



PUC Distribution Inc.
765 QUEEN STREET EAST, P.O. Box 9000
SAULT STE. MARIE, ONTARIO, P6A 6P2

October 11, 2013

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 2014 4th Generation IR Distribution Rate
Application
Board File No. EB-2013-0167**

PUC Distribution ("PUC") is pleased to submit to the Ontario Energy Board its 2014 electricity rate application, in accordance with the Boards 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 with Supplemental filing modules or workforms, 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; and
- Statement as to which publication the applicant's notice will be appearing.

The primary contact for this application is Jennifer Uchmanowicz, Rates and Regulatory Affairs Officer. Phone number 705-759-3009 or email at Jennifer.Uchmanowicz@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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PUC's 2014 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,

Jennifer Uchmanowicz
Rates and Regulatory Affairs Officer
PUC Distribution Inc.
Sault Ste. Marie Ont.
Email: Jennifer.uchmanowicz@ssmpuc.com
Phone: 705-759-3009

PUC Distribution Inc. (“PUC”)

MANAGER’S SUMMARY

**2014 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, 2014.

PUC has prepared the 2014 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 17, 2013.

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. LRAM and LRAMVA Variance Account
7. Revenue-to-cost Ratio Adjustment
8. Electricity Distribution Retail Transmission Service Rates
9. Regulatory Accounting Policy Changes to the Depreciation Expense and Capitalization Policies
10. Incremental Capital Module

The Exhibits are as follows:

- Exhibit 1 – 2014 Proposed Tariff of Rates and Charges
- Exhibit 2 – Bill Impacts
- Exhibit 3 – Current Tariff of Rates and Charges
- Exhibit 4 – 2014 Rate Generator Workform Model
- Exhibit 5 – 2014 RTSR Workform Model
- Exhibit 6 – 2014 Shared Tax Savings Workform
- Exhibit 7 – IndEco Strategic Consulting Inc. – Report and Addendum to Third Party Review of PUC Distribution LRAM and SSM Claims
- Exhibit 8 – OPA Final 2011 Results Report
- Exhibit 9 – OPA Final 2012 Results Report

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 2014 rate setting. Board staff will update each distributor's Rate Generator Model once the final parameters are established. The rate Generator Model initially includes rate-setting parameters from the preceding year as a placeholder: inflation factor of 1.6%, productivity factor of 0.72% and a stretch factor of 0.4% (representing the middle cohort) for a total price index adjustment of 0.48%.

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. PUC is not aware of changes in tax legislation since filing its 2013 Cost of Service Rate Application (EB-2012-0162) that would result in any annual tax changes. Therefore, PUC is not proposing a rate rider for the sharing of tax changes. PUC has included in Exhibit 6 the completed 2014 IR Tax Sharing Model. An electronic copy is filed with the application.

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 (including Account 1521, 1562 and 1568)	(\$2,058,392)
Total Claim for Threshold Test (All Group 1 Accounts)	(\$2,058,392)
Threshold Test (Total claim per kWh) ³	(0.0029)

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
 1595 – Residual Balance of Recovery of Regulatory Asset Balance (2011)

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 has completed the continuity schedule on Sheet 5 of the 2014 IRM Rate Generator. In the continuity schedule, PUC included the December 31, 2012 Group 1 account balances; 2013 dispositions instructed by the Board; and projected carrying charges to April 30, 2014 using the Boards prescribed interest rate of 1.47%. The balances for disposition are as follows:

Table 1 – Group 1 Account Balances for Disposition

1580 – Wholesale Market Service Charge	(1,342,747)
1584 – Retail Transmission Network Charge	(287,802)
1588 – RSVA Power (Excluding Global Adjustment)	(332,243)
1589 – RSVA Global Adjustment	(59,890)
1595 – Balance of Recovery of Regulatory Assets (2011)	(35,710)
Total	(2,058,392)

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. The residual balance in 1595 is recovered based on the proportionate share by rate class at the time the recoveries were approved. Global adjustment sub-account 1589 is allocated to the rate classes based on non-RPP kWh's. PUC is applying for a recovery (refund) period of one year from May 1, 2014 to April 30, 2015.

The regulatory asset rate riders, as calculated in the deferral and variance work form which is included in the 2014 Rate Generator Model (excluding 1589 account Global Adjustment), are included in Table 2 below.

Table 2 – Regulatory Asset Rate Riders

Residential	(0.0029)
General Service less than 50 kW	(0.0028)
General Service 50 to 4,999 kW	(1.1289)
Unmetered Scattered Load	(0.0029)
Sentinel Lighting	(1.0291)
Street Lighting	(1.0010)

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 3 below.

Table 3 – Global Adjustment Rate Riders

Residential	(0.0002)
General Service less than 50 kW	(0.0002)
General Service 50 to 4,999 kW	(0.0954)
Unmetered Scattered Load	0
Sentinel Lighting	0
Street Lighting	0

6. LRAM and LRAMVA Variance Account

LRAM

The lost revenue adjustment mechanism (“LRAM”) is a retrospective adjustment which is designed to account for differences between the forecast revenue loss embedded in rates and the actual revenue loss for CDM programs delivered pre-2010. In PUC’s 2013 Cost of Service Rate Application (EB-2012-0162) an LRAM rate rider was approved for pre-2010 programs including persisting losses until April 30, 2012. Consistent with the prior LRAM claim being approved on the rate year vs. the calendar year, PUC is applying for recovery of an LRAM amount for the 2012 rate year (May 1, 2012 to April 30, 2013). In PUC’s 2013 Cost of Service rate application a CDM adjustment was embedded into the load forecast. PUC engaged IndEco Strategic Consulting to prepare an addendum to its *Third party review: PUC Distribution Inc. LRAM and SSM claims* (dated October 24, 2011), that supported prior approved LRAM claims for the time period up to April 30, 2012. The addendum supports the LRAM claim for the extended period from May 1, 2012 to April 30, 2013. PUC has included the addendum and the original IndEco report as Exhibit 7.

In Table 4 below, PUC has included the lost revenue by rate class with carrying charges, as supported in the IndEco Report Addendum (Exhibit 7). PUC used the most current Board Approved load forecast from the 2013 Cost of Service rate application (EB-2012-0162) to calculate the rate rider. PUC proposes to recover the LRAM rate rider over a one year period (May 1, 2014 to April 30, 2015).

Table 4 – LRAM Rate Riders

	Residential	GS < 50 kW	GS 50 to 4,999 kW
Lost Revenue	\$91,061	\$6,034	\$11,786
Carrying Charges	\$716	\$47	\$93
Total	\$91,777	\$6,081	\$11,879
kWh/kW	340,561,450	102,179,766	628,286
Rate Rider	\$0.0003 / kWh	\$0.0001 / kWh	\$0.0189 / kW

LRAMVA

For CDM programs delivered within the 2011 to 2014 term, the Board established Account 1568 - LRAMVA to capture the variance between the Board-Approved CDM forecast and the actual results at the customer rate class level.

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 Incentive Regulation Mechanism 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 is seeking disposition of the balance in the LRAMVA as part of this IR application. PUC is applying for the persisting losses from the 2011 programs in 2012 and the losses from 2012 programs in 2012. Prior to PUC's 2013 Cost of Service rate application (EB-2012-0162), a CDM reduction was not built into PUC's approved load forecast.

The 1568 LRAMVA balance requested for disposition is based on the 2011 and 2012 OPA verified final results. The final OPA results for 2011 and 2012 are included as Exhibit 8 and 9 of this application.

At the present time, PUC does not have Board-approved CDM programs; therefore a separate third party review is not required.

2011 persisting losses in 2012

The percentage of the 2011 program persisting losses in 2012 was based on Table 5 below from the *OPA Final 2012 Results Report*. The report indicated consisting savings for 2011 persisting in 2012 (2.7 GWh) towards the 2011-2014 cumulative energy savings target.

Table 5 – Persisting Net Energy Savings From 2012 OPA Report

Table 5: Net Energy Savings at the End User Level (GWh)					
Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	2.7	2.7	2.7	2.6	10.9
2012 - Verified		2.7	2.7	2.7	7.9
2013					
2014					
Verified Net Cumulative Energy Savings 2011-2014:					18.8
PUC Distribution Inc. 2011-2014 Annual CDM Energy Target					30.8
Verified Portion of Cumulative Energy Target Achieved (%):					60.9%

In PUC's 2013 Cost of Service Rate Application (EB-2012-0162) the 2011 LRAMVA amount approved, based on the final 2011 OPA results, was lost volumes of 1,533,501 kWh and 2,676 kW. Based on Table 5 above from the OPA Report, the net energy saving for 2011 persists 100% in 2012. PUC has included Tables 6 to 11 showing the lost volumes as approved in the 2013 Cost of Service Rate Application for 2011.

Table 6 – Residential 2011 Net Program Results

Residential 2011 Programs (Net kWh)	
Appliance Retirement	115,083
Appliance Exchange	9,081
HVAC Incentives	302,460
Conservation Instant Coupon Booklet	166,010
Bi-Annual Retailer Event	255,303
2011 kWh Total	847,937

Table 7 – Residential 2011 Gross Program Results

Residential 2011 Programs (Gross kWh)	
Appliance Retirement	224,471
Appliance Exchange	17,621
HVAC Incentives	508,931
Conservation Instant Coupon Booklet	150,411
Bi-Annual Retailer Event	<u>233,687</u>
2011 kWh Total	1,135,121

Table 8 – General Service < 50 2011 Net Program Results

GSLT50 2011 Programs (Net kWh)	
Direct Install Lighting	576,898
Efficiency: Equipment Replacement	108,666
2011 kWh Total	685,564

Table 9 – General Service < 50 2011 Gross Program Results

GSLT50 2011 Programs (Gross kWh)	
Direct Install Lighting	621,297
Efficiency: Equipment Replacement	<u>142,363</u>
2011 kWh Total	763,660

Table 10 – General Service > 50 2011 Net Program Results

GS >50 2011 Programs (Net kW)	
High Performance New Construction	1,176
Efficiency: Equipment Replacement (from C&I program schedule)	1,308
Electricity Retrofit Incentive Program	<u>192</u>
2011 kW Total	2,676

Table 11 – General Service > 50 2011 Gross Program Results

GS >50 2011 Programs (Gross kW)	
High Performance New Construction	2,352
Efficiency: Equipment Replacement (from C&I program schedule	1,740
Electricity Retrofit Incentive Program	360
2011 kW Total	4,452

PUC has included a summary in Table 12 below of the net savings for 2011 persisting in 2012. PUC applied the 2012 weighted average approved volumetric distribution rate to the net kWh/kW losses.

Table 12 – Total 2011 Program Losses Persisting in 2012

2011 Programs Persisting in 2012			
	Net kWh	2012 Rate	Amount
Residential	847,937	0.0152	\$12,889
GSLT50	685,564	0.0179	\$12,272
	Net kW	2011 Rate	
GSGT50	2,676	4.4105	\$11,802
Total			\$36,963

PUC applied carrying charges to the 2011 CDM persisting losses in 2012 based on the OEB prescribed interest rates as shown in the Table 13 below:

Table 13 – Carrying Charges on 2011 Program Losses Persisting in 2012

Month	OEB Prescribed Annual Rate	Days in Month	Monthly Intrest rate	LRAM LRAMVA			Allocated Carrying Costs		
				Residential	GS LT 50	GS GT 50	Residential	GS LT 50	GS GT 50
Jan-12	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Feb-12	1.47%	29	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 15.05	\$ 14.33	\$ 13.78
Mar-12	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Apr-12	1.47%	30	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 15.57	\$ 14.83	\$ 14.26
May-12	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Jun-12	1.47%	30	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 15.57	\$ 14.83	\$ 14.26
Jul-12	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Aug-12	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Sep-12	1.47%	30	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 15.57	\$ 14.83	\$ 14.26
Oct-12	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Nov-12	1.47%	30	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 15.57	\$ 14.83	\$ 14.26
Dec-12	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Jan-13	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Feb-13	1.47%	28	0.11%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 14.53	\$ 13.84	\$ 13.31
Mar-13	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Apr-13	1.47%	30	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 15.57	\$ 14.83	\$ 14.26
May-13	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Jun-13	1.47%	30	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 15.57	\$ 14.83	\$ 14.26
Jul-13	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Aug-13	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Sep-13	1.47%	30	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 15.57	\$ 14.83	\$ 14.26
Oct-13	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Nov-13	1.47%	30	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 15.57	\$ 14.83	\$ 14.26
Dec-13	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Jan-14	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Feb-14	1.47%	28	0.11%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 14.53	\$ 13.84	\$ 13.31
Mar-14	1.47%	31	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 16.09	\$ 15.32	\$ 14.74
Apr-14	1.47%	30	0.12%	\$ 12,888.64	\$12,271.60	\$11,802.50	\$ 15.57	\$ 14.83	\$ 14.26
							\$ 441.73	\$ 420.59	\$ 404.51

The total claim for the 2011 LRAMVA persisting loss in 2012 by rate class, including carrying charges is shown in the Table 14 below:

Table 14 – Total Persisting Losses from 2011 Programs in 2012

	Residential losses persisting from 2011 in 2012	General Service < 50 losses persisting from 2011 in 2012	General Service > 50 losses persisting from 2011 in 2012	Total
Persisting Losses	\$12,889	\$12,272	\$11,803	\$36,964
Carrying Charges	\$442	\$421	\$405	\$1,268
Total	\$13,331	\$12,693	\$12,208	\$38,232

2012 losses from 2012 programs

In addition to the 2011 losses persisting in 2012, PUC is claiming the losses from the 2012 programs in 2012. PUC has based this claim on the most recent and final input assumptions documented in the OPA Final 2012 Annual Report included as Exhibit 9. At this time, PUC has no Board-Approved CDM programs, therefore a separate third-party report is not required.

PUC has included the Gross and Net kWh/kW savings by rate class in the following tables:

Table 15 – 2012 Residential Net Program Results

Residential 2012 Programs (Net kWh)	
Appliance Retirement	83,036
Appliance Exchange	21,501
HVAC Incentives	214,532
Conservation Instant Coupon Booklet	12,147
Bi-Annual Retailer Event	232,665
2012 Total	563,881

Table 16 – 2012 Residential Gross Program Results

Residential 2012 Programs (Gross kWh)	
Appliance Retirement	177,108
Appliance Exchange	41,720
HVAC Incentives	442,527
Conservation Instant Coupon Booklet	11,519
Bi-Annual Retailer Event	253,866
2012 Total	926,740

Table 17 – 2012 GS<50 Net Program Results

GS < 50 2012 Programs (Net kWh)	
Direct Install Lighting	1,244,484
Efficiency: Equipment Replacement	207,881
2012 Total	1,452,365

Table 18 – 2012 GS<50 Gross Program Results

GS < 50 2012 Programs (Gross kWh)	
Direct Install Lighting	1,321,054
Efficiency: Equipment Replacement	<u>263,141</u>
2012 Total	1,584,195

Table 19 – GS>50 2012 Net Program Results

GS > 50 2012 Programs (Net kW)	
Efficiency: Equipment Replacement (from C&I program schedule)	<u>1,706</u>
2012 Total	1,706

Table 20 – GS>50 2012 Gross Program Results

GS > 50 2012 Programs (Gross kW)	
Efficiency: Equipment Replacement (from C&I program schedule)	<u>2,160</u>
2012 Total	2,160

PUC has included the 2012 program totals in Table 21 below. PUC used the weighted average distribution rates for 2012.

Table 21 – 2012 Program Total Losses by Rate Class

2012 Programs Total			
	Net kWh	2012 Rate	Amount
Residential	563,881	0.0152	\$8,571
GSLT50	1,452,365	0.0179	\$25,997
	Net kW	2012 Rate	
GSGT50	1,706	4.4105	<u>\$7,524</u>
Total			\$42,093

PUC applied carrying charges to the 2012 CDM losses from 2012 programs based on the OEB prescribed interest rates as shown in Table 22 below:

Table 22 – 2012 Programs Carrying Charges

Month	OEB Prescribed Annual Rate	Days in Month	Monthly Interest rate	LRAM LRAMVA			Allocated Carrying Costs		
				Residential	GS LT 50	GS GT 50	Residential	GS LT 50	GS GT 50
Jan-12	1.47%	31	0.12%	\$ 714.25	\$ 2,166.42	\$ 627.00	\$ 0.89	\$ 2.70	\$ 0.78
Feb-12	1.47%	28	0.11%	\$ 1,428.50	\$ 4,332.83	\$ 1,254.00	\$ 1.61	\$ 4.89	\$ 1.41
Mar-12	1.47%	31	0.12%	\$ 2,142.75	\$ 6,499.25	\$ 1,881.00	\$ 2.68	\$ 8.11	\$ 2.35
Apr-12	1.47%	30	0.12%	\$ 2,857.00	\$ 8,665.67	\$ 2,508.00	\$ 3.45	\$ 10.47	\$ 3.03
May-12	1.47%	31	0.12%	\$ 3,571.25	\$ 10,832.08	\$ 3,135.00	\$ 4.46	\$ 13.52	\$ 3.91
Jun-12	1.47%	30	0.12%	\$ 4,285.50	\$ 12,998.50	\$ 3,762.00	\$ 5.18	\$ 15.71	\$ 4.55
Jul-12	1.47%	31	0.12%	\$ 4,999.75	\$ 15,164.92	\$ 4,389.00	\$ 6.24	\$ 18.93	\$ 5.48
Aug-12	1.47%	31	0.12%	\$ 5,714.00	\$ 17,331.33	\$ 5,016.00	\$ 7.13	\$ 21.64	\$ 6.26
Sep-12	1.47%	30	0.12%	\$ 6,428.25	\$ 19,497.75	\$ 5,643.00	\$ 7.77	\$ 23.56	\$ 6.82
Oct-12	1.47%	31	0.12%	\$ 7,142.50	\$ 21,664.17	\$ 6,270.00	\$ 8.92	\$ 27.05	\$ 7.83
Nov-12	1.47%	30	0.12%	\$ 7,856.75	\$ 23,830.58	\$ 6,897.00	\$ 9.49	\$ 28.79	\$ 8.33
Dec-12	1.47%	31	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.70	\$ 32.46	\$ 9.39
Jan-13	1.47%	31	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.70	\$ 32.46	\$ 9.39
Feb-13	1.47%	29	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.01	\$ 30.36	\$ 8.79
Mar-13	1.47%	31	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.70	\$ 32.46	\$ 9.39
Apr-13	1.47%	30	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.36	\$ 31.41	\$ 9.09
May-13	1.47%	31	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.70	\$ 32.46	\$ 9.39
Jun-13	1.47%	30	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.36	\$ 31.41	\$ 9.09
Jul-13	1.47%	31	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.70	\$ 32.46	\$ 9.39
Aug-13	1.47%	31	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.70	\$ 32.46	\$ 9.39
Sep-13	1.47%	30	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.36	\$ 31.41	\$ 9.09
Oct-13	1.47%	31	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.70	\$ 32.46	\$ 9.39
Nov-13	1.47%	30	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.36	\$ 31.41	\$ 9.09
Dec-13	1.47%	31	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.70	\$ 32.46	\$ 9.39
Jan-14	1.47%	31	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.70	\$ 32.46	\$ 9.39
Feb-14	1.47%	28	0.11%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 9.67	\$ 29.32	\$ 8.48
Mar-14	1.47%	31	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.70	\$ 32.46	\$ 9.39
Apr-14	1.47%	30	0.12%	\$ 8,571.00	\$ 25,997.00	\$ 7,524.00	\$ 10.36	\$ 31.41	\$ 9.09
							\$ 236.28	\$ 716.67	\$ 207.42

The total claim for the LRAMVA losses in 2012 from the 2012 programs by rate class, including carrying charges is shown in Table 23 below:

Table 23 – 2012 Program Losses in 2012 by Rate Class

	Residential 2012 program losses in 2012	General Service < 50 2012 programs losses in 2012	General Service > 50 2012 program losses in 2012	Total
2012 Losses	\$8,571	\$25,997	\$7,524	\$42,092
Carrying Charges	<u>\$236</u>	<u>\$717</u>	<u>\$207</u>	<u>\$1,160</u>
Total	\$8,807	\$26,714	\$7,731	\$43,252

Summary of LRAMVA Claim and Rate Rider Calculation

PUC has summarized in Table 24 below the LRAMVA claim consisting of the 2011 losses persisting in 2012 and the 2012 losses from 2012 programs. Carrying charges are included at the OEB prescribed rate. The kWh/kWs used in the rate rider calculation are from PUC's most current Board-approved load forecast in its 2013 Cost of Service rate application (EB-2012-0162).

Table 24 – LRAMVA Rate Riders

	Residential	GS < 50 kW	GS 50 to 4,999 kW
Lost revenue from 2011 programs persisting in 2012 (A)	\$12,889	\$12,272	\$11,803
Carrying charges (B)	<u>\$442</u>	<u>\$421</u>	<u>\$405</u>
Subtotal (A) + (B) = (C)	<u>\$13,331</u>	<u>\$12,693</u>	<u>\$12,208</u>
Lost revenue from 2012 programs in 2012 (D)	\$8,571	\$25,997	\$7,524
Carrying Charges (E)	<u>\$236</u>	<u>\$717</u>	<u>\$207</u>
Subtotal (D) + (E) = (F)	<u>\$8,807</u>	<u>\$26,714</u>	<u>\$7,731</u>
Total LRAMVA Claim (C) + (F)	\$22,138	\$39,407	\$19,939
kWh/kW	340,561,450	102,179,766	628,286
<u>Rate Rider</u>	<u>\$0.0001 / kWh</u>	<u>\$0.0004 / kWh</u>	<u>\$0.0317 / kW</u>

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 October 22, 2008. The decrease is calculated using the 2014 RTSR Model issued by the OEB that applies historical wholesale and retail consumption to current and future wholesale and retail rates. When the January 1, 2014 rates are determined, the Board Staff will adjust the rate application 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 the Table 25 below:

Table 25 – RTSR – Network Rates

	Current RTSR - Network (\$)	Proposed RTSR - Network (\$)
Residential (kWh)	0.0059	0.0058
General Service <50 kW (kWh)	0.0055	0.0054
General Service > 50kW (kW)	2.2434	2.2012
General Service >50 kW Interval Metered (KW)	2.8214	2.7683
USL (kWh)	0.0055	0.0054
Sentinel Lighting (kW)	1.7006	1.6686
Street Lighting (kW)	1.6919	1.6601

9. Regulatory Accounting Policy Changes to the Depreciation Expense and Capitalization Policies

Per the Board's letter of July 17, 2012, electricity distributors electing to remain on CGAAP must implement regulatory accounting changes for depreciation expense and capitalization policies by January 1, 2013. PUC made the mandatory changes in 2012 consistent with the Board's regulatory accounting policies as set out for modified IFRS as contained in the Report of the Board, *Transition to International Financial Reporting Standards EB-2008-0408*, the Kinectrics Report, and the revised 2012 Accounting Procedures Handbook.

