EnerNOC						
	Sub-total - Pilot Program						
Pre-2011 Programs	Other						
19	Aboriginal Conservation Program						
20	Program Enabled Savings						

21	Adjustments to 2015 Legacy Framework Verified Results				
	Sub-total - Other				
	Sub-total - 2011-2014+2015 Extension Legacy Framework Progra	567	4,314,672	564	4,264,271
	2015-2020 Conservation First Framework Programs				
Consumer Progra	Residential Province-Wide Program				
22	Save on Energy Coupon Program	13	194,239	13	192,334
23	Save on Energy Heating and Cooling Program	25	49,673	25	49,673
24	Save on Energy New Construction Program				
25	Save on Energy Home Assistance Program				
	Sub-total - Residential Province-Wide Program	38	243,912	38	242,007
Business Progra	Business Province-Wide Program				
26	Save on Energy Audit Funding Program				
27	Save on Energy Retrofit Program				
28	Save on Energy Small Business Lighting Program				
29	Save on Energy High Performance New Construction Program				
30	Save on Energy Existing Building Commissioning Program				
31	Save on Energy Process & Systems Upgrades Program				
32	Save on Energy Monitoring & Targeting Program				
33	Save on Energy Energy Manager Program				
	Sub-total - Business Province-Wide Program				
Industrial Progra	Local & Regional Program				
34	Business Refrigeration Local Program				
35	First Nation Conservation Local Program				
36	Social Benchmarking Local Program				
	Sub-total - Local & Regional Program				
Home Assistanc	Pilot Program				
37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund				
38	EnWin Utilities Ltd. - Building Optimization Pilot				
39	EnWin Utilities Ltd. - Re-Invest Pilot				
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot				
41	Horizon Utilities Corporation - Social Benchmarking Pilot				
42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot				
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot				
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV				
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector				
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic				
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls				
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)				
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)				
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)				
	Sub-total - Pilot Program				

Pre-2011 Programs	Other				
51	Adjustments to 2015 CFF Verified Results				
52	Adjustments to 2016 CFF Verified Results				
53	Adjustments to 2017 CFF Verified Results				
54	Adjustments to 2018 CFF Verified Results				
55	Adjustments to 2019 CFF Verified Results				
	Sub-total - Other				
	Sub-total - 2015-2020 Conservation First Framework Programs	38	243,912	38	242,007
	Total	605	4,558,584	602	4,506,278

Notes:

Ensure IESO has not changed the format/order of programs and data in future year reports

Only Net Savings and Persistence columns are mandatory. Other cells are optional.

Allocation of program results across rate classes

2015

#	Initiative	Application of Demand Savings (months)	Rate class allocation for LRAMVA							
			Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Residential Program										
1	Coupon Initiative	12	100%						100%	
2	Bi-Annual Retailer Event Initiative	12	100%						100%	
3	Appliance Retirement Initiative	12	100%						100%	
4	HVAC Incentives Initiative	12	100%						100%	
5	Residential New Construction and Major Renovation I	12	100%						100%	
Commercial & Institutional Program										
6	Energy Audit Initiative	12								
7	Efficiency: Equipment Replacement Incentive Initiative	12		5%	95%				100%	
8	Direct Install Lighting and Water Heating Initiative	12								
9	New Construction and Major Renovation Initiative	12								
10	Existing Building Commissioning Incentive Initiative	3								
Industrial Program										
11	Process and Systems Upgrades Initiatives - Project Inc	12								
12	Process and Systems Upgrades Initiatives - Monitoring	12								
13	Process and Systems Upgrades Initiatives - Energy Ma	12			100%				100%	
Low Income Program										
14	Low Income Initiative	12	100%						100%	
Pilot Program										
15	Loblaws Pilot	12								
16	Social Benchmarking Pilot	12								
17	Conservation Fund Pilot - SEG	12								
18	Conservation Fund Pilot - EnerNOC	12								
Other										
19	Aboriginal Conservation Program	12								
20	Program Enabled Savings	12								
21	Adjustments to 2015 Legacy Framework Verified Resu	12								
	2015-2020 Conservation First Framework Programs									
Residential Province-Wide Program										
22	Save on Energy Coupon Program	12	100%						100%	
23	Save on Energy Heating and Cooling Program	12	100%						100%	
24	Save on Energy New Construction Program	12	100%						100%	