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.

EXHIBIT 1

2014 Proposed Tariff of Rates and Charges

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 01, 2014

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

EB-2013-0167

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	9.71
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01680
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00290)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kWh	(0.00020)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00580
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2015	\$/kWh	0.00030
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAMVA) (2012 CDM Activities) - effective until April 30, 2015	\$/kWh	0.00010

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.53
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01980
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00280)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kWh	(0.00020)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00540
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2015	\$/kWh	0.00010
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAMVA) (2012 CDM Activities) - effective until April 30, 2015	\$/kWh	0.00040

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly 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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	110.53
Distribution Volumetric Rate	\$/kW	5.25050
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(1.12890)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kW	(0.09540)
Retail Transmission Rate - Network Service Rate	\$/kW	2.20120
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.76830
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2015	\$/kW	0.01890
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAMVA) (2012 CDM Activities) - effective until April 30, 2015	\$/kW	0.03170

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly 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 Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	12.26
Distribution Volumetric Rate	\$/kWh	0.03000
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00290)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00540

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.83
Distribution Volumetric Rate	\$/kW	26.41560
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(1.02910)
Retail Transmission Rate - Network Service Rate	\$/kW	1.66860

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting 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 OEB street lighting load shape template. Further servicing details are available in the

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.84
Distribution Volumetric Rate	\$/kW	18.51510
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(1.00100)
Retail Transmission Rate - Network Service Rate	\$/kW	1.66010

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

MICROFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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MONTHLY RATES AND CHARGES - Regulatory Component

MONTHLY RATES AND CHARGES - Regulatory Component

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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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	\$	15.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
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
Service call – customer owned equipment		Time & Material
Service call – after regular hours		Time & Material
Temporary Service – Install & remove – overhead – no transformer		Time & Material
Temporary Service – Install & remove – underground – no transformer		Time & Material
Temporary Service Install & Remove – Overhead – With Transformer		Time & Material
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35
Removal of overhead lines - during regular hours		Time & Material
Removal of overhead lines - after hours		Time & Material
Roadway escort - after regular hours		Time & Material

RETAIL SERVICE CHARGES (if applicable)

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

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

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

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the fi

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

EXHIBIT 2

Bill Impacts

Rate Class	RESIDENTIAL	
Loss Factor	1.0489	
Consumption	kWh	800
If Billed on a kW basis:		
	Demand	kW
Load Factor	Update Bill Impacts	

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 9.66	1	\$ 9.66	\$ 9.71	1	\$ 9.71	\$ 0.05	0.52%
Distribution Volumetric Rate	\$ 0.0167	800	\$ 13.36	\$ 0.0168	800	\$ 13.44	\$ 0.08	0.60%
Fixed Rate Riders	\$ 3.39	1	\$ 3.39	\$ -	1	\$ -	-\$ 3.39	-100.00%
Volumetric Rate Riders	0.0004	800	\$ 0.32	0.0004	800	\$ 0.32	\$ -	0.00%
Sub-Total A (excluding pass through)			\$ 26.73			\$ 23.47	-\$ 3.26	-12.20%
Line Losses on Cost of Power	\$ 0.0839	39	\$ 3.28	\$ 0.0839	39	\$ 3.28	\$ -	0.00%
Total Deferral/Variance	-0.0053	800	-\$ 4.24	-0.0029	800	-\$ 2.32	\$ 1.92	-45.28%
Account Rate Riders								
Low Voltage Service Charge		800	\$ -		800	\$ -	\$ -	
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 26.56			\$ 25.22	-\$ 1.34	-5.04%
RTSR - Network	\$ 0.0059	839	\$ 4.95	\$ 0.0058	839	\$ 4.87	-\$ 0.08	-1.69%
RTSR - Connection and/or Line and Transformation Connection		839	\$ -		839	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 31.51			\$ 30.09	-\$ 1.42	-4.52%
Wholesale Market Service Charge (VMSC)	\$ 0.0044	839	\$ 3.69	\$ 0.0044	839	\$ 3.69	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0012	839	\$ 1.01	\$ 0.0012	839	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
TOU - Off Peak	\$ 0.0670	512	\$ 34.30	\$ 0.0670	512	\$ 34.30	\$ -	0.00%
TOU - Mid Peak	\$ 0.1040	144	\$ 14.98	\$ 0.1040	144	\$ 14.98	\$ -	0.00%
TOU - On Peak	\$ 0.1240	144	\$ 17.86	\$ 0.1240	144	\$ 17.86	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 109.20			\$ 107.77	-\$ 1.42	-1.30%
HST	13%		\$ 14.20	13%		\$ 14.01	-\$ 0.19	-1.30%
Total Bill (including HST)			\$ 123.39			\$ 121.79	-\$ 1.61	-1.30%
Ontario Clean Energy Benefit ¹			-\$ 12.34			-\$ 12.18	\$ 0.16	-1.30%
Total Bill on TOU (including OCEB)			\$ 111.05			\$ 109.61	-\$ 1.45	-1.30%

Rate Class		GENERAL SERVICE LESS THAN 50 KW	
Loss Factor		1.0489	
Consumption	kWh	2,000	
If Billed on a kW basis:			
Demand	kW		
Load Factor		Update Bill Impacts	

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 16.45	1	\$ 16.45	\$ 16.53	1	\$ 16.53	\$ 0.08	0.49%
Distribution Volumetric Rate	\$ 0.0197	2,000	\$ 39.40	\$ 0.0198	2,000	\$ 39.60	\$ 0.20	0.51%
Fixed Rate Riders	\$ 9.76	1	\$ 9.76	\$ -	1	\$ -	-\$ 9.76	-100.00%
Volumetric Rate Riders	0.0003	2,000	\$ 0.60	0.0005	2,000	\$ 1.00	\$ 0.40	66.67%
Sub-Total A (excluding pass through)			\$ 66.21			\$ 57.13	-\$ 9.08	-13.71%
Line Losses on Cost of Power	\$ 0.0839	98	\$ 8.21	\$ 0.0839	98	\$ 8.21	\$ -	0.00%
Total Deferral/Variance	-0.0049	2,000	-\$ 9.80	-0.0028	2,000	-\$ 5.60	\$ 4.20	-42.86%
Account Rate Riders								
Low Voltage Service Charge		2,000	\$ -		2,000	\$ -	\$ -	
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 65.41			\$ 60.53	-\$ 4.88	-7.46%
RTSR - Network	\$ 0.0055	2,098	\$ 11.54	\$ 0.0054	2,098	\$ 11.33	-\$ 0.21	-1.82%
RTSR - Connection and/or Line and Transformation Connection		2,098	\$ -		2,098	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 76.95			\$ 71.86	-\$ 5.09	-6.61%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	2,098	\$ 9.23	\$ 0.0044	2,098	\$ 9.23	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0012	2,098	\$ 2.52	\$ 0.0012	2,098	\$ 2.52	\$ -	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%
TOU - Off Peak	\$ 0.0670	1,280	\$ 85.76	\$ 0.0670	1,280	\$ 85.76	\$ -	0.00%
TOU - Mid Peak	\$ 0.1040	360	\$ 37.44	\$ 0.1040	360	\$ 37.44	\$ -	0.00%
TOU - On Peak	\$ 0.1240	360	\$ 44.64	\$ 0.1240	360	\$ 44.64	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 270.78			\$ 265.69	-\$ 5.09	-1.88%
HST	13%		\$ 35.20	13%		\$ 34.54	-\$ 0.66	-1.88%
Total Bill (including HST)			\$ 305.98			\$ 300.23	-\$ 5.75	-1.88%
Ontario Clean Energy Benefit ¹			-\$ 30.60			-\$ 30.02	\$ 0.58	-1.90%
Total Bill on TOU (including OCEB)			\$ 275.38			\$ 270.21	-\$ 5.17	-1.88%

Rate Class		GENERAL SERVICE 50 TO 4,999 KW	
Loss Factor		1.0489	
Consumption	kWh	52,195	
If Billed on a kW basis:			
Demand	kW	130	Update Bill Impacts
Load Factor		55%	

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 110.00	1	\$ 110.00	\$ 110.53	1	\$ 110.53	\$ 0.53	0.48%
Distribution Volumetric Rate	\$ 5.2254	130	\$ 679.30	\$ 5.2505	130	\$ 682.57	\$ 3.26	0.48%
Fixed Rate Riders	\$ 6.52	1	\$ 6.52	\$ -	1	\$ -	-\$ 6.52	-100.00%
Volumetric Rate Riders	0.0373	130	\$ 4.85	0.0506	130	\$ 6.58	\$ 1.73	35.66%
Sub-Total A (excluding pass through)			\$ 800.67			\$ 799.67	-\$ 1.00	-0.12%
Line Losses on Cost of Power	\$ 0.0839	2,552	\$ 214.19	\$ 0.0839	2,552	\$ 214.19	\$ -	0.00%
Total Deferral/Variance	-1.1188	130	-\$ 145.44	-1.2243	130	-\$ 159.16	-\$ 13.72	9.43%
Account Rate Riders								
Low Voltage Service Charge		130	\$ -		130	\$ -	\$ -	
Smart Meter Entity Charge		1	\$ -		1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 869.42			\$ 854.71	-\$ 14.71	-1.69%
RTSR - Network	\$ 5.0600	130	\$ 657.80	\$ 4.9700	130	\$ 646.10	-\$ 11.70	-1.78%
RTSR - Connection and/or Line and Transformation Connection		130	\$ -		130	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,527.22			\$ 1,500.81	-\$ 26.41	-1.73%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	54,747	\$ 240.89	\$ 0.0044	54,747	\$ 240.89	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0012	54,747	\$ 65.70	\$ 0.0012	54,747	\$ 65.70	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	52,195	\$ 365.37	\$ 0.0070	52,195	\$ 365.37	\$ -	0.00%
TOU - Off Peak	\$ 0.0670	33,405	\$ 2,238.12	\$ 0.0670	33,405	\$ 2,238.12	\$ -	0.00%
TOU - Mid Peak	\$ 0.1040	9,395	\$ 977.09	\$ 0.1040	9,395	\$ 977.09	\$ -	0.00%
TOU - On Peak	\$ 0.1240	9,395	\$ 1,164.99	\$ 0.1240	9,395	\$ 1,164.99	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 6,579.62			\$ 6,553.21	-\$ 26.41	-0.40%
HST	13%		\$ 855.35	13%		\$ 851.92	-\$ 3.43	-0.40%
Total Bill (including HST)			\$ 7,434.97			\$ 7,405.13	-\$ 29.85	-0.40%
Ontario Clean Energy Benefit ¹			-\$ 743.50			-\$ 740.51	\$ 2.99	-0.40%
Total Bill on TOU (including OCEB)			\$ 6,691.47			\$ 6,664.62	-\$ 26.86	-0.40%

Rate Class		UNMETERED SCATTERED LOAD	
Loss Factor		1.0489	
Consumption	kWh	3,450	
If Billed on a kW basis:			
Demand	kW		
Load Factor		Update Bill Impacts	

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 12.20	1	\$ 12.20	\$ 12.26	1	\$ 12.26	\$ 0.06	0.49%
Distribution Volumetric Rate	\$ 0.0299	3,450	\$ 103.16	\$ 0.0300	3,450	\$ 103.50	\$ 0.34	0.33%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	0.0000	3,450	\$ -	0.0000	3,450	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 115.36			\$ 115.76	\$ 0.41	0.35%
Line Losses on Cost of Power	\$ 0.0839	169	\$ 14.16	\$ 0.0839	169	\$ 14.16	\$ -	0.00%
Total Deferral/Variance	-0.0049	3,450	-\$ 16.91	-0.0029	3,450	-\$ 10.01	\$ 6.90	-40.82%
Account Rate Riders							\$ -	
Low Voltage Service Charge		3,450	\$ -		3,450	\$ -	\$ -	
Smart Meter Entity Charge		1	\$ -		1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 112.61			\$ 119.91	\$ 7.31	6.49%
RTSR - Network	\$ 0.0055	3,619	\$ 19.90	\$ 0.0054	3,619	\$ 19.54	-\$ 0.36	-1.82%
RTSR - Connection and/or Line and Transformation Connection		3,619	\$ -		3,619	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 132.51			\$ 139.45	\$ 6.94	5.24%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	3,619	\$ 15.92	\$ 0.0044	3,619	\$ 15.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0012	3,619	\$ 4.34	\$ 0.0012	3,619	\$ 4.34	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	3,450	\$ 24.15	\$ 0.0070	3,450	\$ 24.15	\$ -	0.00%
TOU - Off Peak	\$ 0.0670	2,208	\$ 147.94	\$ 0.0670	2,208	\$ 147.94	\$ -	0.00%
TOU - Mid Peak	\$ 0.1040	621	\$ 64.58	\$ 0.1040	621	\$ 64.58	\$ -	0.00%
TOU - On Peak	\$ 0.1240	621	\$ 77.00	\$ 0.1240	621	\$ 77.00	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 466.70			\$ 473.64	\$ 6.94	1.49%
HST	13%		\$ 60.67	13%		\$ 61.57	\$ 0.90	1.49%
Total Bill (including HST)			\$ 527.37			\$ 535.22	\$ 7.85	1.49%
Ontario Clean Energy Benefit ¹			-\$ 52.74			-\$ 53.52	-\$ 0.78	1.48%
Total Bill on TOU (including OCEB)			\$ 474.63			\$ 481.70	\$ 7.07	1.49%

Rate Class SENTINEL LIGHTING			
Loss Factor		1.0489	
Consumption	kWh	56	
If Billed on a kW basis:			
Demand	kW	0.1522	
Load Factor		50%	Update Bill Impacts

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 2.82	1	\$ 2.82	\$ 2.83	1	\$ 2.83	\$ 0.01	0.35%
Distribution Volumetric Rate	\$ 26.2894	0	\$ 4.00	\$ 26.4156	0	\$ 4.02	\$ 0.02	0.48%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	0.0000	0	\$ -	0.0000	0	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 6.82			\$ 6.85	\$ 0.03	0.43%
Line Losses on Cost of Power	\$ 0.0839	3	\$ 0.23	\$ 0.0839	3	\$ 0.23	\$ -	0.00%
Total Deferral/Variance	-4.6117	0	-\$ 0.70	-1.0291	0	-\$ 0.16	\$ 0.55	-77.69%
Account Rate Riders		0	\$ -		0	\$ -	\$ -	
Low Voltage Service Charge		0	\$ -		0	\$ -	\$ -	
Smart Meter Entity Charge		1	\$ -		1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 6.35			\$ 6.92	\$ 0.57	9.05%
RTSR - Network	\$ 1.7006	0	\$ 0.26	\$ 1.6686	0	\$ 0.25	-\$ 0.00	-1.88%
RTSR - Connection and/or Line and Transformation Connection		0	\$ -		0	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 6.61			\$ 7.18	\$ 0.57	8.62%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	58	\$ 0.26	\$ 0.0044	58	\$ 0.26	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0012	58	\$ 0.07	\$ 0.0012	58	\$ 0.07	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	56	\$ 0.39	\$ 0.0070	56	\$ 0.39	\$ -	0.00%
TOU - Off Peak	\$ 0.0670	36	\$ 2.38	\$ 0.0670	36	\$ 2.38	\$ -	0.00%
TOU - Mid Peak	\$ 0.1040	10	\$ 1.04	\$ 0.1040	10	\$ 1.04	\$ -	0.00%
TOU - On Peak	\$ 0.1240	10	\$ 1.24	\$ 0.1240	10	\$ 1.24	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 12.23			\$ 12.80	\$ 0.57	4.66%
HST	13%		\$ 1.59	13%		\$ 1.66	\$ 0.07	4.66%
Total Bill (including HST)			\$ 13.82			\$ 14.47	\$ 0.64	4.66%
Ontario Clean Energy Benefit ¹			-\$ 1.38			-\$ 1.45	-\$ 0.07	5.07%
Total Bill on TOU (including OCEB)			\$ 12.44			\$ 13.02	\$ 0.57	4.61%

Rate Class	STREET LIGHTING		
Loss Factor	1.0489		
Consumption	kWh	1,825	
If Billed on a kW basis:			
Demand	kW		
Load Factor			

Update Bill Impacts

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 2.83	1	\$ 2.83	\$ 2.84	1	\$ 2.84	\$ 0.01	0.35%
Distribution Volumetric Rate	\$ 18.4267	1,825	\$ 33,628.73	\$ 18.5151	1,825	\$ 33,790.06	\$ 161.33	0.48%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	0.0000	1,825	\$ -	0.0000	1,825	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 33,631.56			\$ 33,792.90	\$ 161.34	0.48%
Line Losses on Cost of Power	\$ 0.0839	89	\$ 7.49	\$ 0.0839	89	\$ 7.49	\$ -	0.00%
Total Deferral/Variance	0.0000	1,825	\$ -	0.0000	1,825	\$ -	\$ -	
Account Rate Riders			\$ -			\$ -	\$ -	
Low Voltage Service Charge		1,825	\$ -		1,825	\$ -	\$ -	
Smart Meter Entity Charge		1	\$ -		1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 33,639.05			\$ 33,800.39	\$ 161.34	0.48%
RTSR - Network	\$ 1.6919	1,914	\$ 3,238.71	\$ 1.6601	1,914	\$ 3,177.83	-\$ 60.87	-1.88%
RTSR - Connection and/or Line and Transformation Connection		1,914	\$ -		1,914	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 36,877.75			\$ 36,978.22	\$ 100.47	0.27%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	1,914	\$ 8.42	\$ 0.0044	1,914	\$ 8.42	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0012	1,914	\$ 2.30	\$ 0.0012	1,914	\$ 2.30	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	1,825	\$ 12.78	\$ 0.0070	1,825	\$ 12.78	\$ -	0.00%
TOU - Off Peak	\$ 0.0670	1,168	\$ 78.26	\$ 0.0670	1,168	\$ 78.26	\$ -	0.00%
TOU - Mid Peak	\$ 0.1040	329	\$ 34.16	\$ 0.1040	329	\$ 34.16	\$ -	0.00%
TOU - On Peak	\$ 0.1240	329	\$ 40.73	\$ 0.1240	329	\$ 40.73	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 37,054.65			\$ 37,155.12	\$ 100.47	0.27%
HST	13%		\$ 4,817.10	13%		\$ 4,830.17	\$ 13.06	0.27%
Total Bill (including HST)			\$ 41,871.76			\$ 41,985.28	\$ 113.53	0.27%
<i>Ontario Clean Energy Benefit ¹</i>			<i>-\$ 4,187.18</i>			<i>-\$ 4,198.53</i>	<i>-\$ 11.35</i>	<i>0.27%</i>
Total Bill on TOU (including OCEB)			\$ 37,684.58			\$ 37,786.75	\$ 102.18	0.27%

EXHIBIT 3

Current Tariff of Rates and Charges

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date July 1, 2013

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

EB-2012-0162

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	9.66
Rate Rider for Recovery of Stranded Meter Assets - effective until April 30, 2014	\$	3.39
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0167
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2014	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kWh	(0.0053)
Rate Rider for Disposition of Global Adjustment Sub-Account (2013) – effective until April 30, 2014		
Applicable only for Non-RPP Customers	\$/kWh	0.0019
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0059

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date July 1, 2013

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

EB-2012-0162

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.45
Rate Rider for Recovery of Stranded Meter Assets - effective until April 30, 2014	\$	9.76
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0197
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2014	\$/kWh	0.0002
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2011 CDM Activities) - effective until April 30, 2014	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kWh	(0.0049)
Rate Rider for Disposition of Global Adjustment Sub-Account (2013) - effective until April 30, 2014	\$/kWh	0.0019
Applicable only for Non-RPP Customers	\$/kWh	0.0019
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date July 1, 2013

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

EB-2012-0162

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	110.00
Rate Rider for Recovery of Stranded Meter Assets - Effective until April 30, 2014	\$	6.52
Distribution Volumetric Rate	\$/kW	5.2254
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM)- Effective until April 30, 2014	\$/kW	0.0151
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA)		
(2011 CDM Activities) - effective until April 30, 2014	\$/kW	0.0222
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kW	(1.8699)
Rate Rider for Disposition of Global Adjustment Sub-Account (2013) – effective until April 30, 2014		
Applicable only for Non-RPP Customers	\$/kW	0.7511
Retail Transmission Rate – Network Service Rate	\$/kW	2.2434
Retail Transmission Rate – Network Service Rate - Interval Metered	\$/kW	2.8214

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date July 1, 2013

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

EB-2012-0162

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	12.20
Distribution Volumetric Rate	\$/kWh	0.0299
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kWh	(0.0049)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0055

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date July 1, 2013

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

EB-2012-0162

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.82
Distribution Volumetric Rate	\$/kW	26.2894
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kW	(4.6117)
Retail Transmission Rate – Network Service Rate	\$/kW	1.7006

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date July 1, 2013

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EB-2012-0162

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 OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.83
Distribution Volumetric Rate	\$/kW	18.4267
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kW	(4.5230)
Retail Transmission Rate – Network Service Rate	\$/kW	1.6919

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date July 1, 2013

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

EB-2012-0162

microFIT GENERATOR SERVICE CLASSIFICATION

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

APPLICATION

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge

\$ 5.40

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date July 1, 2013

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EB-2012-0162

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

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

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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	\$	15.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
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
Service call - customer-owned equipment	Time & materials	
Service call - after regular hour	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	
Removal of overhead lines – during regular hours	Time & materials	
Removal of overhead lines – after hours	Time & materials	
Roadway escort – after regular hours	Time & materials	
Specific Charge for Access to the Power Poles – per pole/year	\$	22.35

PUC Distribution Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date July 1, 2013

This schedule supersedes and replaces all previously
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EB-2012-0162

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

EXHIBIT 4

2014 Rate Generator Workform Model



Incentive Regulation Model for 2014 Filers

Version 2.3

Utility Name PUC Distribution Inc.

Service Territory Sault Ste Marie

Assigned EB Number EB-2013-0167

Name of Contact and Title Jennifer Uchmanowicz, Rate and Regulatory Affairs

Phone Number 705-759-3009

Email Address Jennifer.Uchmanowicz@ssmpuc.com


We are applying for rates effective Thursday, May 01, 2014

Rate-Setting Method IRM 4


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

2013

Notes

 Pale green cells represent input cells.

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

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

Note:

1. Rate year of application

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

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



Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

- | | |
|--------------------------------|------------------------------|
| 1. Information Sheet | 8. Calculation of Def-Var RR |
| 2. Table of Contents | 9. Rev2Cost_GDPIPI |
| 3. Rate Class Selection | 10. Other Charges & LF |
| 4. Current Tariff Schedule | 11. Proposed Rates |
| 5. 2014 Continuity Schedule | 12. Summary Sheet |
| 6. Billing Det. for Def-Var | 13. Final Tariff Schedule |
| 7. Cost Allocation for Def-Var | 14. Bill Impacts |



Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

Select the appropriate rate classes as they appear on your most recent Board-Approved Tariff of Rates and Charges, including the MicroFit Class.

How many classes are listed on your most recent Board-Approved Tariff of Rates and Charges?

7

Select Your Rate Classes from the **Blue Cells** below. Please ensure that a rate class is assigned to **each shaded cell.**

Rate Class Classification

1	RESIDENTIAL
2	GENERAL SERVICE LESS THAN 50 KW
3	GENERAL SERVICE 50 TO 4,999 KW
4	UNMETERED SCATTERED LOAD
5	SENTINEL LIGHTING
6	STREET LIGHTING
7	microFIT



Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

For each class, Applicants are required to copy and paste the class descriptions (located directly under the class name) and the description of the applicability of those rates (description is found under the class name and directly under the word "APPLICATION"). By using the drop-down lists located under the column labeled "Rate Description", please select the descriptions of the rates and charges that **BEST MATCHES** the descriptions on your most recent Board-Approved Tariff of Rates and Charges. If the description is not found in the drop-down list, please enter the description in the green cells under the correct class exactly as it appears on the tariff. Please do not enter more than one "Service Charge" for each class for which a base monthly fixed charge applies.

PUC Distribution Inc. TARIFF OF RATES AND CHARGES

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component (If applicable, Effective Date MUST be included in rate description)

Service Charge	\$	9.66
Rate Rider for Recovery of Stranded Meter Assets - effective until April 30, 2014	\$	3.39
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0167
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2014	\$/kWh	0.0004

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

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[illegible]

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

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

[illegible]

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

APPLICATION

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MONTHLY RATES AND CHARGES - Delivery Component (If applicable, Effective Date MUST be included in rate description)

[illegible]

Wholesale Market Service Rate

Rural Rate Protection Charge

Standard Supply Service - Administrative Charge (if applicable)

\$/kWh	0.0044
\$/kWh	0.0012
\$	0.2500

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.

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[illegible]

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

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 OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

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Service Charge (per connection)	\$	2.83
Distribution Volumetric Rate	\$/kW	18.4267
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until April 30, 2014	\$/kW	(4.5230)
Retail Transmission Rate - Network Service Rate	\$/kW	1.6919

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

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

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MONTHLY RATES AND CHARGES - Delivery Component (If applicable, Effective Date **MUST** be included in rate description)



Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

Please complete the following continuity schedule for the following Deferral / Variance Accounts. Enter information into green cells only.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2014 DVA schedule below will be the balance sheet date as per your G/L for which you received approval. For example, if in the 2013 EDR process (CoS or IRM) you received approval for the December 31, 2011 balances, the starting point for your entries below should be the adjustment column BQ for principal and column BV for interest. This will allow for the correct starting point for the 2012 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

			2011		2012												2013					
Account Descriptions		Account Number	Closing Principal Balance as of Dec-31-11	Closing Interest Amounts as of Dec-31-11	Opening Principal Amounts as of Jan-1-12	Transactions Debit / (Credit) during 2012 excluding interest and adjustments 2	Board-Approved Disposition during 2012	Other 1 Adjustments during Q1 2012	Other 1 Adjustments during Q2 2012	Other 1 Adjustments during Q3 2012	Other 1 Adjustments during Q4 2012	Closing Principal Balance as of Dec-31-12	Opening Interest Amounts as of Jan-1-12	Interest Jan-1 to Dec-31-12	Board-Approved Disposition during 2012	Adjustments during 2012 - other 1	Closing Interest Amounts as of Dec-31-12	Principal Disposition during 2013 - instructed by Board	Interest Disposition during 2013 - instructed by Board	Closing Principal Balances as of Dec 31-12 Adjusted for Dispositions during 2013	Closing Interest Balances as of Dec 31-12 Adjusted for Dispositions during 2013	
Group 1 Accounts																						
LV Variance Account	1550				0							0	0				0			0	0	
RSVA - Wholesale Market Service Charge	1580	(1,742,456)	(27,389)		(1,742,456)	(1,310,114)	(746,214)					(2,306,356)	(27,389)	(28,921)	(14,479)		(41,831)	(996,241)	(34,877)	(1,310,115)	(6,954)	
RSVA - Retail Transmission Network Charge	1584	89,730	6,363		89,730	(285,902)	272,636					(468,808)	6,363	(329)	5,331		703	(182,906)	(3,001)	(285,902)	3,704	
RSVA - Retail Transmission Connection Charge	1586				0							0	0				0			0	0	
RSVA - Power (excluding Global Adjustment)	1588	(1,617,569)	(48,115)		(1,617,569)	(318,550)	(195,832)					(1,740,287)	(48,115)	(38,799)	(3,669)		(83,245)	(1,421,736)	(75,796)	(318,551)	(7,449)	
RSVA - Global Adjustment	1589	144,400	15,912		144,400	(69,206)	(248,139)					323,333	15,912	19,328	(4,901)		40,141	392,539	29,468	(69,206)	10,673	
Recovery of Regulatory Asset Balances	1590				0							0	0				0			0	0	
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁵	1595	71,331	11,228		71,331	10,950	82,281					0	11,228	(12,627)	(1,399)		(0)			0	(0)	
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁵	1595				0							0	0				0			0	0	
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁵	1595	(74,909)	(14,197)		(74,909)							(74,909)	(14,197)	(3,248)			(17,445)	(74,909)	(15,849)	0	(1,596)	
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁵	1595	(478,301)	(2,585)		(478,301)	441,466						(36,835)	(2,585)	4,161			1,576			(36,835)	1,576	
Group 1 Sub-Total (including Account 1589 - Global Adjustment)			(3,607,774)	(58,782)	(3,607,774)	(1,531,356)	(835,268)	0	0	0	0	(4,303,862)	(58,782)	(60,435)	(19,117)	0	(100,101)	(2,283,253)	(100,055)	(2,020,609)	(46)	
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)			(3,752,174)	(74,694)	(3,752,174)	(1,462,150)	(587,129)	0	0	0	0	(4,627,195)	(74,694)	(79,763)	(14,216)	0	(140,242)	(2,675,792)	(129,523)	(1,951,403)	(10,719)	
RSVA - Global Adjustment			144,400	15,912	144,400	(69,206)	(248,139)	0	0	0	0	323,333	15,912	19,328	(4,901)	0	40,141	392,539	29,468	(69,206)	10,673	
Deferred Payments in Lieu of Taxes			1562	(303,665)	(78,451)	(303,665)	22,659				326,324	(0)	(78,451)			78,451	0			(0)	0	
Total of Group 1 and Account 1562				(3,911,439)	(137,233)	(3,911,439)	(1,531,356)	(812,609)	0	0	0	326,324	(4,303,862)	(137,233)	(60,435)	(19,117)	78,451	(100,101)	(2,283,253)	(100,055)	(2,020,609)	(46)
Special Purpose Charge Assessment Variance Account ⁴			1521																			
LRAM Variance Account ⁶			1568			0						0	0				0			0	0	
Total including Accounts 1562 and 1568				(3,911,439)	(137,233)	(3,911,439)	(1,531,356)	(812,609)	0	0	0	326,324	(4,303,862)	(137,233)	(60,435)	(19,117)	78,451	(100,101)	(2,283,253)	(100,055)	(2,020,609)	(46)

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

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

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

³ If the LDC's 2013 rate year begins January 1, 2014, the projected interest is recorded from January 1, 2013 to December 31, 2013 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision. If the LDC's 2014 rate year begins May 1, 2014 the projected interest is recorded from January 1, 2013 to April 30, 2014 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision.

⁴ Applicants that did not have the balance in Account 1521 cleared by the Board in the 2012 rate proceedings are expected to file to dispose of Account 1521 in the 2013 rate proceedings. No Account 1521 balance is to be filed for clearance in the 2013 rate proceedings for those distributors that had account 1521 cleared by the Board in the 2012 rate proceedings.

In accordance with section 8 of the Special Purpose Charge ("SPC") Regulation, Ontario Regulation 66/10, distributors were required to apply to the Board no later than April 15, 2012 for an order authorizing the distributor to clear the balance in Account 1521. As per the Board's April 23, 2010 letter, the Board stated that it expected that requests for disposition of the balance in Account 1521 were to be addressed as part of the proceedings to set rates for the 2012 rate year, except in cases where this approach would result in non-compliance with the timeline set out in section 8 of the SPC Regulation.

⁵ Include Account 1595 as part of Group 1 accounts (lines 31, 32, 33 and 34) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.



Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

Please complete the following continuity schedule for the following Deferral / Variance Accounts. Enter information into green cells only.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2014 DVA schedule below will be the balance sheet date as per your G/L for which you received approval. For example, if in the 2013 EDR process (CoS or IRM) you received approval for the December 31, 2011 balances, the starting point for your entries below should be the adjustment column BQ for principal and column BV for interest. This will allow for the correct starting point for the 2012 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

		Projected Interest on Dec-31-12 Balances			2.1.7 RRR	
Account Descriptions	Account Number	Projected Interest from Jan 1, 2013 to December 31, 2013 on Dec 31 -12 balance adjusted for disposition during 2013 ³	Projected Interest from January 1, 2013 to April 30, 2013 on Dec 31 -12 balance adjusted for disposition during 2013 ³	Total Claim	As of Dec 31-12	Variance RRR vs. 2012 Balance (Principal + Interest)
Group 1 Accounts						
LV Variance Account	1550	0		0		0
RSVA - Wholesale Market Service Charge	1580	(19,259)	(6,420)	(1,342,747)	(2,348,187)	(0)
RSVA - Retail Transmission Network Charge	1584	(4,203)	(1,401)	(287,802)	(468,105)	0
RSVA - Retail Transmission Connection Charge	1586	0		0		0
RSVA - Power (excluding Global Adjustment)	1588	(4,683)	(1,561)	(332,243)	(1,823,532)	(0)
RSVA - Global Adjustment	1589	(1,017)	(339)	(59,890)	363,474	0
Recovery of Regulatory Asset Balances	1590	0		0		0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁵	1595	0		(0)		0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁵	1595	0		0		0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁵	1595	1,596	0	0	(92,354)	(0)
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁵	1595	(271)	(180)	(35,710)	(35,258)	1
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		(27,836)	(9,901)	(2,058,392)	(4,403,962)	1
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		(26,819)	(9,562)	(1,998,503)	(4,767,436)	1
RSVA - Global Adjustment	1589	(1,017)	(339)	(59,890)	363,474	0
Deferred Payments in Lieu of Taxes	1562	(0)	0	(0)		0
Total of Group 1 and Account 1562		(27,836)	(9,901)	(2,058,392)	(4,403,962)	1
Special Purpose Charge Assessment Variance Account ⁴	1521					
LRAM Variance Account ⁶	1568			0		0
Total including Accounts 1562 and 1568		(27,836)	(9,901)	(2,058,392)	(4,403,962)	1

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

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved disposed balances, please provide amounts for adjustments and include supporting documentations.
For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.
If the LDC's 2013 rate year begins January 1, 2014, the projected interest is recorded from January 1, 2013 to December 31, 2013 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision. If the LDC's 2014 rate year begins May 1, 2014 the projected interest is recorded from January 1, 2013 to April 30, 2014 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision.

Applicants that did not have the balance in Account 1521 cleared by the Board in the 2012 rate proceedings are expected to file to dispose of Account 1521 in the 2013 rate proceedings. No Account 1521 balance is to be filed for clearance in the 2013 rate proceedings for those distributors that had account 1521 cleared by the Board in the 2012 rate proceedings.

In accordance with section 8 of the Special Purpose Charge ("SPC") Regulation, Ontario Regulation 66/10, distributors were required to apply to the Board no later than April 15, 2012 for an order authorizing the distributor to clear the balance in Account 1521. As per the Board's April 23, 2010 letter, the Board stated that it expected that requests for disposition of the balance in Account 1521 were to be addressed as part of the proceedings to set rates for the 2012 rate year, except in cases where this approach would result in non-compliance with the timeline set out in section 8 of the SPC Regulation.

Include Account 1595 as part of Group 1 accounts (lines 31, 32, 33 and 34) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.



Rate Class

[illegible]



Incentive Regulation Model
for 2014 Filers
PUC Distribution Inc. - Sault Ste Marie

No input required. This worksheet allocates the deferral/variance account balances (Group 1, 1521, 1588 GA, 1562 and 1568) to the appropriate classes as per the EDDVAR Report dated July 31, 2009

Allocation of Group 1 Accounts (including Accounts 1521, 1562, 1568)

Rate Class	% of Total kWh	% of Total non- RPP kWh	% of Total Distribution Revenue	1550	1580	1584	1586	1588*	1588 GA	1590	1595 (2008)	1595 (2009)	1595 (2010)	1595 (2011)	1562	1568
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Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

Input required at cell C15 only. This worksheet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and associated rate riders for the global adjustment sub-account. Rate Riders will not be generated for the MicroFit class.

Please indicate the Rate Rider Recovery Period (in years)

1

Rate Class	Unit	Billed kWh	Billed kW	Balance of Accounts Allocated by kWh/kW (RPP) or Distribution	Deferral/Variance Account Rate Rider	Allocation of Balance in Account 1588 Global	Billed kWh or Estimated kW for Non-RPP	Global Adjustment Rate Rider
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Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E.
The Price Escalator has been set at the 2013 values and will be updated by Board staff. The Stretch Factor Value may be updated by Board staff.

Price Escalator	1.60%	Choose Stretch Factor Group	III
Productivity Factor	0.72%	Associated Stretch Factor Value	0.40%
Price Cap Index	0.48%		

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 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

Please enter the following charges as found on your most recent Board-Approved Tariff Schedule. The standard Allowance rates have been included as default entries. If you have different rates, please make the appropriate corrections in the applicable cells below. As well, please enter the current Specific Service Charges below. The standard Retail Service Charges have been entered below. If you have different rates, please make the appropriate corrections in columns A, C or D as applicable (cells are unlocked).

UNIT RATE

ALLOWANCES

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

\$/kW	(0.60)
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Primary Metering Allowance for transformer losses – applied to measured demand and energy

%	(1.00)
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SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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

Customer Administration

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

\$	15.00
----	-------

Special meter reads

\$	30.00
----	-------

Meter dispute charge plus Measurement Canada fees (if meter found correct)

\$	30.00
----	-------

Non-Payment of Account

[illegible]

Removal of overhead lines - after hours
Roadway escort - after regular hours

	Time & Materials
	Time & Materials

RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

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

LOSS FACTORS

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW
Distribution Loss Factor - Primary Metered Customer < 5,000 kW

1.0489
1.0385



Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

Below is a listing of the proposed Monthly Fixed Charges, proposed Distribution Volumetric Rates, proposed Deferral and Variance account Rate Riders and all unexpired volumetric rates that were entered on Sheet 4. In the green cells (column A) below, please enter any additional rates being proposed (eg: LRAM/SSM, Tax Adjustments, etc). Please ensure that the word "Rider" or "Adder" is included in the description (as applicable). Note: All rates with expired effective dates have been removed. As well, the Current RTSR-Network and RTSR-Connection rate descriptions entered on Sheet 4 can be found below. The associated rates have been removed from this sheet, giving the applicant the opportunity to enter updated rates (from Sheet 13 in the Board-Approved RTSR model into the cells in column I.



Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

The following table provides applicants with a class to class comparison of current vs. proposed rates.

Current Rates

Rate Description	Unit	Amount
RESIDENTIAL		
Service Charge	\$	9.66
Rate Rider for Recovery of Stranded Meter Assets - effective until April 30, 2014	\$	3.39
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01670
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2014	\$/kWh	0.00040
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kWh	(0.00530)
Rate Rider for Disposition of Global Adjustment Sub-Account (2013) - effective until April 30, 2014 Applicable only for Non-RPP Customers	\$/kWh	0.00190
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00590
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
GENERAL SERVICE LESS THAN 50 KW		
Service Charge	\$	16.45
Rate Rider for Recovery of Stranded Meter Assets - effective until April 30, 2014	\$	9.76
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01970
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2014	\$/kWh	0.00020
Rate Rider for Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Recovery (2011 CDM Activities) - effective until April 30, 2014	\$/kWh	0.00010
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kWh	(0.00490)
Rate Rider for Disposition of Global Adjustment Sub-Account (2013) - effective until April 30, 2014 Applicable only for Non-RPP Customers	\$/kWh	0.00190
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00550
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
GENERAL SERVICE 50 TO 4,999 KW		
Service Charge	\$	110.00
Rate Rider for Recovery of Stranded Meter Assets - effective until April 30, 2014	\$	6.52
Distribution Volumetric Rate	\$/kW	5.22540
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2014	\$/kW	0.01510
Rate Rider for Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2011) - effective until April 30, 2014	\$/kW	0.02220
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kW	(1.86990)
Rate Rider for Disposition of Global Adjustment Sub-Account (2013) - effective until April 30, 2014 Applicable only for Non-RPP Customers	\$/kW	0.75110

Proposed Rates

Rate Description	Unit	Amount
RESIDENTIAL		
Service Charge	\$	9.71
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01680
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00290)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.00020)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00580
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2015	\$/kWh	0.00030
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAMVA) (2012 CDM Activities) - effective until April 30, 2015	\$/kWh	0.00010
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
GENERAL SERVICE LESS THAN 50 KW		
Service Charge	\$	16.53
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01980
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00280)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.00020)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00540
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2015	\$/kWh	0.00010
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAMVA) (2012 CDM Activities) - effective until April 30, 2015	\$/kWh	0.00040
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
GENERAL SERVICE 50 TO 4,999 KW		
Service Charge	\$	110.53
Distribution Volumetric Rate	\$/kW	5.25050
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(1.12890)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015 Applicable only for Non-RPP Customers	\$/kW	(0.09540)
Retail Transmission Rate - Network Service Rate	\$/kW	2.20120
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.76830
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2015	\$/kW	0.01890

Retail Transmission Rate - Network Service Rate	\$/kW	2.24340	Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAMVA) (2012 CDM Activities) - effective until April 30, 2015	\$/kW	0.03170
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.82140	Wholesale Market Service Rate	\$/kWh	0.00440
Wholesale Market Service Rate	\$/kWh	0.00440	Rural Rate Protection Charge	\$/kWh	0.00120
Rural Rate Protection Charge	\$/kWh	0.00120	Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25			
UNMETERED SCATTERED LOAD			UNMETERED SCATTERED LOAD		
Service Charge	\$	12.20	Service Charge	\$	12.26
Distribution Volumetric Rate	\$/kWh	0.02990	Distribution Volumetric Rate	\$/kWh	0.03000
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kWh	(0.00490)	Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00290)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00550	Retail Transmission Rate - Network Service Rate	\$/kWh	0.00540
Wholesale Market Service Rate	\$/kWh	0.00440	Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120	Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25	Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
SENTINEL LIGHTING			SENTINEL LIGHTING		
Service Charge (per connection)	\$	2.82	Service Charge (per connection)	\$	2.83
Distribution Volumetric Rate	\$/kW	26.28940	Distribution Volumetric Rate	\$/kW	26.41560
Rate Rider for Disposition of Deferral/Variance Accounts (2013) - effective until April 30, 2014	\$/kW	(4.61170)	Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(1.02910)
Retail Transmission Rate - Network Service Rate	\$/kW	1.70060	Retail Transmission Rate - Network Service Rate	\$/kW	1.66860
Wholesale Market Service Rate	\$/kWh	0.00440	Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120	Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25	Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
STREET LIGHTING			STREET LIGHTING		
Service Charge (per connection)	\$	2.83	Service Charge (per connection)	\$	2.84
Distribution Volumetric Rate	\$/kW	18.42670	Distribution Volumetric Rate	\$/kW	18.51510
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until April 30, 2014	\$/kW	(4.52300)	Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(1.00100)
Retail Transmission Rate - Network Service Rate	\$/kW	1.69190	Retail Transmission Rate - Network Service Rate	\$/kW	1.66010
Wholesale Market Service Rate	\$/kWh	0.00440	Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120	Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25	Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
microFIT			microFIT		
Service Charge	\$	5.40	Service Charge	\$	5.40



Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

The following is a complete Tariff Schedule based on the information entered in this model. Pressing the button on the right hand side will transfer the tariff schedule to a new file.