25	Save on Energy Home Assistance Program	12	100%							100%
Business Province-Wide Program										
26	Save on Energy Audit Funding Program	12	100%							100%
27	Save on Energy Retrofit Program	12	100%							100%
28	Save on Energy Small Business Lighting Program	12	100%							100%
29	Save on Energy High Performance New Construction P	12	100%							100%
30	Save on Energy Existing Building Commissioning Progr	3	100%							100%
31	Save on Energy Process & Systems Upgrades Program	12	100%							100%
32	Save on Energy Monitoring & Targeting Program	12	100%							100%
33	Save on Energy Energy Manager Program	12	100%							100%
Local & Regional Program										
34	Business Refrigeration Local Program	12	100%							100%
35	First Nation Conservation Local Program	12	100%							100%
36	Social Benchmarking Local Program	12	100%							100%
Pilot Program										
37	Enersource Hydro Mississauga Inc. - Performance-Bas	12	100%							100%
38	EnWin Utilities Ltd. - Building Optimization Pilot	12	100%							100%
39	EnWin Utilities Ltd. - Re-Invest Pilot	12	100%							100%
40	Horizon Utilities Corporation - ECM Furnace Motor Pil	12	100%							100%
41	Horizon Utilities Corporation - Social Benchmarking Pi	12	100%							100%
42	Hydro Ottawa Limited - Conservation Voltage Regulati	12	100%							100%
43	Hydro Ottawa Limited - Residential Demand Response	12	100%							100%
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	12	100%							100%
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy	12	100%							100%
46	Oakville Hydro Electricity Distribution Inc. - Direct Inst	12	100%							100%
47	Oakville Hydro Electricity Distribution Inc. - Direct Inst	12	100%							100%
48	Toronto Hydro-Electric System Limited - Direct Install	12	100%							100%
49	Toronto Hydro-Electric System Limited - Direct Install	12	100%							100%
50	Toronto Hydro-Electric System Limited - PFP - Large (P	12	100%							100%
Other										
51	Adjustments to 2015 CFF Verified Results	12	100%							100%
52	Adjustments to 2016 CFF Verified Results	12	100%							100%
53	Adjustments to 2017 CFF Verified Results	12	100%							100%
54	Adjustments to 2018 CFF Verified Results	12	100%							100%
55	Adjustments to 2019 CFF Verified Results	12	100%							100%

Lost load (natural units)

#	Initiative		Rate class							
			Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
			kWh	kWh	kW	kWh	kW	kW	NA	
Residential Program										
1	Coupon Initiative		272,944	-	-	-	-	-	-	
2	Bi-Annual Retailer Event Initiative		775,374	-	-	-	-	-	-	
3	Appliance Retirement Initiative		24,529	-	-	-	-	-	-	
4	HVAC Incentives Initiative		437,986	-	-	-	-	-	-	
5	Residential New Construction and Major Renovation Initiative		-	-	-	-	-	-	-	
	Sub-total - Residential Program		1,510,833	-	-	-	-	-	-	
Commercial & Institutional Program										
6	Energy Audit Initiative		-	-	-	-	-	-	-	
7	Efficiency: Equipment Replacement Incentive Initiative		-	140,343	2,922	-	-	78	-	
8	Direct Install Lighting and Water Heating Initiative		-	-	-	-	-	-	-	
9	New Construction and Major Renovation Initiative		-	-	-	-	-	-	-	
10	Existing Building Commissioning Incentive Initiative		-	-	-	-	-	-	-	
	Sub-total - Commercial & Institutional Program		-	140,343	2,922	-	-	78	-	
Industrial Program										
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative		-	-	-	-	-	-	-	
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting In		-	-	-	-	-	-	-	
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative		-	-	60	-	-	-	-	
	Sub-total - Industrial Program		-	-	60	-	-	-	-	
Low Income Program										
14	Low Income Initiative		120,951	-	-	-	-	-	-	
	Sub-total - Low Income Program		120,951	-	-	-	-	-	-	
Pilot Program										
15	Loblaws Pilot		-	-	-	-	-	-	-	
16	Social Benchmarking Pilot		-	-	-	-	-	-	-	
17	Conservation Fund Pilot - SEG		-	-	-	-	-	-	-	
18	Conservation Fund Pilot - EnerNOC		-	-	-	-	-	-	-	
	Sub-total - Pilot Program		-	-	-	-	-	-	-	
Other										
19	Aboriginal Conservation Program		-	-	-	-	-	-	-	
20	Program Enabled Savings		-	-	-	-	-	-	-	
21	Adjustments to 2015 Legacy Framework Verified Resu ⁿ		-	-	-	-	-	-	-	
	Sub-total - Other		-	-	-	-	-	-	-	