PUC Distribution Inc. **TARIFF OF RATES AND CHARGES** **Effective and Implementation Date May 01, 2014**

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

EB-2013-0167

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	9.71
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01680
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00290)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kWh	(0.00020)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00580
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2015	\$/kWh	0.00030
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAMVA) (2012 CDM Activities) - effective until April 30, 2015	\$/kWh	0.00010

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.53
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01980
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00280)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kWh	(0.00020)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00540
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2015	\$/kWh	0.00010
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAMVA) (2012 CDM Activities) - effective until April 30, 2015	\$/kWh	0.00040

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly 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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	110.53
Distribution Volumetric Rate	\$/kW	5.25050
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(1.12890)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kW	(0.09540)
Retail Transmission Rate - Network Service Rate	\$/kW	2.20120
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.76830
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) - effective until April 30, 2015	\$/kW	0.01890
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAMVA) (2012 CDM Activities) - effective until April 30, 2015	\$/kW	0.03170

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly 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 Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	12.26
Distribution Volumetric Rate	\$/kWh	0.03000
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00290)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00540

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.83
Distribution Volumetric Rate	\$/kW	26.41560
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(1.02910)
Retail Transmission Rate - Network Service Rate	\$/kW	1.66860

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting 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 OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.84
Distribution Volumetric Rate	\$/kW	18.51510
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(1.00100)
Retail Transmission Rate - Network Service Rate	\$/kW	1.66010

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

MICROFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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MONTHLY RATES AND CHARGES - Regulatory Component

MONTHLY RATES AND CHARGES - Regulatory Component

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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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	\$	15.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
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
Service call – customer owned equipment		Time & Material
Service call – after regular hours		Time & Material
Temporary Service – Install & remove – overhead – no transformer		Time & Material
Temporary Service – Install & remove – underground – no transformer		Time & Material
Temporary Service Install & Remove – Overhead – With Transformer		Time & Material
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35
Removal of overhead lines - during regular hours		Time & Material
Removal of overhead lines - after hours		Time & Material
Roadway escort - after regular hours		Time & Material

RETAIL SERVICE CHARGES (if applicable)

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

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

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

LOSS FACTORS

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

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



Incentive Regulation Model for 2014 Filers

PUC Distribution Inc. - Sault Ste Marie

Rate Class **RESIDENTIAL**

Loss Factor **1.0489**

Consumption **kWh** **800**

If Billed on a kW basis:

Demand **kW**

Load Factor

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 9.66	1	\$ 9.66	\$ 9.71	1	\$ 9.71	\$ 0.05	0.52%
Distribution Volumetric Rate	\$ 0.0167	800	\$ 13.36	\$ 0.0168	800	\$ 13.44	\$ 0.08	0.60%
Fixed Rate Riders	\$ 3.39	1	\$ 3.39	\$ -	1	\$ -	-\$ 3.39	-100.00%
Volumetric Rate Riders	0.0004	800	\$ 0.32	0.0004	800	\$ 0.32	\$ -	0.00%
Sub-Total A (excluding pass through)			\$ 26.73			\$ 23.47	-\$ 3.26	-12.20%
Line Losses on Cost of Power	\$ 0.0839	39	\$ 3.28	\$ 0.0839	39	\$ 3.28	\$ -	0.00%
Total Deferral/Variance Account	-0.0053	800	-\$ 4.24	-0.0029	800	-\$ 2.32	\$ 1.92	-45.28%
Rate Riders								
Low Voltage Service Charge		800	\$ -		800	\$ -	\$ -	
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 26.56			\$ 25.22	-\$ 1.34	-5.04%
RTSR - Network	\$ 0.0059	839	\$ 4.95	\$ 0.0058	839	\$ 4.87	-\$ 0.08	-1.69%
RTSR - Connection and/or Line and Transformation Connection		839	\$ -		839	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 31.51			\$ 30.09	-\$ 1.42	-4.52%
Wholesale Market Service Charge (WMSVC)	\$ 0.0044	839	\$ 3.69	\$ 0.0044	839	\$ 3.69	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0012	839	\$ 1.01	\$ 0.0012	839	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
TOU - Off Peak	\$ 0.0670	512	\$ 34.30	\$ 0.0670	512	\$ 34.30	\$ -	0.00%
TOU - Mid Peak	\$ 0.1040	144	\$ 14.98	\$ 0.1040	144	\$ 14.98	\$ -	0.00%
TOU - On Peak	\$ 0.1240	144	\$ 17.86	\$ 0.1240	144	\$ 17.86	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 109.20			\$ 107.77	-\$ 1.42	-1.30%
HST	13%		\$ 14.20	13%		\$ 14.01	-\$ 0.19	-1.30%
Total Bill (including HST)			\$ 123.39			\$ 121.79	-\$ 1.61	-1.30%
Ontario Clean Energy Benefit ¹			-\$ 12.34			-\$ 12.18	\$ 0.16	-1.30%
Total Bill on TOU (including OCEB)			\$ 111.05			\$ 109.61	-\$ 1.45	-1.30%

Note: For distributors who have a majority of customers on Tiered pricing, please provide a separate bill impact for such customers.

EXHIBIT 5

2014 RTSR Workform Model



v 4.0

RTSR Workform for Electricity Distributors (2014 Filers)

Utility Name	PUC Distribution Inc.
Service Territory	Sault Ste Marie
Assigned EB Number	EB-2013-0167
Name and Title	Jennifer Uchmanowicz, Rates and Regulatory Affairs Officer
Phone Number	705-759-3009
Email Address	Jennifer.Uchmanowicz@ssmpuc.com
Date	
Last COS Re-based Year	2013

Note: Drop-down lists are shaded blue; Input cells are shaded green.

This Workbook Model is protected by copyright and is being made available to you solely for the purpose of filing your COS/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.



RTSR Workform for Electricity Distributors (2014 Filers)

[1. Info](#)

[2. Table of Contents](#)

[3. Rate Classes](#)

[4. RRR Data](#)

[5. UTRs and Sub-Transmission](#)

[6. Historical Wholesale](#)

[7. Current Wholesale](#)

[8. Forecast Wholesale](#)

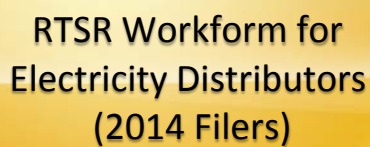
[9. Adj Network to Current WS](#)

[10. Adj Conn. to Current WS](#)

[11. Adj Network to Forecast WS](#)

[12. Adj Conn. to Forecast WS](#)

[13. Final 2013 RTS Rates](#)

[illegible]



RTSR Workform for Electricity Distributors (2014 Filers)

In the green shaded cells, enter the most recent reported RRR billing determinants. Please ensure that billing determinants are non-loss adjusted.

Rate Class	Unit	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Load Factor	Loss Adjusted Billed kWh	Billed kW
Residential	kWh	316,127,645		1.0489		331,586,287	-
General Service Less Than 50 kW	kWh	97,479,014		1.0489		102,245,738	-
General Service 50 to 4,999 kW	kW	50,862,818	125,567		55.52%	50,862,818	125,567
General Service 50 to 4,999 kW – Interval Metered	kW	203,451,269	502,269		55.52%	203,451,269	502,269
Unmetered Scattered Load	kWh	861,992		1.0489		904,143	-
Sentinel Lighting	kW	246,512	687		49.18%	246,512	687
Street Lighting	kW	7,736,459	21,596		49.10%	7,736,459	21,596



RTSR Workform for Electricity Distributors (2014 Filers)

Uniform Transmission Rates	Unit	Effective January 1, 2012	Effective January 1, 2013	Effective January 1, 2014
Rate Description		Rate	Rate	Rate
Network Service Rate	kW	\$ 3.57	\$ 3.63	\$ 3.63
Line Connection Service Rate	kW	\$ 0.80	\$ 0.75	\$ 0.75
Transformation Connection Service Rate	kW	\$ 1.86	\$ 1.85	\$ 1.85

Hydro One Sub-Transmission Rates	Unit	Effective January 1, 2012	Effective January 1, 2013	Effective January 1, 2014
Rate Description		Rate	Rate	Rate
Network Service Rate	kW	\$ 2.65	\$ 3.18	\$ 3.18
Line Connection Service Rate	kW	\$ 0.64	\$ 0.70	\$ 0.70
Transformation Connection Service Rate	kW	\$ 1.50	\$ 1.63	\$ 1.63
Both Line and Transformation Connection Service Rate	kW	\$ 2.14	\$ 2.33	\$ 2.33

If needed , add extra host here (I)	Unit	Effective January 1, 2012	Effective January 1, 2013	Effective January 1, 2014
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	Effective January 1, 2012	Effective January 1, 2013	Effective January 1, 2014
Rate Description		Rate	Rate	Rate
Network Service Rate	kW			
Line Connection Service Rate	kW			
Transformation Connection Service Rate	kW			
Both Line and Transformation Connection Service Rate	kW	\$ -	\$ -	\$ -

Hydro One Sub-Transmission Rate Rider 9A	Unit	Effective January 1, 2012	Effective January 1, 2013	Effective January 1, 2014
Rate Description		Rate	Rate	Rate
RSVA Transmission network – 4714 – which affects 1584	kW	\$ -	\$ 0.1465	\$ 0.1465
RSVA Transmission connection – 4716 – which affects 1586	kW	\$ -	\$ 0.0667	\$ 0.0667
RSVA LV – 4750 – which affects 1550	kW	\$ -	\$ 0.0475	\$ 0.0475
RARA 1 – 2252 – which affects 1590	kW	\$ -	\$ 0.0419	\$ 0.0419
RARA 1 – 2252 – which affects 1590 (2008)	kW	\$ -	-\$ 0.0270	-\$ 0.0270

RARA 1 - 2252 - which affects 1590 (2009)	kW	\$ -	-\$ 0.0006	-\$ 0.0006
Hydro One Sub-Transmission Rate Rider 9A	kW	<u>\$ -</u>	<u>\$ 0.2750</u>	<u>\$ 0.2750</u>
		Historical 2012	Current 2013	Forecast 2014
Transformer Allowance Credit (if applicable, enter as a negative value)	\$	-\$ 1	-\$ 1	-\$ 1



RTSR Workform for Electricity Distributors (2014 Filers)

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "4. RRR Data".
For Hydro One Sub-transmission Rates, if you are charged a *combined* Line and Transformer connection rate, please ensure that both the line connection and transformer connection columns are completed.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	129,620	\$3.57	\$ 462,743		\$0.00			\$0.00		\$ -
February	117,748	\$3.57	\$ 420,360		\$0.00			\$0.00		\$ -
March	117,925	\$3.57	\$ 420,992		\$0.00			\$0.00		\$ -
April	96,512	\$3.57	\$ 344,548		\$0.00			\$0.00		\$ -
May	69,284	\$3.57	\$ 247,344		\$0.00			\$0.00		\$ -
June	70,997	\$3.57	\$ 253,459		\$0.00			\$0.00		\$ -
July	73,607	\$3.57	\$ 262,777		\$0.00			\$0.00		\$ -
August	69,424	\$3.57	\$ 247,844		\$0.00			\$0.00		\$ -
September	71,840	\$3.57	\$ 256,469		\$0.00			\$0.00		\$ -
October	98,058	\$3.57	\$ 350,067		\$0.00			\$0.00		\$ -
November	113,590	\$3.57	\$ 405,516		\$0.00			\$0.00		\$ -
December	122,909	\$3.57	\$ 438,785		\$0.00			\$0.00		\$ -
Total	1,151,514	\$ 3.57	\$ 4,110,905	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$0.00			\$0.00			\$0.00		\$ -
February		\$0.00			\$0.00			\$0.00		\$ -
March		\$0.00			\$0.00			\$0.00		\$ -
April		\$0.00			\$0.00			\$0.00		\$ -
May		\$0.00			\$0.00			\$0.00		\$ -
June		\$0.00			\$0.00			\$0.00		\$ -
July		\$0.00			\$0.00			\$0.00		\$ -
August		\$0.00			\$0.00			\$0.00		\$ -
September		\$0.00			\$0.00			\$0.00		\$ -
October		\$0.00			\$0.00			\$0.00		\$ -
November		\$0.00			\$0.00			\$0.00		\$ -
December		\$0.00			\$0.00			\$0.00		\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (I) (if needed)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$0.00			\$0.00			\$0.00		\$ -
February		\$0.00			\$0.00			\$0.00		\$ -
March		\$0.00			\$0.00			\$0.00		\$ -
April		\$0.00			\$0.00			\$0.00		\$ -
May		\$0.00			\$0.00			\$0.00		\$ -
June		\$0.00			\$0.00			\$0.00		\$ -
July		\$0.00			\$0.00			\$0.00		\$ -
August		\$0.00			\$0.00			\$0.00		\$ -
September		\$0.00			\$0.00			\$0.00		\$ -
October		\$0.00			\$0.00			\$0.00		\$ -
November		\$0.00			\$0.00			\$0.00		\$ -
December		\$0.00			\$0.00			\$0.00		\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (II) (if needed)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$0.00			\$0.00			\$0.00		\$ -
February		\$0.00			\$0.00			\$0.00		\$ -
March		\$0.00			\$0.00			\$0.00		\$ -
April		\$0.00			\$0.00			\$0.00		\$ -



RTSR Workform for Electricity Distributors (2014 Filers)

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "4. RRR Data".
For Hydro One Sub-transmission Rates, if you are charged a *combined* Line and Transformer connection rate, please ensure that both the line connection and transformer connection columns are completed.

May		\$0.00			\$0.00			\$0.00		\$ -
June		\$0.00			\$0.00			\$0.00		\$ -
July		\$0.00			\$0.00			\$0.00		\$ -
August		\$0.00			\$0.00			\$0.00		\$ -
September		\$0.00			\$0.00			\$0.00		\$ -
October		\$0.00			\$0.00			\$0.00		\$ -
November		\$0.00			\$0.00			\$0.00		\$ -
December		\$0.00			\$0.00			\$0.00		\$ -
Total	-	\$ -	\$ -	-	-	\$ -	\$ -	-	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	129,620	\$3.57	\$ 462,743	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
February	117,748	\$3.57	\$ 420,360	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
March	117,925	\$3.57	\$ 420,992	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
April	96,512	\$3.57	\$ 344,548	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
May	69,284	\$3.57	\$ 247,344	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
June	70,997	\$3.57	\$ 253,459	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
July	73,607	\$3.57	\$ 262,777	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
August	69,424	\$3.57	\$ 247,844	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
September	71,840	\$3.57	\$ 256,469	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
October	98,058	\$3.57	\$ 350,067	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
November	113,590	\$3.57	\$ 405,516	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
December	122,909	\$3.57	\$ 438,785	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -
Total	1,151,514	\$ 3.57	\$ 4,110,905	-	\$ -	\$ -	-	\$ -	\$ -	\$ -



RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to calculate the expected billing when current 2013 Uniform Transmission Rates are applied against historical 2012 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	129,620	\$ 3.6300	\$ 470,521	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
February	117,748	\$ 3.6300	\$ 427,425	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
March	117,925	\$ 3.6300	\$ 428,068	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
April	96,512	\$ 3.6300	\$ 350,339	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
May	69,284	\$ 3.6300	\$ 251,501	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
June	70,997	\$ 3.6300	\$ 257,719	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
July	73,607	\$ 3.6300	\$ 267,193	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
August	69,424	\$ 3.6300	\$ 252,009	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
September	71,840	\$ 3.6300	\$ 260,779	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
October	98,058	\$ 3.6300	\$ 355,951	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
November	113,590	\$ 3.6300	\$ 412,332	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
December	122,909	\$ 3.6300	\$ 446,160	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
Total	1,151,514	\$ 3.63	\$ 4,179,996	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
February	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
March	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
April	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
May	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
June	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
July	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
August	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
September	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
October	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
November	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
December	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
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	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -



RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to calculate the expected billing when current 2013 Uniform Transmission Rates are applied against historical 2012 transmission units.

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	129,620	\$3.63	\$ 470,521	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
February	117,748	\$3.63	\$ 427,425	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
March	117,925	\$3.63	\$ 428,068	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
April	96,512	\$3.63	\$ 350,339	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
May	69,284	\$3.63	\$ 251,501	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
June	70,997	\$3.63	\$ 257,719	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
July	73,607	\$3.63	\$ 267,193	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
August	69,424	\$3.63	\$ 252,009	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
September	71,840	\$3.63	\$ 260,779	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
October	98,058	\$3.63	\$ 355,951	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
November	113,590	\$3.63	\$ 412,332	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
December	122,909	\$3.63	\$ 446,160	-	\$0.00	\$ -	-	\$0.00	\$ -	\$ -				
Total	1,151,514	\$ 3.63	\$ 4,179,996	-	\$ -	\$ -	-	\$ -	\$ -	\$ -				



RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to calculate the expected billing when forecasted 2014 Uniform Transmission Rates are applied against historical 2012 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	129,620	\$ 3.6300	\$ 470,521	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
February	117,748	\$ 3.6300	\$ 427,425	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
March	117,925	\$ 3.6300	\$ 428,068	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
April	96,512	\$ 3.6300	\$ 350,339	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
May	69,284	\$ 3.6300	\$ 251,501	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
June	70,997	\$ 3.6300	\$ 257,719	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
July	73,607	\$ 3.6300	\$ 267,193	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
August	69,424	\$ 3.6300	\$ 252,009	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
September	71,840	\$ 3.6300	\$ 260,779	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
October	98,058	\$ 3.6300	\$ 355,951	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
November	113,590	\$ 3.6300	\$ 412,332	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
December	122,909	\$ 3.6300	\$ 446,160	-	\$ 0.7500	\$ -	-	\$ 1.8500	\$ -	\$ -
Total	1,151,514	\$ 3.63	\$ 4,179,996	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
February	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
March	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
April	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
May	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
June	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
July	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
August	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
September	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
October	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
November	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
December	-	\$ 3.3265	\$ -	-	\$ 0.7667	\$ -	-	\$ 1.6300	\$ -	\$ -
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	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -



RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to calculate the expected billing when forecasted 2014 Uniform Transmission Rates are applied against historical 2012 transmission units.

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	129,620	\$ 3.63	\$ 470,521		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
February	117,748	\$ 3.63	\$ 427,425		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
March	117,925	\$ 3.63	\$ 428,068		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
April	96,512	\$ 3.63	\$ 350,339		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
May	69,284	\$ 3.63	\$ 251,501		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
June	70,997	\$ 3.63	\$ 257,719		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
July	73,607	\$ 3.63	\$ 267,193		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
August	69,424	\$ 3.63	\$ 252,009		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
September	71,840	\$ 3.63	\$ 260,779		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
October	98,058	\$ 3.63	\$ 355,951		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
November	113,590	\$ 3.63	\$ 412,332		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
December	122,909	\$ 3.63	\$ 446,160		-	\$ -	\$ -		-	\$ -	\$ -		\$ -
Total	1,151,514	\$ 3.63	\$ 4,179,996		-	\$ -	\$ -		-	\$ -	\$ -		\$ -



RTSR Workform for Electricity Distributors (2014 Filers)

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

Rate Class	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Loss Adjusted Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR Network
Residential	kWh	\$ 0.0059	331,586,287	-	\$ 1,956,359	45.9%	\$ 1,919,533	\$0.0058
General Service Less Than 50 kW	kWh	\$ 0.0055	102,245,738	-	\$ 562,352	13.2%	\$ 551,766	\$0.0054
General Service 50 to 4,999 kW	kW	\$ 2.2434	50,862,818	125,567	\$ 281,697	6.6%	\$ 276,394	\$2.2012
General Service 50 to 4,999 kW – Interval Metered	kW	\$ 2.8214	203,451,269	502,269	\$ 1,417,102	33.3%	\$ 1,390,427	\$2.7683
Unmetered Scattered Load	kWh	\$ 0.0055	904,143	-	\$ 4,973	0.1%	\$ 4,879	\$0.0054
Sentinel Lighting	kW	\$ 1.7006	246,512	687	\$ 1,168	0.0%	\$ 1,146	\$1.6686
Street Lighting	kW	\$ 1.6919	7,736,459	21,596	\$ 36,538	0.9%	\$ 35,850	\$1.6601
					\$ 4,260,189			



RTSR Workform for Electricity Distributors (2014 Filers)

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

Rate Class	Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Loss Adjusted Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR Connection
Residential	kWh	\$ -	331,586,287	-	\$ -			#VALUE!
General Service Less Than 50 kW	kWh	\$ -	102,245,738	-	\$ -			#VALUE!
General Service 50 to 4,999 kW	kW	\$ -	50,862,818	125,567	\$ -			#VALUE!
General Service 50 to 4,999 kW – Interval Metered	kW	\$ -	203,451,269	502,269	\$ -			#VALUE!
Unmetered Scattered Load	kWh	\$ -	904,143	-	\$ -			#VALUE!
Sentinel Lighting	kW	\$ -	246,512	687	\$ -			#VALUE!
Street Lighting	kW	\$ -	7,736,459	21,596	\$ -			#VALUE!
					\$ -			



RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to update the re-align RTS Network Rates to recover forecast wholesale network costs.

Rate Class	Unit	Adjusted RTSR- Network	Loss Adjusted Billed kWh	Loss Adjusted Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR Network
Residential	kWh	\$0.0058	331,586,287	-	1,919,532.97	45.9%	\$ 1,919,533	\$0.0058
General Service Less Than 50 kW	kWh	\$0.0054	102,245,738	-	\$ 551,766	13.2%	\$ 551,766	\$0.0054
General Service 50 to 4,999 kW	kW	\$2.2012	50,862,818	125,567	\$ 276,394	6.6%	\$ 276,394	\$2.2012
General Service 50 to 4,999 kW – Interval Metered	kW	\$2.7683	203,451,269	502,269	\$ 1,390,427	33.3%	\$ 1,390,427	\$2.7683
Unmetered Scattered Load	kWh	\$0.0054	904,143	-	\$ 4,879	0.1%	\$ 4,879	\$0.0054
Sentinel Lighting	kW	\$1.6686	246,512	687	\$ 1,146	0.0%	\$ 1,146	\$1.6686
Street Lighting	kW	\$1.6601	7,736,459	21,596	\$ 35,850	0.9%	\$ 35,850	\$1.6601
					\$ 4,179,996			



RTSR Workform for Electricity Distributors (2014 Filers)

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

Rate Class	Unit	Adjusted RTSR- Connection	Loss Adjusted Billed kWh	Loss Adjusted Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR Connection
Residential	kWh	#VALUE!	331,586,287	-	#VALUE!			#VALUE!
General Service Less Than 50 kW	kWh	#VALUE!	102,245,738	-	#VALUE!			#VALUE!
General Service 50 to 4,999 kW	kW	#VALUE!	50,862,818	125,567	#VALUE!			#VALUE!
General Service 50 to 4,999 kW – Interval Metered	kW	#VALUE!	203,451,269	502,269	#VALUE!			#VALUE!
Unmetered Scattered Load	kWh	#VALUE!	904,143	-	#VALUE!			#VALUE!
Sentinel Lighting	kW	#VALUE!	246,512	687	#VALUE!			#VALUE!
Street Lighting	kW	#VALUE!	7,736,459	21,596	#VALUE!			#VALUE!
					#VALUE!			



RTSR Workform for Electricity Distributors (2014 Filers)

For Cost of Service Applicants, please enter the following Proposed RTSR rates into your rates model.

For IRM applicants, please enter these rates into the 2013 IRM Rate Generator, Sheet 11 "Proposed Rates", column I.
Please note that the rate descriptions for the RTSRs are transferred automatically from Sheet 4 to Sheet 11, Column A.

Rate Class	Unit	Proposed RTSR Network		Proposed RTSR Connection
Residential	kWh	\$	0.0058	#VALUE!
General Service Less Than 50 kW	kWh	\$	0.0054	#VALUE!
General Service 50 to 4,999 kW	kW	\$	2.2012	#VALUE!
General Service 50 to 4,999 kW – Interval Metered	kW	\$	2.7683	#VALUE!
Unmetered Scattered Load	kWh	\$	0.0054	#VALUE!
Sentinel Lighting	kW	\$	1.6686	#VALUE!
Street Lighting	kW	\$	1.6601	#VALUE!

EXHIBIT 6

2014 Shared Tax Savings Workform



Incentive Regulation Shared Tax Savings Model for 2014 Filers

Version 1.1

Utility Name	PUC Distribution Inc.
Service Territory Name	Sault Ste Marie
Assigned EB Number	EB-2013-0167
Name and Title	Jennifer Uchmanowicz, Rates and Regulatory Affairs Officer
Phone Number	705-759-3009
Email Address	Jennifer.Uchmanowicz@ssmpuc.com
Date	
Last COS Re-based Year	2013

Note: Drop-down lists are shaded blue; Input cells are shaded green.

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 Shared Tax Savings Model for 2014 Filers

- 1. Info**
- 2. Table of Contents**
- 3. Re-Based Billing Determinants and Rates**
- 4. Re-Based Revenue from Rates**
- 5. Z-Factor Tax Changes**
- 6. Calculation of Tax Change Variable Rate Rider**



Incentive Regulation Shared Tax Savings Model for 2014 Filers

Enter your 2013 Base Monthly Fixed Charge and Distribution Volumetric Charge into columns labeled "Rate ReBal Base Service Charge" and "Rate ReBal Base Distribution Volumetric Rate kWh/kW" respectively.

Last COS Re-based Year was in 2013

Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Rate ReBal Base Service Charge D	Rate ReBal Base Distribution Volumetric Rate kWh E	Rate ReBal Base Distribution Volumetric Rate kW F
RES	Residential	Customer	kWh	29,271	340,561,450		9.66	0.0167	
GSLT50	General Service Less Than 50 kW	Customer	kWh	3,401	102,179,766		16.45	0.0197	
GSGT50	General Service 50 to 4,999 kW	Customer	kW	399	251,632,820	628,286	110.00		5.2254
USL	Unmetered Scattered Load	Customer	kWh	21	872,889		12.20	0.0299	
Sen	Sentinel Lighting	Connection	kW	387	254,165	710	2.82		26.2894
SL	Street Lighting	Connection	kW	8,904	7,907,160	22,680	2.83		18.4267
NA	Rate Class 7	NA	NA						
NA	Rate Class 8	NA	NA						
NA	Rate Class 9	NA	NA						
NA	Rate Class 10	NA	NA						
NA	Rate Class 11	NA	NA						
NA	Rate Class 12	NA	NA						
NA	Rate Class 13	NA	NA						
NA	Rate Class 14	NA	NA						
NA	Rate Class 15	NA	NA						
NA	Rate Class 16	NA	NA						
NA	Rate Class 17	NA	NA						
NA	Rate Class 18	NA	NA						
NA	Rate Class 19	NA	NA						
NA	Rate Class 20	NA	NA						
NA	Rate Class 21	NA	NA						
NA	Rate Class 22	NA	NA						
NA	Rate Class 23	NA	NA						
NA	Rate Class 24	NA	NA						
NA	Rate Class 25	NA	NA						



Incentive Regulation Shared Tax Savings Model for 2014 Filers

Calculating Re-Based Revenue from rates. No input required.

Last COS Re-based Year was in 2013

Rate Class	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Rate ReBal Base Service Charge D	Rate ReBal Base Distribution Volumetric Rate kWh E	Rate ReBal Base 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
Residential	29,271	340,561,450	0	9.66	0.0167	0.0000	3,393,094	5,687,376	0	9,080,471
General Service Less Than 50 kW	3,401	102,179,766	0	16.45	0.0197	0.0000	671,357	2,012,941	0	2,684,299
General Service 50 to 4,999 kW	399	251,632,820	628,286	110.00	0.0000	5.2254	526,680	0	3,283,046	3,809,726
Unmetered Scattered Load	21	872,889	0	12.20	0.0299	0.0000	3,074	26,099	0	29,174
Sentinel Lighting	387	254,165	710	2.82	0.0000	26.2894	13,096	0	18,665	31,762
Street Lighting	8,904	7,907,160	22,680	2.83	0.0000	18.4267	302,380	0	417,918	720,297
							4,909,682	7,726,417	3,719,629	16,355,728



Incentive Regulation Shared Tax Savings Model for 2014 Filers

This worksheet calculates the tax sharing amount.

Step 1: Press the Update Button (this will clear all input cells and reveal your latest cost of service re-basing year).
Step 2: In the green input cells below, please enter the information related to the last Cost of Service Filing.

Summary - Sharing of Tax Change Forecast Amounts

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

1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2013	2014
Taxable Capital		\$ -
Deduction from taxable capital up to \$15,000,000		\$ -
Net Taxable Capital	\$ -	\$ -
Rate	0.000%	0.000%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -

2. Tax Related Amounts Forecast from Income Tax Rate Changes

	2013	2014
Regulatory Taxable Income	\$ 861,643	\$ 861,643
Corporate Tax Rate	22.44%	22.44%
Tax Impact	\$ 19,335	\$ 193,335
Grossed-up Tax Amount	\$ 249,266	\$ 249,266
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 249,266	\$ 249,266
Total Tax Related Amounts	\$ 249,266	\$ 249,266
Incremental Tax Savings		-\$ 0
Sharing of Tax Savings (50%)		-\$ 0



Incentive Regulation Shared Tax Savings Model for 2014 Filers

This worksheet calculates a tax change volumetric rate rider. No input required. The outputs in column Q and S are to be entered into Sheet 11 "Proposed Rates" of the 2014 IRM Rate Generator Model. Rate description should be entered as "Rate Rider for Tax Change".

Rate Class	Total Revenue \$ by Rate Class A	Total Revenue % by Rate Class B = A / \$H	Total Z-Factor Tax Change\$ by Rate Class C = \$I * B	Billed kWh D	Billed kW E	Distribution Volumetric Rate kWh Rate Rider F = C / D	Distribution Volumetric Rate kW Rate Rider G = C / E
Residential	\$9,080,471	55.52%	\$0	340,561,450	0	\$0.0000	
General Service Less Than 50 kW	\$2,684,299	16.41%	\$0	102,179,766	0	\$0.0000	
General Service 50 to 4,999 kW	\$3,809,726	23.29%	\$0	251,632,820	628,286		\$0.0000
Unmetered Scattered Load	\$29,174	0.18%	\$0	872,889	0	\$0.0000	
Sentinel Lighting	\$31,762	0.19%	\$0	254,165	710		\$0.0000
Street Lighting	\$720,297	4.40%	\$0	7,907,160	22,680		\$0.0000
	<u>\$16,355,728</u> H	<u>100.00%</u>	<u>\$0</u> I				

EXHIBIT 7

IndEco Strategic Consulting Inc. – Report and Addendum to Third Party Review of PUC
Distribution LRAM and SSM Claims

RE:

PUC Distribution Inc. LRAM/SSM third party review

Date:

September 26, 2013

Summary

This is an addendum to IndEco's *Third party review: PUC Distribution Inc. LRAM and SSM claims* (October 24, 2011) to update the data and report on the lost revenue from the persisting energy savings and demand reductions resulting from PUC's 2005-2010 CDM programs in the time period of May 1, 2012 to April 30, 2013.

Introduction

The Ontario Energy Board (OEB) has awarded PUC Distribution Inc. (PUC) lost revenue claims up to April 30, 2012 related to conservation and demand management (CDM) programs from 2005-2010 in previous rate case decisions.¹ IndEco Strategic Consulting Inc. (IndEco) prepared the *Third party review: PUC Distribution Inc. LRAM and SSM claims* dated October 24, 2011 for PUC in support of these claims.

PUC has requested that IndEco report on the lost revenue for the 2012 rate year (May 1, 2012 to April 30, 2013) related to CDM programs from 2005-2010.

Methodology and data

In calculating the lost revenue for the 2012 rate year, IndEco made the following changes to the methodology and data used in the third party review report:

- The input data were updated to reflect the *2006-2010 Final OPA CDM Results* report issued on November 28, 2011, after the third party review was completed.
- Rates were adjusted to include the Rate Rider for Tax Adjustment in addition to the Distribution Volumetric Rate, in compliance with the latest CDM Guidelines.² (This lowers slightly the lost revenue to be claimed.)
- The lost revenue associated with the High Performance New Construction program was reallocated to the General Service (GS) 50 to 4,999 kW rate class from the GS < 50 kW rate class, based on the market for this program.

¹ See EB-2011-0101 and EB-2012-0162

² *Guidelines for Electricity Distributor Conservation and Demand Management*. Ontario Energy Board. April 26, 2012 (EB-2012-0003).

Results

The following are updated versions of the results tables from the third party review report.

Table 1 – Source of information used for the calculation of the LRAM/SSM claim

Unchanged from third party review report

Table 2 – Summary of Net TRC benefits and SSM entitlement

There are no additional SSM claims

Table 3 – Cumulative net program energy savings and demand reductions by rate class for 2012 rate year

Funding source	Program	Year	Residential (kWh)	GS < 50 kW (kWh)	GS > 50 kW (kW-mo)
OPA	Aboriginal	2007			
	Cool & Hot Savings Rebate	2006	1,701		
		2007	2,537		
	Cool Savings Rebate	2008	2,959		
		2009	3,738		
		2010	2,036		
	Electricity Retrofit Incentive	2008			681
		2009			1,672
		2010			576
	Energy Efficiency Assistance for Houses Pilot	2007	9,212		
	Every Kilowatt Counts	2008	12,693		
	Power Savings Event	2009	6,245		
		2010	2,269		
	Great Refrigerator Roundup	2007	4,159		
		2008	6,671		
		2009	2,553		
		2010	2,429		
	High Performance New Construction	2008			36
		2009			422
		2010			1,398
	Multifamily Energy	2010		637	

Funding source	Program	Year	Residential (kWh)	GS < 50 kW (kWh)	GS > 50 kW (kW-mo)
	Efficiency Rebates				
	Power Savings Blitz	2010		6,439	
	Secondary Refrigerator Retirement Pilot	2006			
	Social Housing Pilot	2007	1,451		
	Summer Savings	2007	521		
	Summer Sweepstakes	2008	4,286		
	OPA subtotal		65,460	7,077	4,785
Third Tranche	Customer Conservation Program - ETS units	2006			
	Education and Information	2005			
		2006			
		2007			
	Every Kilowatt Counts	2006	5,689		
		2007	15,232		
	Partnership Programs	2005			
		2006	1,472		
		2007			
		2008			
	Planning and Coordination	2005			
		2006			
		2007			
		2008			
Third Tranche subtotal			19,136,168	22,394	0
Total net savings			38,894,976	87,854	7,077

Table 4 – Cumulative gross program energy savings and peak demand reductions by rate class

Updated version of this table omitted, as gross savings do not directly impact lost revenue

Table 5 – Distribution rates for each rate class within PUC's service territory for 2012 rate year

Rate Class	Units	2012 ¹	2013 ²
Residential	\$/kWh	0.0148	0.0148
GS < 50 kW	\$/kWh	0.0176	0.0176

Rate Class	Units	2012 ¹	2013 ²
GS 50 to 4,999 kW	\$/kW	4.3274	4.3307

1. Rates used for the calendar year 2012 are an average of 2011 and 2012 rates using the formula 4 times 2011 rates (for Jan 1 – Apr 30, 2012) plus 8 times 2012 rates (for May 1 – Dec 31, 2012) divided by 12.
2. Rates were adjusted to include the Rate Rider for Tax Adjustment in addition to the Distribution Volumetric Rate, in compliance with the latest CDM Guidelines

Table 6 – Summary of lost revenue amounts¹

	Lost revenues in calendar year 2012	Amount already awarded for Jan 1 to Apr 30, 2012	Jan 1 to Apr 30, 2013	Total
Residential programs				
2005 programs	\$0	\$0	\$0	\$0
2006 programs	\$8,862	-\$3,006	\$2,954	\$8,810
2007 programs	\$33,113	-\$8,392	\$11,038	\$35,758
2008 programs	\$28,755	-\$9,758	\$7,438	\$26,436
2009 programs	\$12,830	-\$3,540	\$3,984	\$13,273
2010 programs	\$6,734	-\$2,194	\$2,245	\$6,785
Residential total	\$90,294	-\$26,890	\$27,658	\$91,061
GS < 50 kW programs				
2005 programs	\$0	\$0	\$0	\$0
2006 programs	\$0	\$0	\$0	\$0
2007 programs	\$0	\$0	\$0	\$0
2008 programs	\$0	-\$7	\$0	-\$7

	Lost revenues in calendar year 2012	Amount already awarded for Jan 1 to Apr 30, 2012	Jan 1 to Apr 30, 2013	Total
2009 programs	\$0	-\$237	\$0	-\$237
2010 programs	\$7,063	-\$3,144	\$2,359	\$6,278
GS < 50 kW total	\$7,063	-\$3,389	\$2,359	\$6,034
GS > 50 kW programs				
2005 programs	\$0	\$0	\$0	\$0
2006 programs	\$0	\$0	\$0	\$0
2007 programs	\$0	\$0	\$0	\$0
2008 programs	\$1,551	-\$546	\$518	\$1,523
2009 programs	\$4,531	-\$1,056	\$1,511	\$4,987
2010 programs	\$4,272	-\$420	\$1,425	\$5,276
GS > 50 kW total	\$10,354	-\$2,022	\$3,454	\$11,786
Grand total	\$107,712	-\$32,301	\$33,471	\$108,881

1. The lost revenue for the 2012 rate year is the sum of the lost revenue for May 1 to December 31, 2012 and January 1 to April 30, 2013. The lost revenue for May 1 to December 31, 2012 was determined by calculating the lost revenue for the 2012 calendar year using the methodology alterations outlined in this addendum and subtracting the lost revenue previously awarded by the OEB for January 1 to April 30, 2012. The lost revenue for January 1 to April 30, 2013 was determined by dividing the total lost revenue for the 2013 calendar year by 3.



Table 7 – (New table) Carrying charges on lost revenue for 2012 rate year¹

Month	Monthly rate	Residential	GS < 50 kW	GS 50 to 4,999 kW
May-12	0.12%	\$0.00	\$0.00	\$0.00
Jun-12	0.12%	\$18.59	\$1.23	\$2.41
Jul-12	0.12%	\$27.89	\$1.85	\$3.61
Aug-12	0.12%	\$37.18	\$2.46	\$4.81
Sep-12	0.12%	\$46.48	\$3.08	\$6.02
Oct-12	0.12%	\$55.78	\$3.70	\$7.22
Nov-12	0.12%	\$65.07	\$4.31	\$8.42
Dec-12	0.12%	\$74.37	\$4.93	\$9.63
Jan-13	0.12%	\$83.66	\$5.54	\$10.83
Feb-13	0.12%	\$92.96	\$6.16	\$12.03
Mar-13	0.12%	\$102.25	\$6.78	\$13.23
Apr-13	0.12%	\$111.55	\$7.39	\$14.44
Total for Rate year 2012		\$715.78	\$47.43	\$92.64

1. The carrying charges are simple interest, not compounded and are calculated on the monthly lost revenue balance. Because OPA final savings are reported annually, and monthly estimates are not available, the incremental savings are assumed to be equally distributed across the months. So 1/12 of the annual savings are allocated to the first month, and 12/12 of the annual savings to twelfth month. Carrying charges accrue from the time of the savings, until disposition.

Results

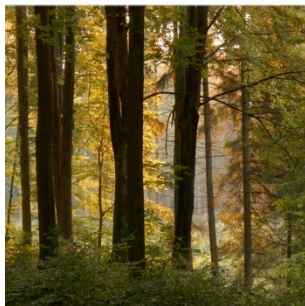
Based on the updated data made available by the OPA and the updated methodology outlined in this addendum, IndEco has determined the lost revenue for May 1, 2012 to April 30, 2013 related to PUC's CDM programs in 2005 to 2010 to be \$108,881 and the carrying charges were determined to be \$855.85. A summary by rate class is presented below:



Table 8 – lost revenue and carrying charges by rate class for 2012 rate year

Rate class	Lost revenue	Carrying charges	Total
Residential	\$91,061	\$716	\$91,777
GS < 50 kW	\$6,034	\$47	\$6,081
GS 50 to 4,999 kW	\$11,786	\$93	\$11,879
Total	\$108,881	\$856	\$109,737

PUC Distribution Inc. LRAM/SSM



Third party review:

PUC Distribution Inc. LRAM and SSM claims



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

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IndEco report B1697

24 October 2011

Contents

Executive summary	v
Introduction.....	1
What is the lost revenue adjustment mechanism (LRAM)	1
What is the shared savings mechanism (SSM)?	1
Sources of information	1
Scope 3	
TRC inputs, and requested SSM and LRAM amounts	4
TRC inputs.....	4
Requested SSM amounts	4
Requested LRAM amounts	5
Findings	14
References.....	15
Appendix A. Inputs used for TRC and energy savings calculations	16

List of tables

Table 1 – Source of information used for the calculation of the LRAM/SSM claim.....	6
Table 2 – Summary of Net TRC benefits and SSM entitlement.....	7
Table 3 – Cumulative net program energy savings and peak demand savings by rate class through April 30, 2012	8
Table 4 – Cumulative gross program energy savings and peak demand savings by rate class through April 30, 2012	10
Table 5 – Distribution rates for each service area within PUC’s service territory	11
Table 7 – Summary of requested LRAM amounts in 2012\$ ¹	12
Table 8 – LRAM and SSM amounts by rate class in 2012\$	14
Table 9 - SSM inputs and contribution to the total SSM for all measures.	16
Table 10 – LRAM inputs and contribution to the total LRAM for all measures.	18
Table 11 –LRAM contributions and carrying charges.	37

Executive summary

A third party review of the Conservation and Demand Management (CDM) programs run by PUC Distribution Inc. (PUC) was required as part of its application to the Ontario Energy Board (OEB) for collection of Lost Revenue Adjustment Mechanism (LRAM) and Shared Savings Mechanism (SSM) claims.

IndEco Strategic Consulting Inc. (IndEco) acted as third party reviewer by examining the participant rates, program costs, equipment specifications, and calculations that enter into the energy savings and Total Resource Costs (TRC) submitted by PUC to the OEB. The review was completed as detailed in the OEB *Guidelines for Electricity Distributor Conservation and Demand Management*.

The third party review included PUC's CDM activities in 2005, 2006, 2007, 2008 and 2009 and 2010 supported through Third Tranche of Market Adjustment Revenue Requirement (MARR) funding, and Ontario Power Authority (OPA) funding.

Net benefits, calculated using the TRC test, used OEB recommended inputs. For prescriptive programs, inputs were taken from the OEB *Total Resource Cost Guide*, or program evaluations provided by the OPA. Net TRC benefits totalled over \$1 million dollars.

Lost revenues are calculated using estimated energy savings or monthly peak demand savings using the best available and most current input assumptions. Energy savings for prescriptive programs originally reported in PUC Distribution Inc.'s annual filings have been updated to reflect new assumptions available since then. In the span of the LRAM claim, these savings totalled over 38 GWh in the Residential rate class and 1.3 GWh in the GS < 50 kW rate class. Savings in the GS 50 to 4,999 kW rate class totalled approximately 4 MW-months.

IndEco concludes that PUC's electricity rates should be adjusted to reflect LRAM and SSM claims of \$623,790 and \$53,663 respectively.

Introduction

Lost Revenue Adjustment Mechanism and Shared Savings Mechanism claims can benefit a local distribution company (LDC) by removing the disincentive for energy conservation, and by providing it with a portion of net economic benefits from conservation and demand management activities, respectively.

What is the lost revenue adjustment mechanism (LRAM)

LRAM is designed to ensure that the LDC does not have a disincentive to promote energy efficiency and energy conservation by compensating the LDC for revenues lost as a result of its conservation initiatives. Calculation of lost revenues requires information on what the electricity use would have been in the absence of the LDC initiatives, and what it was with the LDC initiative. Some of the inputs to the calculation include: hours the equipment is used, wattage rating of the old and new equipment, and lifetime of the equipment if it is less than the period over which the LRAM is being claimed. Also required are the number of participants, or pieces of equipment installed, and an estimate of the free-rider rate, which is the fraction of the savings that would have occurred anyway, in the absence of the program. These savings are estimated by rate class, and revenue losses are determined by multiplying those losses by the cost of distribution per unit for each rate class. Carrying charges are calculated using deferral and variance account interest rates prescribed by the OEB.¹

What is the shared savings mechanism (SSM)?

The SSM rewards the LDC for its CDM initiatives by sharing a percentage of the net economic benefits that result from the initiatives over their lifetime. For CDM activities by Ontario electricity distributors, that percentage has been set at five percent by the Ontario Energy Board (OEB). Key inputs to the calculation of SSM include all of the LRAM inputs, and in addition, the total lifetime of each technology installed, equipment costs, program costs, projected electricity costs (and water and natural gas if relevant) over that lifetime.

Sources of information

Although these input data requirements are sometimes measured, they sometimes use values from published sources, or assumptions provided by the Ontario Energy Board, or other reputable agencies. Collectively all these data are sometimes referred to as “TRC inputs” after the Total Resource Cost test that is used to calculate total economic costs and benefits to society. For some types of programs, such as large scale distribution of compact fluorescent bulbs, it would be impractical to

¹ For prescribed interest rates, see <http://www.oeb.gov.on.ca/OEB/Industry/Rules+and+Requirements/Rules+Codes+Guidelines+and+Forms/Prescr>
PUC DISTRIBUTION INC. LRAM/SSM

measure the hours each bulb is used, for example, and therefore these published sources provide an average value that is typical for this equipment type.