[illegible]

51	Adjustments to 2015 CFF Verified Results		-	-	-	-	-	-	-
52	Adjustments to 2016 CFF Verified Results		-	-	-	-	-	-	-
53	Adjustments to 2017 CFF Verified Results		-	-	-	-	-	-	-
54	Adjustments to 2018 CFF Verified Results		-	-	-	-	-	-	-
55	Adjustments to 2019 CFF Verified Results		-	-	-	-	-	-	-
	Sub-total - Other		-	-	-	-	-	-	-
	Sub-total - 2015-2020 Conservation First Framework Programs		243,912	-	-	-	-	-	-
	Total		1,875,696	140,343	2,982			78	
	Rate		0.017	0.0201	5.3392	0.0305	26.8619	18.828	
	Lost Revenue in 2015 from 2015		\$31,887	\$2,821	\$15,920			\$1,477	\$52,104
	Lost Revenue in 2015 from 2014		\$29,947	\$21,549	\$4,701				\$56,196
	Lost Revenue in 2015 from 2013		\$13,671	\$29,706	\$17,051				\$60,427
	Lost Revenue in 2015 from 2012		\$9,872	\$27,786	\$20,838				\$58,496
	Lost Revenue in 2015 from 2011		\$12,925	\$11,712	\$14,234				\$38,871
	Total Lost Revenue in 2015		\$98,301	\$93,574	\$72,743			\$1,477	\$266,095
	2015 savings persisting in 2016		1,823,390	140,343	2,982			4,390	

Notes: Rate class allocation percentage totals may not add up to 100% in cases where kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Where distribution rates are monthly rates for the peak kW in that month, the annual loss of revenue is the monthly rate times the number of months it applies to. The number of months applicable for demand savings is found in the Application of Demand

This calculation does not yet account for adjustments IESO might issue

The IESO has included only kWh energy savings from a street lighting project in the 2015 CDM results, as streetlights are only on at night and have no impact on peak demand. The street lighting rate class is billed by kW, so the kWh savings from the Retrofit project do not impact lost revenue. Thus, the kWh attributed by the IESO to the project have been manually removed from the Retrofit program results and the actual kW reductions made to the street lighting customer's bills have been input into the total street lighting kW for lost revenue calculations. The calculations can be found in Street lighting tab.

*Special calculations may be prepared for Demand Response 3 savings

Energy savings attributed to street lighting project in IESO res

Year	Gross	NTG	Net
2011		0.75	
2012		0.77	
2013		0.68	
2014		0.72	
2015	106,605	0.86	91,702

Actual lost revenue based on kW billing

Month	Billed kW	Gross kW reduction	NTG	Net kW reduction
Jan-15			0.84	
Feb-15			0.84	
Mar-15			0.84	
Apr-15			0.84	
May-15			0.84	
Jun-15			0.84	
Jul-15			0.84	
Aug-15			0.84	
Sep-15			0.84	
Oct-15			0.84	
Nov-15	1782		0.84	
Dec-15	1688.617	93.383	0.84	78
2015 total		93.383		78
Jan-16	1469.325	312.675	0.84	263
Feb-16	1448.457	333.543	0.84	280
Mar-16	1447.545	334.455	0.84	281
Apr-16	1446.709	335.291	0.84	282
May-16	1437.65	344.35	0.84	289
Jun-16	1345.08	436.92	0.84	367
Jul-16	1260.35	521.65	0.84	438
Aug-16	1260.35	521.65	0.84	438
Sep-16	1260.35	521.65	0.84	438
Oct-16	1260.35	521.65	0.84	438
Nov-16	1260.35	521.65	0.84	438
Dec-16	1260.35	521.65	0.84	438
2016 total		5227.134		4390

Note: The 2015 Net-to-Gross is used for the 2016 estimate.