In some cases, estimated values for a particular component of the calculation are available from multiple sources. In these cases, information is taken from the sources highest in the information hierarchy. The information hierarchy (from greatest to least confidence) for LRAM calculations is:

- 1 Information or results from an OPA conducted or sponsored evaluation of the specific program (e.g. OPA 2010)
- 2 Information or results from a third-party evaluation of the specific program
- 3 Information or results from a site-specific assessment of the application of the technology, including on-site measurement or survey of the specific customer
- 4 Manufacturer specifications for energy use/demand of the specific technology installed
- 5 Information from the OPA's most current measures and assumptions lists (OPA 2011a, OPA 2011b)
- 6 Information from earlier OPA measures and assumptions lists
- 7 Information from the OEB's TRC guide list of measures and assumptions (OEB 2008b).

Scope

This review examines the measures, energy savings, program costs and net TRC benefits for the programs in PUC's third tranche CDM portfolio. These programs ran in 2005, 2006, 2007, and 2008. It also includes programs run under contract to the Ontario Power Authority (OPA) in 2006, 2007, 2008, 2009 and 2010. Lost revenues associated with these programs are estimated through April 30, 2012.

In the TRC calculation, benefits and costs are reported in current dollars, which requires a discount rate for future dollars. Even though these activities are at the margin, OEB has dictated that the discount rate to be used is the weighted average cost of capital (WACC). The WACC provided by PUC is as follows:

- 2006: 7.67%
- 2007: 7.67%

Because the WACC is only used to calculate present values for TRC calculations used for SSM claims, it is only required for 2006 and 2007 since these are the only years for which an SSM amount is being claimed.

TRC inputs, and requested SSM and LRAM amounts

TRC inputs

Inputs used to calculate energy savings, TRC costs and TRC benefits for each prescriptive and custom measure were reviewed to ensure accuracy and suitability.

IndEco finds that appropriate measure specifications were used to calculate program energy savings and net TRC benefits. For the calculation of LRAM claims, prescriptive measures used values provided by the 2011 OPA Measures and Assumptions lists (OPA 2011a and OPA 2011b). For the calculation of SSM claims, the best available information at the beginning of the year the program was launched was used. This is consistent with the guidance in section 7.3 of the *OEB Guidelines for Electricity CDM* (OEB 2008a). Custom measures were substantiated through program-specific documentation and calculations.

Exceptions to the sources of prescriptive measure input assumptions used in the calculation of LRAM claims are as follows:

- The '2006-2009 Final OPA CDM results. PUC Distribution Inc.' and the '2010 Final CDM Results summary PUC Distribution Inc.' were used as sources of inputs for OPA-evaluated programs. These evaluated results have been adopted in accordance with Board recommendations that "The Board would consider an evaluation by the OPA or a third party designated by the OPA to be sufficient."² OPA advises that these estimates are prepared in a manner consistent with OPA current practice, and are the same values used to report progress against provincial conservation targets

A summary list of the assumption sources used for the calculation of the LRAM claim is provided in Table 1.

The measure inputs used to calculate SSM and LRAM claims can be found in Table 8 and Table 9 in Appendix A, respectively.

Requested SSM amounts

Equipment costs and benefits were calculated by entering the measure assumptions found in Table 8 of Appendix A into IndEco's TRC calculator.

SSM amounts were calculated for all third tranche programs, including the 2006 and 2007 EKC programs, for which PUC played a central role, and funded its contribution from third tranche funds.

² OEB 2008a. Guidelines for Electricity Distributor Conservation and Demand Management. p.28

The EKC program design was changed in 2008 and PUC's participation was not integral to the program. Therefore no SSM is claimed on net benefits from the 2008, 2009 or 2010 programs.

SSM amounts and TRC benefits net of free riders for all applicable programs are shown in Table 2.

Requested LRAM amounts

LRAM calculations are to be completed with the best information available at the time of the third party review. As such, the energy savings indicated in PUC's annual reports for programs in PUC's CDM portfolio were recalculated with the assumptions found in Table 9 in Appendix A.

Energy savings for measures installed between 2005 and 31 December 2010 were calculated to April 30, 2012.

Tables 3 and 4 show the net and gross energy savings or demand reductions of each program by rate class. OPA program energy savings in Tables 3 and 4 were acquired directly from spreadsheets provided by the OPA.

Energy savings were converted to LRAM values by using PUC distribution rates. Distribution rates are in Table 5.

The requested LRAM is presented in Table 6.

Table 1 – Source of information used for the calculation of the LRAM/SSM claim

Funding source	Rate class	Program	Source of inputs
OPA	Residential	2006 Secondary Refrigerator Retirement Pilot	OPA 2010
OPA	Residential	2006 Cool & Hot Savings Rebate	OPA 2010
OPA	Residential	2007 Great Refrigerator Roundup	OPA 2010
OPA	Residential	2007 Cool & Hot Savings Rebate	OPA 2010
OPA	Residential	2007 Summer Savings	OPA 2010
OPA	Residential	2007 Aboriginal	OPA 2010
OPA	Residential	2007 Social Housing Pilot	OPA 2010
OPA	Residential	2007 Energy Efficiency Assistance for Houses Pilot	OPA 2010
OPA	Residential	2008 Great Refrigerator Roundup	OPA 2010
OPA	Residential	2008 Cool Savings Rebate	OPA 2010
OPA	Residential	2008 Every Kilowatt Counts Power Savings Event	OPA 2010
OPA	Residential	2008 Summer Sweepstakes	OPA 2010
OPA	Residential	2009 Great Refrigerator Roundup	OPA 2010
OPA	Residential	2009 Cool Savings Rebate	OPA 2010
OPA	Residential	2009 Every Kilowatt Counts Power Savings Event	OPA 2010
OPA	Residential	2010 Cool Savings Rebate	OPA 2011c
OPA	Residential	2010 Every Kilowatt Counts Power Savings Event	OPA 2011c
OPA	Residential	2010 Great Refrigerator Roundup	OPA 2011c
OPA	GS < 50 kW	2008 High Performance New Construction	OPA 2010
OPA	GS < 50 kW	2009 High Performance New Construction	OPA 2010
OPA	GS < 50 kW	2010 High Performance New Construction	OPA 2011c
OPA	GS < 50 kW	2010 Multifamily Energy Efficiency Rebates	OPA 2011c
OPA	GS < 50 kW	2010 Power Savings Blitz	OPA 2011c
OPA	GS 50 to 4,999 kW	2008 Electricity Retrofit Incentive	OPA 2010
OPA	GS 50 to 4,999 kW	2009 Electricity Retrofit Incentive	OPA 2010
OPA	GS 50 to 4,999 kW	2010 Electricity Retrofit Incentive	OPA 2011c
Third Tranche	Residential	2006 Every Kilowatt Counts	OPA 2010
Third Tranche	Residential	2007 Every Kilowatt Counts	OPA 2010
Third Tranche	Residential	2006 Partnership Programs	OEB 2008b (SSM), OPA 2011a (LRAM)

1. The sources of SSM inputs were the best available at the onset of the program.

Table 2 – Summary of Net TRC benefits and SSM entitlement

Program	Year	Residential	GS < 50 kW	GS 50 to 4,999 kW	Net TRC	SSM claim
Customer Conservation Program - ETS units	2006		-\$6,461		-\$6,461	-\$323
Education and Information	2005	-\$1,958	-\$1,958	-\$1,958	-\$5,875	-\$294
	2006	-\$4,615	-\$4,615	-\$4,615	-\$13,844	-\$692
	2007	-\$12,816	-\$12,816	-\$12,816	-\$38,448	-\$1,922
Every Kilowatt Counts	2006	\$877,505			\$877,505	\$43,875
	2007	\$411,908			\$411,908	\$20,595
Partnership Programs	2005	-\$3,640			-\$3,640	-\$182
	2006	\$53,083			\$53,083	\$2,654
	2007	-\$2,430	-\$2,430	-\$2,430	-\$7,289	-\$364
	2008	-\$75,000	-\$75,000		-\$150,000	-\$7,500
Planning and Coordination	2005	-\$11,431			-\$11,431	-\$572
	2006	-\$5,480	-\$5,480	-\$5,480	-\$16,440	-\$822
	2007	-\$2,373	-\$2,373	-\$2,373	-\$7,118	-\$356
	2008	-\$4,346	-\$4,346		-\$8,692	-\$435
Total		\$1,218,407	-\$115,479	-\$29,672	\$1,073,257	\$53,663

Table 3 – Cumulative net program energy savings and peak demand savings by rate class through April 30, 2012

Funding source	Program	Year	Residential (kWh)	GS < 50 kW (kWh)	GS > 50 kW (kW-mo)
OPA	Aboriginal	2007	2,278,800		
	Cool & Hot Savings Rebate	2006	727,660		
		2007	956,823		
	Cool Savings Rebate	2008	866,147		
		2009	845,943		
		2010	309,069		
	Electricity Retrofit Incentive	2008			1,592
		2009			2,353
		2010			649
	Energy Efficiency Assistance for Houses Pilot	2007	301,735		
	Every Kilowatt Counts	2008	4,331,259		
	Power Savings Event	2009	1,428,750		
		2010	357,811		
	Great Refrigerator Roundup	2007	1,503,330		
		2008	1,956,358		
		2009	96,625		
		2010	352,210		
	High Performance New Construction	2008		5,461	
		2009		133,502	
		2010		309,739	
	Multifamily Energy Efficiency Rebates	2010		84,471	
	Power Savings Blitz	2010		844,858	
	Secondary Refrigerator Retirement Pilot	2006	279,289		
	Social Housing Pilot	2007	522,839		
	Summer Savings	2007	762,096		
	Summer Sweepstakes	2008	1,882,066		
OPA subtotal			19,758,809	1,378,031	4,595
Third Tranche	Customer Conservation Program - ETS units	2006			
	Education and Information	2005			
		2006			
		2007			
	Every Kilowatt Counts	2006	12,823,010		
		2007	5,683,353		
	Partnership Programs	2005			
		2006	629,805		
		2007			
		2008			

Funding source	Program	Year	Residential (kWh)	GS < 50 kW (kWh)	GS > 50 kW (kW-mo)
	Planning and Coordination	2005			
		2006			
		2007			
		2008			
Third Tranche subtotal			19,136,168	0	0
Total net savings			38,894,976	1,378,031	4,595

1. Rates for general service rate class of customers rated at greater than 50 kW are on a monthly demand basis (kW), not an energy one (kWh). Lost revenue results when the customer's monthly peak demand is lower than it otherwise would be as a result of the CDM initiatives. These are measured in kW-month, which is the reduction within one month of the peak kilowatt demand. Excluded are peak demand reductions associated with demand response programs, which are not anticipated to impact on revenues.

Table 4 – Cumulative gross program energy savings and peak demand savings by rate class through April 30, 2012

Funding source	Program	Year	Residential (kWh)	GS < 50 kW (kWh)	GS > 50 kW (kW-mo)
OPA	Aboriginal	2007	2,278,800		
	Cool & Hot Savings Rebate	2006	909,796		
		2007	1,842,126		
	Cool Savings Rebate	2008	1,479,102		
		2009	1,931,362		
		2010	724,879		
	Electricity Retrofit Incentive	2008			3,045
		2009			3,224
		2010			1,279
	Energy Efficiency Assistance for Houses Pilot	2007	297,067		
	Every Kilowatt Counts	2008	10,557,110		
	Power Savings Event	2009	3,652,291		
		2010	746,330		
	Great Refrigerator Roundup	2007	3,649,882		
		2008	3,538,520		
		2009	176,711		
		2010	641,232		
	High Performance New Construction	2008		7,652	
		2009		185,996	
		2010		426,834	
	Multifamily Energy Efficiency Rebates	2010		110,617	
	Power Savings Blitz	2010		816,868	
	Secondary Refrigerator Retirement Pilot	2006	310,321		
	Social Housing Pilot	2007	514,750		
	Summer Savings	2007	6,326,594		
	Summer Sweepstakes	2008	2,379,588		
OPA subtotal			41,956,463	1,547,967	7,547
Third Tranche	Customer Conservation Program - ETS units	2006			
	Education and Information	2005			
		2006			
		2007			
	Every Kilowatt Counts	2006	14,212,550		
		2007	7,603,931		
	Partnership Programs	2005			
		2006	888,000		
		2007			
		2008			

Funding source	Program	Year	Residential (kWh)	GS < 50 kW (kWh)	GS > 50 kW (kW-mo)
	Planning and Coordination	2005			
		2006			
		2007			
		2008			
Third Tranche subtotal			22,704,481	0	0
Total net savings			64,660,944	1,547,967	7,547

Table 5 – Distribution rates for each service area within PUC's service territory

Rate Class	Units	2005	2006	2007	2008	2009	2010	2011
Residential	\$/kWh	0.012	0.011	0.0112	0.015	0.0151	0.0151	0.0151
GS < 50 kW	\$/kWh	0.0189	0.0185	0.0187	0.0185	0.0182	0.0178	0.0178
GS 50 to 4,999 kW	\$/kW	4.0722	3.6481	3.6781	4.5237	4.4791	4.3769	4.3848

Table 6 – Summary of requested LRAM amounts in 2012\$¹

Funding	Program	Year	Residential	GS < 50 kW	GS 50 to 4,999 kW	LRAM
OPA	Aboriginal	2007	\$33,854	\$0	\$0	\$33,854
	Cool & Hot Savings Rebate	2006	\$10,628	\$0	\$0	\$10,628
		2007	\$14,315	\$0	\$0	\$14,315
	Cool Savings Rebate	2008	\$13,467	\$0	\$0	\$13,467
		2009	\$13,057	\$0	\$0	\$13,057
		2010	\$4,749	\$0	\$0	\$4,749
	Electricity Retrofit Incentive	2008	\$0	\$0	\$7,429	\$7,429
		2009	\$0	\$0	\$10,880	\$10,880
		2010	\$0	\$0	\$2,999	\$2,999
	Energy Efficiency Assistance for Houses Pilot	2007	\$4,514	\$0	\$0	\$4,514
	Every Kilowatt Counts	2008	\$67,365	\$0	\$0	\$67,365
	Power Savings Event	2009	\$22,055	\$0	\$0	\$22,055
		2010	\$5,498	\$0	\$0	\$5,498
	Great Refrigerator Roundup	2007	\$22,492	\$0	\$0	\$22,492
		2008	\$30,418	\$0	\$0	\$30,418
		2009	\$1,491	\$0	\$0	\$1,491
		2010	\$5,412	\$0	\$0	\$5,412
	High Performance New Construction	2008	\$0	\$102	\$0	\$102
		2009	\$0	\$2,446	\$0	\$2,446
		2010	\$0	\$5,610	\$0	\$5,610
	Multifamily Energy Efficiency Rebates	2010	\$0	\$1,530	\$0	\$1,530
	Power Savings Blitz	2010	\$0	\$15,303	\$0	\$15,303
	Secondary Refrigerator Retirement Pilot	2006	\$4,070	\$0	\$0	\$4,070
	Social Housing Pilot	2007	\$7,822	\$0	\$0	\$7,822
	Summer Savings	2007	\$10,144	\$0	\$0	\$10,144
	Summer Sweepstakes	2008	\$29,263	\$0	\$0	\$29,263
OPA subtotal			\$300,616	\$24,990	\$21,308	\$346,914
Third Tranche	Customer Conservation Program - ETS units	2006	\$0	\$0	\$0	\$0
	Education and Information	2005	\$0	\$0	\$0	\$0
		2006	\$0	\$0	\$0	\$0
		2007	\$0	\$0	\$0	\$0
	Every Kilowatt Counts	2006	\$182,682	\$0	\$0	\$182,682
		2007	\$84,995	\$0	\$0	\$84,995
	Partnership Programs	2005	\$0	\$0	\$0	\$0
		2006	\$9,199	\$0	\$0	\$9,199
		2007	\$0	\$0	\$0	\$0

Funding	Program	Year	Residential	GS < 50 kW	GS 50 to 4,999 kW	LRAM
		2008	\$0	\$0	\$0	\$0
	Planning and	2005	\$0	\$0	\$0	\$0
	Coordination	2006	\$0	\$0	\$0	\$0
		2007	\$0	\$0	\$0	\$0
		2008	\$0	\$0	\$0	\$0
Third Tranche subtotal			\$276,876	\$0	\$0	\$276,876
Total			\$577,492	\$24,990	\$21,308	\$623,790

1. LRAM amounts are for energy (or demand) reductions for the years between the year the program began through April 30, 2012.

Findings

The Third Tranche programs in PUC's CDM portfolio were completed as of December 31, 2008. Although the OEB guidance for this report asks for comments on future program evaluation and improvements to program performance, this expectation is not relevant for these programs that have ended and are not expected to be reinitiated.

IndEco has reviewed the input values and custom project justifications used to calculate the energy savings and net TRC benefits resulting from PUC's portfolio as well as those associated with 2006, 2007, 2008, 2009, and 2010 OPA-funded programs.

IndEco has concluded that sufficient detail and documentation exists to recommend increasing PUC Distribution Inc.'s distribution rates in order to collect \$623,790 in LRAM and \$53,663 in SSM amounts, allocated by rate class as shown in Table 7.

Table 7 – LRAM and SSM amounts by rate class in 2012\$

Rate class	LRAM	SSM
Residential	\$577,492	\$60,920
General Service < 50 kW	\$24,990	(\$5,774)
General Service 50 - 4,999 kW	\$21,308	(\$1,484)
Total	\$623,790	\$53,663

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Appendix A. Inputs used for TRC and energy savings calculations

Table 8 - SSM inputs and contribution to the total SSM for all measures

Program	Energy Efficient Measure	Units	Measure life	Free riders	Annual energy savings (kWh/a)	SSM	Assumption Source
2006 Every Kilowatt Counts	Energy Star® Compact Fluorescent Light Bulb - Spring Campaign	11,134	4	10%	104	\$11,792	OPA 2010
2006 Every Kilowatt Counts	Electric Timers - Spring Campaign	312	20	10%	183	\$1,991	OPA 2010
2006 Every Kilowatt Counts	Programmable Thermostats - Spring Campaign	136	15	10%	216	\$706	OPA 2010
2006 Every Kilowatt Counts	Energy Star® Ceiling Fans - Spring Campaign	103	20	10%	141	\$476	OPA 2010
2006 Every Kilowatt Counts	Energy Star® Compact Fluorescent Light Bulb - Autumn Campaign	16,508	4	10%	104	\$17,484	OPA 2010
2006 Every Kilowatt Counts	Seasonal Light Emitting Diode Light String - Autumn Campaign	3,973	30	10%	31	\$3,610	OPA 2010
2006 Every Kilowatt Counts	Programmable Thermostats - Autumn Campaign	262	18	10%	522	\$5,941	OPA 2010
2006 Every Kilowatt Counts	Dimmers - Autumn Campaign	207	10	10%	139	\$542	OPA 2010
2006 Every Kilowatt Counts	Indoor Motion Sensors - Autumn Campaign	74	20	10%	209	\$522	OPA 2010
2006 Every Kilowatt Counts	Programmable Basebaord Thermostats - Autumn Campaign	16	18	10%	1,466	\$811	OPA 2010
2007 Every Kilowatt Counts	15 W CFL	19,577	8	22%	43	\$13,642	OPA 2010
2007 Every Kilowatt Counts	20+ W CFL	3,187	8	22%	62	\$3,461	OPA 2010
2007 Every Kilowatt Counts	Energy Star® Light Fixture	76	16	45%	123	\$155	OPA 2010
2007 Every Kilowatt Counts	T8 Fluorescent Tube	149	18	23%	37	\$67	OPA 2010
2007 Every Kilowatt Counts	Seasonal LED Light String	5,187	5	51%	14	(\$535)	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free riders	Annual energy savings (kWh/a)	SSM	Assumption Source
2007 Every Kilowatt Counts	Project Porchlight CFL	4,120	8	24%	43	\$2,797	OPA 2010
2007 Every Kilowatt Counts	Solar Light	2,513	5	87%	5	(\$55)	OPA 2010
2007 Every Kilowatt Counts	Energy Star® Ceiling Fan	158	10	45%	90	\$11	OPA 2010
2007 Every Kilowatt Counts	Furnace Filter	636	1	45%	38	(\$165)	OPA 2010
2007 Every Kilowatt Counts	Power Bar with Timer	70	10	23%	72	\$43	OPA 2010
2007 Every Kilowatt Counts	Lighting Control Device	805	10	45%	72	\$580	OPA 2010
2007 Every Kilowatt Counts	Outdoor Motion Sensor	251	10	45%	160	\$467	OPA 2010
2007 Every Kilowatt Counts	Dimmer Switch	160	10	45%	24	\$1	OPA 2010
2007 Every Kilowatt Counts	Programmable Thermostat	154	15	45%	75	\$127	OPA 2010
2006 Partnership Programs	13W CFLs	3,200	4	10%	104	\$3,749	OEB 2008b
2006 Customer Conservation Program - ETS units	ETS units	4	15	0%	0	\$21	PUC 2008
Total equipment contribution to SSM						\$68,240	

The net TRC benefits are the total technology benefits less the total technology costs (net of free riders) less the total program costs. The total net technology benefits and costs are \$1,572,118 and \$207,309. The total program cost for all programs is \$291,561. Net TRC benefits are thus \$1,073,248. The SSM incentive is 5% of these net TRC benefits, or \$53,662.

Table 9 – LRAM inputs and contribution to the total LRAM for all measures.

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
2006 Secondary Refrigerator Retirement Pilot	Refrigerator Retirement	42	6	10%	1,200	\$3,942	OPA 2010
2006 Secondary Refrigerator Retirement Pilot	Freezer Retirement	2	6	10%	900	\$128	OPA 2010
2006 Cool & Hot Savings Rebate	Energy Star® Central Air Conditioner - Cool Savings	120	14	10%	390	\$3,887	OPA 2010
2006 Cool & Hot Savings Rebate	Programmable Thermostat - Cool Savings	91	18	10%	177	\$1,341	OPA 2010
2006 Cool & Hot Savings Rebate	Central Air Conditioner Tune-ups - Cool Savings	82	8	10%	410	\$2,787	OPA 2010
2006 Cool & Hot Savings Rebate	Energy Star® Central Air Conditioner - Hot Savings	24	18	43%	155	\$200	OPA 2010
2006 Cool & Hot Savings Rebate	Efficient Furnace with ECM - Hot Savings	51	15	41%	837	\$2,348	OPA 2010
2006 Cool & Hot Savings Rebate	Programmable Thermostat - Hot Savings	47	15	73%	54	\$65	OPA 2010
2006 Every Kilowatt Counts	Energy Star® Compact Fluorescent Light Bulb - Spring Campaign	11,134	4	10%	104	\$59,261	OPA 2010
2006 Every Kilowatt Counts	Electric Timers - Spring Campaign	312	20	10%	183	\$4,755	OPA 2010
2006 Every Kilowatt Counts	Programmable Thermostats - Spring Campaign	136	15	10%	216	\$2,441	OPA 2010
2006 Every Kilowatt Counts	Energy Star® Ceiling Fans - Spring Campaign	103	20	10%	141	\$1,212	OPA 2010
2006 Every Kilowatt Counts	Energy Star® Compact Fluorescent Light Bulb - Autumn Campaign	16,508	4	10%	104	\$87,867	OPA 2010
2006 Every Kilowatt Counts	Seasonal Light Emitting Diode Light String - Autumn Campaign	3,973	30	10%	31	\$10,170	OPA 2010
2006 Every Kilowatt Counts	Programmable Thermostats - Autumn Campaign	262	18	10%	522	\$11,383	OPA 2010
2006 Every Kilowatt Counts	Dimmers - Autumn Campaign	207	10	10%	139	\$2,396	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
2006 Every Kilowatt Counts	Indoor Motion Sensors - Autumn Campaign	74	20	10%	209	\$1,293	OPA 2010
2006 Every Kilowatt Counts	Programmable Baseboard Thermostats - Autumn Campaign	16	18	10%	1,466	\$1,904	OPA 2010
2007 Great Refrigerator Roundup	Bottom Freezer Fridge	7	9	27%	1,064	\$407	OPA 2010
2007 Great Refrigerator Roundup	Chest Freezer	199	8	54%	471	\$3,426	OPA 2010
2007 Great Refrigerator Roundup	Side by Side Fridge-Freezer	54	9	61%	900	\$1,524	OPA 2010
2007 Great Refrigerator Roundup	Single Door Fridge	150	9	61%	721	\$3,384	OPA 2010
2007 Great Refrigerator Roundup	Small Freezer (under 10 cubic feet)	7	8	70%	339	\$59	OPA 2010
2007 Great Refrigerator Roundup	Small Fridge (under 10 cubic feet)	12	9	70%	490	\$139	OPA 2010
2007 Great Refrigerator Roundup	Top Freezer Fridge	544	9	61%	732	\$12,439	OPA 2010
2007 Great Refrigerator Roundup	Upright Freezer	39	8	54%	743	\$1,043	OPA 2010
2007 Great Refrigerator Roundup	Window Air Conditioner	10	5	57%	240	\$71	OPA 2010
2007 Cool & Hot Savings Rebate	Energy Star® Central Air Conditioner - Hot Savings	24	18	43%	155	\$171	OPA 2010
2007 Cool & Hot Savings Rebate	Efficient Furnace with ECM - Hot Savings	51	15	41%	837	\$2,006	OPA 2010
2007 Cool & Hot Savings Rebate	Programmable Thermostat - Hot Savings	47	15	73%	54	\$55	OPA 2010
2007 Cool & Hot Savings Rebate	Energy Star® Central Air Conditioner, Tier 2 - Cool Savings	188	18	43%	155	\$1,329	OPA 2010
2007 Cool & Hot Savings	Medium Efficiency Furnace with ECM - Cool	249	15	41%	837	\$9,843	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
Rebate	Savings						
2007 Cool & Hot Savings Rebate	Programmable Thermostat - Cool Savings	233	15	73%	54	\$274	OPA 2010
2007 Cool & Hot Savings Rebate	Central Air Conditioner Tune-ups - Cool Savings	231	5	84%	235	\$638	OPA 2010
2007 Every Kilowatt Counts	15 W CFL	19,577	8	22%	43	\$52,386	OPA 2010
2007 Every Kilowatt Counts	20+ W CFL	3,187	8	22%	62	\$12,316	OPA 2010
2007 Every Kilowatt Counts	Energy Star® Light Fixture	76	16	45%	123	\$410	OPA 2010
2007 Every Kilowatt Counts	T8 Fluorescent Tube	149	18	23%	37	\$341	OPA 2010
2007 Every Kilowatt Counts	Seasonal LED Light String	5,187	5	51%	14	\$2,602	OPA 2010
2007 Every Kilowatt Counts	Project Porchlight CFL	4,120	8	24%	43	\$10,741	OPA 2010
2007 Every Kilowatt Counts	Solar Light	2,513	5	87%	5	\$117	OPA 2010
2007 Every Kilowatt Counts	Energy Star® Ceiling Fan	158	10	45%	90	\$622	OPA 2010
2007 Every Kilowatt Counts	Furnace Filter	636	1	45%	38	\$164	OPA 2010
2007 Every Kilowatt Counts	Power Bar with Timer	70	10	23%	72	\$309	OPA 2010
2007 Every Kilowatt Counts	Lighting Control Device	805	10	45%	72	\$2,551	OPA 2010
2007 Every Kilowatt Counts	Outdoor Motion Sensor	251	10	45%	160	\$1,763	OPA 2010
2007 Every Kilowatt Counts	Dimmer Switch	160	10	45%	24	\$166	OPA 2010
2007 Every Kilowatt Counts	Programmable Thermostat	154	15	45%	75	\$506	OPA 2010
2007 Summer Savings	Households, Change in Behaviour Only - Behaviour Related	290	1	88%	5,453	\$2,355	OPA 2010
2007 Summer Savings	Households, Combination of Change in Behaviour and "Pulled Forward" Equipment - Behaviour Related	290	1	88%	2,919	\$1,260	OPA 2010
2007 Summer Savings	Households, Combination of Change in Behaviour and "Pulled Forward" Equipment -	290	2	88%	1,662	\$1,638	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
	Equipment Related						
2007 Summer Savings	Households, Combination of Change in Behaviour and "Pulled Forward" Equipment - Compact Fluorescent Light Bulb Related	290	8	88%	171	\$474	OPA 2010
2007 Summer Savings	Households, Change in Behaviour and Incremental Equipment (With Full Equipment Life) - Behaviour Related	290	1	88%	4,822	\$2,082	OPA 2010
2007 Summer Savings	Households, Change in Behaviour and Incremental Equipment (With Full Equipment Life) - Equipment Related	290	14	88%	643	\$1,784	OPA 2010
2007 Summer Savings	Households, Change in Behaviour and Incremental Equipment (With Full Equipment Life) - Compact Fluorescent Light Bulb Related	290	8	88%	199	\$551	OPA 2010
2007 Aboriginal	Conservation Kits	633	4	0%	900	\$33,854	OPA 2010
2007 Social Housing Pilot	Custom retrofit projects	1	10	0%	98,048	\$7,822	OPA 2010
2007 Energy Efficiency Assistance for Houses Pilot	Custom retrofit projects	1	19	0%	56,584	\$4,514	OPA 2010
2008 Great Refrigerator Roundup	Bottom Freezer Fridge	7	9	45%	775	\$208	OPA 2010
2008 Great Refrigerator Roundup	Chest Freezer	211	8	48%	740	\$5,474	OPA 2010
2008 Great Refrigerator Roundup	Side by Side Fridge-Freezer	68	9	45%	775	\$1,944	OPA 2010
2008 Great Refrigerator Roundup	Single Door Fridge	131	9	45%	775	\$3,774	OPA 2010
2008 Great Refrigerator Roundup	Small Freezer (under 10 cubic feet)	2	8	48%	740	\$63	OPA 2010
2008 Great Refrigerator Roundup	Small Fridge (under 10 cubic feet)	4	9	45%	775	\$113	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
2008 Great Refrigerator Roundup	Top Freezer Fridge	616	9	45%	775	\$17,678	OPA 2010
2008 Great Refrigerator Roundup	Upright Freezer	41	8	48%	740	\$1,073	OPA 2010
2008 Great Refrigerator Roundup	Window Air Conditioner	19	5	64%	197	\$91	OPA 2010
2008 Cool Savings Rebate	2007 Energy Star® Central Air Conditioner, Tier 2	38	18	43%	155	\$230	OPA 2010
2008 Cool Savings Rebate	2007 Medium Efficiency Furnace with ECM	80	15	41%	837	\$2,666	OPA 2010
2008 Cool Savings Rebate	2007 Programmable Thermostat	62	15	73%	54	\$62	OPA 2010
2008 Cool Savings Rebate	2008 Energy Star® Central Air Conditioner, Tier 2	190	18	43%	125	\$917	OPA 2010
2008 Cool Savings Rebate	2008 Efficient Furnace with ECM	287	18	41%	819	\$9,350	OPA 2010
2008 Cool Savings Rebate	2008 Programmable Thermostat	244	18	73%	54	\$242	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Energy Star® Qualified Compact Fluorescent Light Bulbs	7,721	8	48%	53	\$14,393	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Energy Star® Qualified Dimmable CFLs	841	6	62%	98	\$2,087	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Energy Star® Qualified Decorative CFLs	13,043	4	61%	30	\$9,523	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Energy Star® Qualified Compact Fluorescent Floods (Indoor & Outdoor)	3,621	7	63%	88	\$8,008	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Energy Star® Qualified Light Fixtures	5,620	16	67%	133	\$16,864	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	T8 Fluorescent Fixtures	1,022	16	67%	37	\$842	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Lighting Control Devices	1,099	10	55%	102	\$3,434	OPA 2010
2008 Every Kilowatt Counts	Power Bars with Timers	60	10	59%	53	\$88	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
Power Savings Event							
2008 Every Kilowatt Counts Power Savings Event	Heavy Duty Timers	127	10	67%	301	\$859	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Programmable Thermostats - Baseboard	355	15	53%	64	\$707	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Air Conditioner/Furnace Filters	334	1	65%	38	\$70	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Pipe Wrap	7,202	6	53%	38	\$8,632	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Keep Cool Pilot – Dehumidifier	2	12	65%	500	\$26	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Keep Cool Pilot – Room Air Conditioner	3	9	58%	141	\$10	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Rewards for Recycling – Dehumidifier	67	12	56%	500	\$1,000	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Rewards for Recycling – Room Air Conditioner	73	9	56%	141	\$304	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Rewards for Recycling – Halogen Lamp	58	16	52%	275	\$518	OPA 2010
2008 Summer Sweepstakes	Registered qualified active households	244	5	22%	421	\$5,361	OPA 2010
2008 Summer Sweepstakes	Registered unqualified active households	365	5	22%	421	\$8,041	OPA 2010
2008 Summer Sweepstakes	Registered qualified inactive households	24	5	22%	421	\$536	OPA 2010
2008 Summer Sweepstakes	Registered unqualified inactive households	92	5	22%	421	\$2,017	OPA 2010
2008 Summer Sweepstakes	Non-registered active households	11,867	5	22%	21	\$13,308	OPA 2010
2008 Electricity Retrofit Incentive	All projects	1	15	48%	332,177	\$7,429	OPA 2010
2008 High Performance New Construction	Custom projects	1	14	30%	1,801	\$102	OPA 2010
2009 Great Refrigerator	Chest Freezer - Not Replaced - Running Part	0	4	48%	282	\$3	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
Roundup	Time (26% of the time)						
2009 Great Refrigerator Roundup	Chest Freezer - Standard Efficiency Unit Replacement - Running Part Time (26% of the time)	0	4	48%	247	\$1	OPA 2010
2009 Great Refrigerator Roundup	Chest Freezer - Energy Star Unit Replacement - Running Part Time (26% of the time)	0	4	48%	261	\$3	OPA 2010
2009 Great Refrigerator Roundup	Chest Freezer - Not Replaced - Running All Time (100% of time)	3	4	48%	1,096	\$100	OPA 2010
2009 Great Refrigerator Roundup	Chest Freezer - Standard Efficiency Unit Replacement - Running All Time (100% of time)	1	4	48%	959	\$24	OPA 2010
2009 Great Refrigerator Roundup	Chest Freezer - Energy Star Unit Replacement - Running All Time (100% of time)	4	4	48%	1,012	\$117	OPA 2010
2009 Great Refrigerator Roundup	Side by Side Fridge-Freezer - Not Replaced - Running Part Time (38% of the time)	0	5	46%	507	\$3	OPA 2010
2009 Great Refrigerator Roundup	Side by Side Fridge-Freezer - Standard Efficiency Unit Replacement - Running Part Time (38% of the time)	0	5	46%	260	\$1	OPA 2010
2009 Great Refrigerator Roundup	Side by Side Fridge-Freezer - Energy Star Unit Replacement - Running Part Time (38% of the time)	0	5	46%	309	\$4	OPA 2010
2009 Great Refrigerator Roundup	Side by Side Fridge-Freezer - Not Replaced - Running All Time (100% of time)	2	5	46%	1,331	\$57	OPA 2010
2009 Great Refrigerator Roundup	Side by Side Fridge-Freezer - Standard Efficiency Unit Replacement - Running All Time (100% of time)	1	5	46%	682	\$11	OPA 2010
2009 Great Refrigerator Roundup	Side by Side Fridge-Freezer - Energy Star Unit Replacement - Running All Time (100% of time)	3	5	46%	812	\$68	OPA 2010
2009 Great Refrigerator	Single Door Fridge - Not Replaced - Running	0	5	46%	418	\$2	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
Roundup	Part Time (38% of the time)						
2009 Great Refrigerator Roundup	Single Door Fridge - Standard Efficiency Unit Replacement - Running Part Time (38% of the time)	0	5	46%	237	\$1	OPA 2010
2009 Great Refrigerator Roundup	Single Door Fridge - Energy Star Unit Replacement - Running Part Time (38% of the time)	0	5	46%	273	\$3	OPA 2010
2009 Great Refrigerator Roundup	Single Door Fridge - Not Replaced - Running All Time (100% of time)	2	5	46%	1,097	\$47	OPA 2010
2009 Great Refrigerator Roundup	Single Door Fridge - Standard Efficiency Unit Replacement - Running All Time (100% of time)	1	5	46%	623	\$10	OPA 2010
2009 Great Refrigerator Roundup	Single Door Fridge - Energy Star Unit Replacement - Running All Time (100% of time)	3	5	46%	718	\$60	OPA 2010
2009 Great Refrigerator Roundup	Top Freezer Fridge - Not Replaced - Running Part Time (38% of the time)	1	5	46%	470	\$18	OPA 2010
2009 Great Refrigerator Roundup	Top Freezer Fridge - Standard Efficiency Unit Replacement - Running Part Time (38% of the time)	1	5	46%	252	\$4	OPA 2010
2009 Great Refrigerator Roundup	Top Freezer Fridge - Energy Star Unit Replacement - Running Part Time (38% of the time)	3	5	46%	295	\$22	OPA 2010
2009 Great Refrigerator Roundup	Top Freezer Fridge - Not Replaced - Running All Time (100% of time)	10	5	46%	1,234	\$339	OPA 2010
2009 Great Refrigerator Roundup	Top Freezer Fridge - Standard Efficiency Unit Replacement - Running All Time (100% of time)	4	5	46%	661	\$67	OPA 2010
2009 Great Refrigerator Roundup	Top Freezer Fridge - Energy Star Unit Replacement - Running All Time (100% of time)	19	5	46%	776	\$415	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
	time)						
2009 Great Refrigerator Roundup	Upright Freezer - Not Replaced - Running Part Time (26% of the time)	0	4	48%	365	\$1	OPA 2010
2009 Great Refrigerator Roundup	Upright Freezer - Standard Efficiency Unit Replacement - Running Part Time (26% of the time)	0	4	48%	180	\$0	OPA 2010
2009 Great Refrigerator Roundup	Upright Freezer - Energy Star Unit Replacement - Running Part Time (26% of the time)	0	4	48%	189	\$1	OPA 2010
2009 Great Refrigerator Roundup	Upright Freezer - Not Replaced - Running All Time (100% of time)	1	4	48%	1,416	\$52	OPA 2010
2009 Great Refrigerator Roundup	Upright Freezer - Standard Efficiency Unit Replacement - Running All Time (100% of time)	0	4	48%	697	\$7	OPA 2010
2009 Great Refrigerator Roundup	Upright Freezer - Energy Star Unit Replacement - Running All Time (100% of time)	2	4	48%	736	\$34	OPA 2010
2009 Great Refrigerator Roundup	Dehumidifier - Not Replaced - Running All Time (100% of time)	0	4	64%	960	\$6	OPA 2010
2009 Great Refrigerator Roundup	Dehumidifier - Standard Efficiency Unit Replacement - Running All Time (100% of time)	0	4	64%	540	\$2	OPA 2010
2009 Great Refrigerator Roundup	Dehumidifier - Energy Star Unit Replacement - Running All Time (100% of time)	1	4	64%	463	\$4	OPA 2010
2009 Great Refrigerator Roundup	Window Air Conditioner - Not Replaced - Running All Time (100% of time)	1	3	64%	371	\$4	OPA 2010
2009 Great Refrigerator Roundup	Window Air Conditioner - Standard Efficiency Unit Replacement - Running All Time (100% of time)	0	3	64%	118	\$0	OPA 2010
2009 Great Refrigerator	Window Air Conditioner - Energy Star Unit	0	3	64%	141	\$1	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
Roundup	Replacement - Running All Time (100% of time)						
2009 Cool Savings Rebate	Energy Star® 14.5 SEER (Tier 1) Central Air Conditioner (CAC)	86	18	42%	113	\$289	OPA 2010
2009 Cool Savings Rebate	Energy Star® 14.5 SEER (Tier 1) Central Air Conditioner (CAC) with change in behaviour	13	18	42%	317	\$127	OPA 2010
2009 Cool Savings Rebate	Energy Star® 15.0 SEER (Tier 2) Central Air Conditioner (CAC)	227	18	42%	177	\$1,190	OPA 2010
2009 Cool Savings Rebate	Energy Star® 15.0 SEER (Tier 2) Central Air Conditioner (CAC) with change in behaviour	35	18	42%	366	\$385	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, AHRI Matched CAC & Furnace, Continuous Fan, No change	19	19	60%	2,773	\$1,090	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, AHRI Matched CAC & Furnace, Non-continuous Fan, No change	79	19	60%	324	\$523	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, AHRI Matched CAC & Furnace, Continuous Fan, Change from non-continuous	6	19	60%	91	\$12	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Unmatched CAC & Furnace, Continuous Fan, No change	34	19	60%	2,823	\$1,957	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Unmatched CAC & Furnace, Non-continuous Fan, No change	140	19	60%	373	\$1,063	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Unmatched CAC & Furnace, Continuous Fan, Change from non-continuous	11	19	60%	140	\$32	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Heating only, Continuous Fan, No change	6	19	60%	1,535	\$174	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Heating only, Non-continuous Fan, No change	23	19	60%	324	\$151	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Heating only, Continuous Fan, Change from non-continuous	2	19	60%	192	\$7	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, AHRI Matched CAC & Furnace, Continuous Fan, No change	23	19	60%	2,867	\$1,322	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, AHRI Matched CAC & Furnace, Non-continuous Fan, No change	93	19	60%	207	\$393	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, AHRI Matched CAC & Furnace, Continuous Fan, Change from non-continuous	7	19	60%	(49)	(\$7)	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Unmatched CAC & Furnace, Continuous Fan, No change	40	19	60%	2,927	\$2,383	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Unmatched CAC & Furnace, Non-continuous Fan, No change	164	19	60%	267	\$894	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Unmatched CAC & Furnace, Continuous Fan, Change from non-continuous	13	19	60%	11	\$3	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Heating only, Continuous Fan, No change	7	19	60%	1,570	\$210	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Heating only, Non-continuous Fan, No change	27	19	60%	207	\$114	OPA 2010
2009 Cool Savings Rebate	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Heating only, Continuous Fan, Change from non-continuous	2	19	60%	76	\$3	OPA 2010
2009 Cool Savings Rebate	Programmable Thermostat - Central Air Conditioning (CAC) & Gas heating	180	15	61%	30	\$109	OPA 2010
2009 Cool Savings Rebate	Programmable Thermostat - Energy Star® Central Air Conditioning (CAC) & Gas Heating	241	15	61%	26	\$125	OPA 2010
2009 Cool Savings Rebate	Programmable Thermostat - Gas Heating only	51	15	61%	9	\$10	OPA 2010
2009 Cool Savings Rebate	Participant Spillover - Lighting	25	5	0%	40	\$51	OPA 2010
2009 Cool Savings Rebate	Participant Spillover - Cooling or Heating	9	3	0%	100	\$42	OPA 2010
2009 Cool Savings Rebate	Participant Spillover - Water heating	12	10	0%	141	\$89	OPA 2010
2009 Cool Savings Rebate	Participant Spillover - Appliances	17	4	0%	76	\$67	OPA 2010
2009 Cool Savings Rebate	Participant Spillover - Insulation of other	25	10	0%	75	\$97	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
	weatherization						
2009 Cool Savings Rebate	Participant Spillover - Windows	20	10	0%	100	\$101	OPA 2010
2009 Cool Savings Rebate	Participant Spillover - Roof products	10	15	0%	50	\$25	OPA 2010
2009 Cool Savings Rebate	Participant Spillover - Other products	11	5	0%	50	\$27	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Qualified Compact Fluorescent - Spring Campaign - Participant Rebated	950	8	31%	23	\$778	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	ENERGY STAR Decorative CFLs - Spring Campaign - Participant Rebated	2,252	6	23%	26	\$2,306	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	ENERGY STAR Fixtures - Spring Campaign - Participant Rebated	183	16	47%	116	\$579	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	ENERGY STAR Ceiling Fans - Spring Campaign - Participant Rebated	79	10	24%	71	\$222	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Heavy Duty Pool and Spa Timers - Spring Campaign - Participant Rebated	30	10	24%	454	\$527	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Clotheslines - Spring Campaign - Participant Rebated	76	10	45%	77	\$168	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Pipe Wrap - Spring Campaign - Participant Rebated	63	6	22%	8	\$20	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Water Blanket - Spring Campaign - Participant Rebated	8	10	20%	52	\$18	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Qualified Window Air Conditioner - Spring Campaign - Participant Promoted	78	12	33%	96	\$260	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Qualified Dehumidifiers - Spring Campaign - Participant Promoted	74	12	32%	284	\$736	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Programmable Thermostat - Spring Campaign - Participant Promoted	182	15	55%	138	\$583	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Solar Power Products - Spring Campaign - Participant Promoted	474	5	40%	5	\$71	OPA 2010
2009 Every Kilowatt Counts	Control Products - Spring Campaign -	236	10	47%	72	\$468	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
Power Savings Event	Participant Promoted						
2009 Every Kilowatt Counts Power Savings Event	Reduce power to electronics (Behavioural) - Spring Campaign - Participant Spillover	99	1	85%	21	\$5	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Installed CFLs - Spring Campaign - Participant Spillover	87	8	87%	101	\$59	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Washed in Cold Laundry (Behavioural) - Spring Campaign - Participant Spillover	86	1	86%	30	\$6	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Turned off/Reduced lights (Behavioural) - Spring Campaign - Participant Spillover	80	1	88%	263	\$39	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Dried clothes outside or on rack (Behavioural) - Spring Campaign - Participant Spillover	70	1	89%	74	\$9	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Installed a new energy efficient appliance - Refrigerator - Spring Campaign - Participant Spillover	63	14	86%	65	\$30	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Unplugged devices usually left plugged in (Behavioural) - Spring Campaign - Participant Spillover	60	1	80%	70	\$13	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Installed a new energy efficient appliance - Clothes washing machine - Spring Campaign - Participant Spillover	38	14	88%	122	\$28	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Added ceiling/attic/wall/basement insulation - Spring Campaign - Participant Spillover	38	20	88%	394	\$89	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Installed Programmable Thermostat - Spring Campaign - Participant Spillover	37	15	87%	308	\$73	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Qualified Compact Fluorescent - Spring Campaign - Non-Participant Rebated	723	8	65%	22	\$290	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	ENERGY STAR Decorative CFLs - Spring Campaign - Non-Participant Rebated	359	6	60%	26	\$192	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	ENERGY STAR Fixtures - Spring Campaign - Non-Participant Rebated	338	16	59%	68	\$478	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
2009 Every Kilowatt Counts Power Savings Event	ENERGY STAR Ceiling Fans - Spring Campaign - Non-Participant Rebated	99	10	86%	71	\$49	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Heavy Duty Pool and Spa Timers - Spring Campaign - Non-Participant Rebated	62	10	86%	454	\$197	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Clotheslines - Spring Campaign - Non-Participant Rebated	229	10	86%	77	\$123	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Pipe Wrap - Spring Campaign - Non-Participant Rebated	531	6	86%	8	\$30	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Water Blanket - Spring Campaign - Non-Participant Rebated	78	10	86%	52	\$28	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Qualified Window Air Conditioner - Spring Campaign - Non-Participant Promoted	130	12	57%	96	\$279	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Qualified Dehumidifiers - Spring Campaign - Non-Participant Promoted	156	12	56%	284	\$1,002	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Programmable Thermostat - Spring Campaign - Non-Participant Promoted	245	15	71%	138	\$507	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Solar Power Products - Spring Campaign - Non-Participant Promoted	1,587	5	61%	5	\$153	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Control Products - Spring Campaign - Non-Participant Promoted	546	10	66%	72	\$699	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Qualified Compact Fluorescent - Autumn Campaign - Participant Rebated	4,298	8	31%	25	\$3,911	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	ENERGY STAR Specialty CFLs - Autumn Campaign - Participant Rebated	1,738	6	29%	21	\$1,330	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	ENERGY STAR Fixtures - Autumn Campaign - Participant Rebated	207	16	30%	119	\$889	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Weatherstripping - adhesive foam or V-strip - Autumn Campaign - Participant Rebated	192	15	43%	15	\$87	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Weatherstripping - door frame kits - Autumn Campaign - Participant Rebated	126	15	47%	17	\$59	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
2009 Every Kilowatt Counts Power Savings Event	Programmable Thermostat - Autumn Campaign - Participant Rebated	83	15	33%	32	\$93	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Pipe Wrap - Autumn Campaign - Participant Rebated	72	6	55%	7	\$11	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Water Blanket - Autumn Campaign - Participant Rebated	16	10	37%	56	\$29	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Lighting/Appliance Controls - Autumn Campaign - Participant Rebated	146	17	28%	21	\$115	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Qualified Holiday LED Lights - Autumn Campaign - Participant Promoted	512	5	41%	14	\$212	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Dimmer Switches - Autumn Campaign - Participant Promoted	216	10	50%	24	\$130	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Solar Powered Products - Autumn Campaign - Participant Promoted	418	4	48%	6	\$62	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Washed laundry with cold water - Autumn Campaign - Participant Spillover	152	1	83%	30	\$12	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Turned off / reduced use of power to electronics - Autumn Campaign - Participant Spillover	141	1	81%	21	\$9	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Turned off / reduced use of lights - Autumn Campaign - Participant Spillover	131	1	83%	263	\$89	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Dried clothes outside or inside on a rack - Autumn Campaign - Participant Spillover	92	1	87%	74	\$14	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Turned down the thermostat setting on my furnace - Autumn Campaign - Participant Spillover	92	1	81%	270	\$73	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Unplugged devices usually plugged into outlet - Autumn Campaign - Participant Spillover	87	1	82%	70	\$17	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Installed a new energy efficient appliance – Refrigerator - Autumn Campaign - Participant Spillover	87	14	75%	65	\$71	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
2009 Every Kilowatt Counts Power Savings Event	Added ceiling/attic/wall/basement insulation - Autumn Campaign - Participant Spillover	70	20	78%	394	\$311	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Replaced my old furnace with a high efficiency furnace - Autumn Campaign - Participant Spillover	62	15	80%	352	\$220	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Installed a new energy efficient appliance - Clothes washing machine - Autumn Campaign - Participant Spillover	57	15	81%	142	\$81	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Qualified Compact Fluorescent - Autumn Campaign - Non-Participant Rebated	3,915	8	86%	24	\$654	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	ENERGY STAR Specialty CFLs - Autumn Campaign - Non-Participant Rebated	1,244	6	85%	30	\$289	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	ENERGY STAR Fixtures - Autumn Campaign - Non-Participant Rebated	347	16	76%	36	\$157	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Weatherstripping - adhesive foam or V-strip - Autumn Campaign - Non-Participant Rebated	1,350	15	93%	15	\$74	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Weatherstripping - door frame kits - Autumn Campaign - Non-Participant Rebated	1,029	15	94%	17	\$59	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Programmable Thermostat - Autumn Campaign - Non-Participant Rebated	204	15	83%	83	\$152	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Pipe Wrap - Autumn Campaign - Non-Participant Rebated	955	6	89%	6	\$32	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Water Blanket - Autumn Campaign - Non-Participant Rebated	119	10	78%	40	\$54	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Lighting/Appliance Controls - Autumn Campaign - Non-Participant Rebated	1,020	17	90%	42	\$224	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Qualified Holiday LED Lights - Autumn Campaign - Non-Participant Promoted	1,670	5	65%	14	\$412	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Dimmer Switches - Autumn Campaign - Non-Participant Promoted	526	10	73%	24	\$174	OPA 2010

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
2009 Every Kilowatt Counts Power Savings Event	Solar Powered Products - Autumn Campaign - Non-Participant Promoted	845	4	58%	5	\$84	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Working Room Air Conditioner Retirement - Rewards for Recycling Campaign - Incented	41	6	62%	32	\$25	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Working Room Dehumidifier Retirement - Rewards for Recycling Campaign - Incented	37	8	53%	300	\$267	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Working Halogen Torchiere Retirement - Rewards for Recycling Campaign - Incented	12	10	49%	58	\$19	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Recycled Second Refrigerator - Rewards for Recycling Campaign - Spillover	9	14	64%	1,238	\$196	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Recycled Additional Room Air Conditioner - Rewards for Recycling Campaign - Spillover	7	6	64%	30	\$4	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Recycled Central Air Conditioner - Rewards for Recycling Campaign - Spillover	7	18	64%	72	\$9	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Recycled Additional Room Dehumidifier - Rewards for Recycling Campaign - Spillover	7	8	64%	309	\$43	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Installed Energy Star® Windows - Rewards for Recycling Campaign - Spillover	12	20	82%	1,530	\$170	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Installed Energy Star® CFL Bulbs - Rewards for Recycling Campaign - Spillover	39	8	82%	45	\$17	OPA 2010
2009 Electricity Retrofit Incentive	All projects	1	8	27%	557,130	\$10,880	OPA 2010
2009 High Performance New Construction	Custom projects	1	20	30%	57,230	\$2,446	OPA 2010
2006 Partnership Programs	13W CFLs	3,200	8	30%	44	\$9,199	OPA 2011a
2010 Cool Savings Rebate	All measures	487	3	59%	662	\$4,749	OPA 2011c
2010 Every Kilowatt Counts Power Savings Event	All measures	4,925	3	54%	67	\$5,498	OPA 2011c
2010 Great Refrigerator Roundup	All measures	263	3	47%	1,084	\$5,412	OPA 2011c

Program	Energy Efficient Measure	Units	Measure life	Free Riders	Annual energy savings (kWh/a)	LRAM (2011\$)	Assumption Source
2010 Electricity Retrofit Incentive	All projects	2	3	49%	143,753	\$2,999	OPA 2011c
2010 High Performance New Construction	Custom	1	3	30%	145,999	\$5,610	OPA 2011c
2010 Multifamily Energy Efficiency Rebates	Custom	1	3	26%	75,155	\$1,530	OPA 2011c
2010 Power Savings Blitz	All measures	135	3	0%	2,683	\$15,303	OPA 2011c
Total LRAM						\$623,790	

Table 10 –LRAM contributions and carrying charges.

Program	Year	LRAM	Carrying charges	Total
Aboriginal	2007	\$32,131	\$1,723	\$33,854
Cool & Hot Savings Rebate	2006	\$10,057	\$571	\$10,628
	2007	\$13,728	\$587	\$14,315
Cool Savings Rebate	2008	\$13,059	\$408	\$13,467
	2009	\$12,774	\$283	\$13,057
	2010	\$4,667	\$82	\$4,749
Electricity Retrofit Incentive	2008	\$7,202	\$227	\$7,429
	2009	\$10,643	\$236	\$10,880
	2010	\$2,947	\$52	\$2,999
Energy Efficiency Assistance for Houses Pilot	2007	\$4,330	\$185	\$4,514
Every Kilowatt Counts Power Savings Event	2008	\$65,301	\$2,064	\$67,365
	2009	\$21,574	\$481	\$22,055
	2010	\$5,403	\$95	\$5,498
Great Refrigerator Roundup	2007	\$21,572	\$920	\$22,492
	2008	\$29,496	\$922	\$30,418
	2009	\$1,459	\$32	\$1,491
	2010	\$5,318	\$94	\$5,412
High Performance New Construction	2008	\$99	\$3	\$102
	2009	\$2,392	\$53	\$2,446
	2010	\$5,513	\$97	\$5,610
Multifamily Energy Efficiency Rebates	2010	\$1,504	\$26	\$1,530
Power Savings Blitz	2010	\$15,038	\$264	\$15,303
Secondary Refrigerator Retirement Pilot	2006	\$3,840	\$230	\$4,070
Social Housing Pilot	2007	\$7,503	\$320	\$7,822
Summer Savings	2007	\$9,346	\$798	\$10,144
Summer Sweepstakes	2008	\$28,376	\$887	\$29,263
Every Kilowatt Counts	2006	\$169,477	\$13,206	\$182,682
	2007	\$81,505	\$3,491	\$84,995
Partnership Programs	2006	\$8,704	\$494	\$9,199
Total		\$594,958	\$28,832	\$623,790



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EXHIBIT 8

OPA Final 2011 Results Report



Message from the Vice President:

The OPA is pleased to provide you with the enclosed Final 2011 Results Report.

Despite some of the inertial challenges in 2011 with program start up, on average, year one province-wide forecasts were met and the year finished out with strong momentum which continues to build 2012. There are still challenges for LDCs of all sizes and we are committed to ensuring LDCs are successful in meeting their objectives. We look forward to further dialogue to discover opportunities to improve the current program suite with local program opportunities, best practices and successes to better reach our customers in the years to come.

This report was developed in collaboration with the OPA-LDC Reporting and Evaluation Working Group and is designed to help populate LDC annual report templates that will be submitted to the OEB in late September. Between the draft and final reports several improvements were made to improve clarity and transparency based on feedback provided by LDCs, such as: the addition of a glossary tab, total adjustments to savings are now broken out into both the realization rate and net-to-gross ratio for both peak demand and energy savings and modifications were made to the methodology tab. We invite you to continue to provide your feedback.

All results are now considered final for 2011. Any additional 2011 program activity not captured will be reported in the Final 2012 Results Report. Please continue to monitor saveONenergy E-blasts for any further updates and should you have any other questions or comments please contact LDC.Support@powerauthority.on.ca.

We appreciate your collaboration and cooperation throughout the reporting and evaluation process. We look forward to another successful year in 2012.

Sincerely,
Andrew Pride

Table of Contents

Summary	Provides a "snapshot" of your LDC's OPA-Contracted Province-Wide Program performance in 2011: progress to target using 2 scenarios, sector breakdown and progress against the LDC community.
LDC-Specific Data: table formats, section references and table numbers align with the OEB Reporting Template	
2.3 Results Participation - LDC	Breakdown of initiative-level participation in 2011 for your LDC.
2.5.1 Evaluation Findings	Provides a summary of the province-wide evaluation findings for each initiative and highlights which initiatives were not evaluated.
2.5.2 Results - LDC	Provides LDC-specific initiative-level results (net and gross peak demand and energy savings, realization rates, net-to-gross ratios and how each initiative contributes to target)
3.1.1 Summary - LDC	Provides a portfolio level view of achievement towards your OEB targets in 2011. Contains space to input LDC-specific progress to milestones set out in your CDM Strategy.
Province-Wide Data: LDC performance in aggregate (province-wide results)	
Provincial - Participation	Breakdown of initiative-level participation in 2011 for the province.
Provincial - Results	Provides province-wide initiative-level results (net and gross peak demand and energy savings, realization rates, net-to-gross ratios and how each initiative contributes to target)
Provincial - Progress Summary	Provides a portfolio level view of provincial achievement towards province-wide OEB targets in 2011.
Methodology	Provides key equations, notes and an initiative-level breakdown of: how savings are attributed to LDCs, when the savings are considered to 'start' (i.e. what period the savings are attributed to) and how the savings are calculated.
Reference Tables	Provides the sector mapping used for Retrofit and the allocation methodology table used in the consumer program when customer specific information is unavailable.
Glossary	Contains definitions for terms used throughout the report.

OPA-Contracted Province-Wide CDM Programs FINAL 2011 Results

LDC: PUC Distribution Inc.

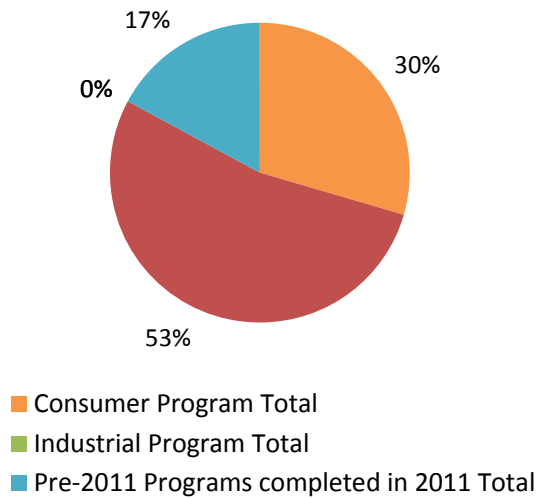
FINAL 2011 Progress to Targets	Incremental 2011	Scenario 1: % of Target Achieved	Scenario 2: % of Target Achieved
Net Annual Peak Demand Savings (MW)	0.7	11.2%	11.9%
Net Cumulative Energy Savings (GWh)	2.7	35.2%	35.2%

Scenario 1 = Assumes that demand resource resources have a persistence of 1 year

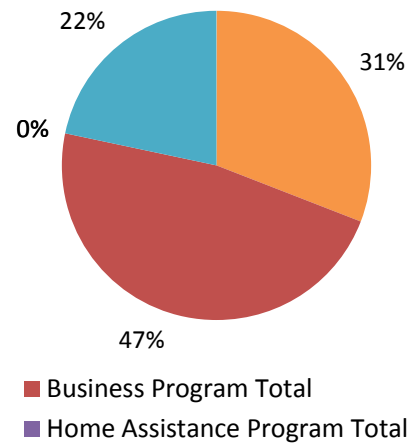
Scenario 2 = Assumes that demand response resources remain in your territory until 2014

Achievement by Sector

2011 Incremental Peak Demand Savings (MW)



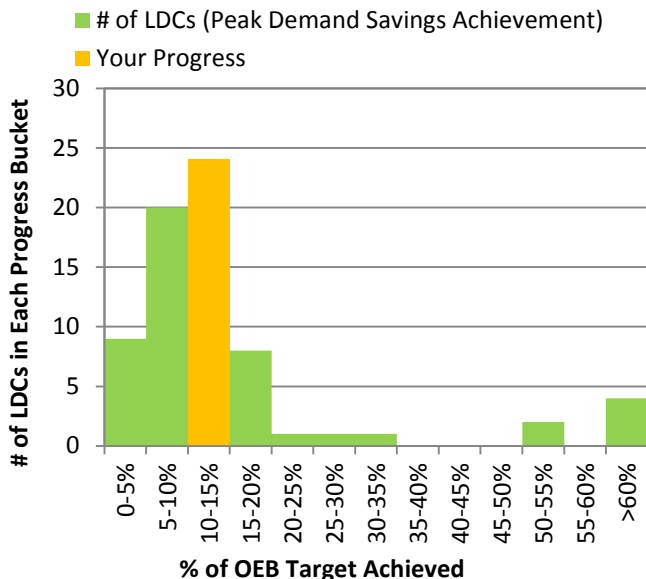
2011 Incremental Energy Savings (GWh)



Comparison: Your Achievement vs. LDC Community Achievement

The following graphs assume that demand response resources remain in your territory until 2014 (aligns with Scenario 2)

% of OEB Peak Demand Savings Target Achieved



% of OEB Energy Savings Target Achieved

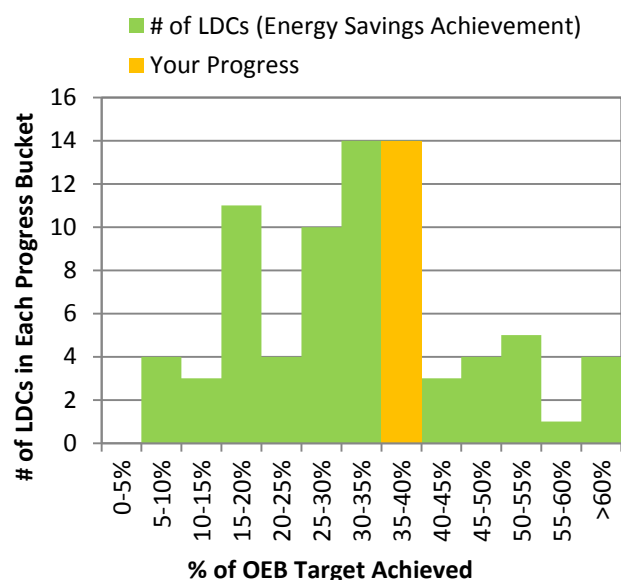


Table 1: Participation¹

#	Initiative	Unit	Uptake/ Participation Units
Consumer Program			
1	Appliance Retirement	Appliances	273
2	Appliance Exchange	Appliances	53
3	HVAC Incentives	Equipment	407
4	Conservation Instant Coupon Booklet	Products	4,398
5	Bi-Annual Retailer Event	Products	7,561
6	Retailer Co-op	Products	0
7	Residential Demand Response	Devices	0
8	Residential New Construction	Houses	0
Business Program			
9	Efficiency: Equipment Replacement	Projects	11
10	Direct Install Lighting	Projects	182
11	Existing Building Commissioning Incentive	Buildings	0
12	New Construction and Major Renovation Incentive	Buildings	0
13	Energy Audit	Audits	0
14	Commercial Demand Response (part of the Residential program schedule)	Devices	0
15	Demand Response 3 (part of the Industrial program schedule)	Facilities	0
Industrial Program			
16	Process & System Upgrades	Projects ²	0
17	Monitoring & Targeting	Projects ³	0
18	Energy Manager	Managers ^{2,3}	0
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	Projects	0
20	Demand Response 3	Facilities	0
Home Assistance Program			
21	Home Assistance Program	Homes	0
Pre 2011 Programs Completed in 2011			
22	Electricity Retrofit Incentive Program	Projects	5
23	High Performance New Construction	Projects	3
24	Toronto Comprehensive	Projects	0
25	Multifamily Energy Efficiency Rebates	Projects	0
26	Data Centre Incentive Program	Projects	0
27	EnWin Green Suites	Projects	0

¹ Please see "Methodology" tab for more information regarding attributing savings to LDCs

² Results are based on completed incentive projects (see "Methodology" tab for more information)

³ Includes: Roving Energy Managers, Key Account Managers and Embedded Energy Managers if projects are completed in 2011

Table 3: OPA Province-Wide Evaluation Findings

#	Initiative	OPA Province-Wide Key Evaluation Findings
Consumer Program		
1	Appliance Retirement	<ul style="list-style-type: none"> * Overall participation continues to decline year over year <ul style="list-style-type: none"> * Participation declined 17% from 2010 (from over 67,000 units in 2010 to over 56,000 units in 2011) * 97% of net resource savings achieved through the home pick-up stream <ul style="list-style-type: none"> * Measure Breakdown: 66% refrigerators, 30% freezers, 4% Dehumidifiers and window air conditioners * 3% of net resource savings achieved through the Retailer pick-up stream <ul style="list-style-type: none"> * Measure Breakdown: 90% refrigerators, 10% freezers * Net-to-Gross ratio for the initiative was 50% <ul style="list-style-type: none"> * Measure-level free ridership ranges from 82% for the retailer pick-up stream to 49% for the home pick-up stream * Measure-level spillover ranges from 3.7% for the retailer pick-up stream to 1.7% for the home pick-up stream
2	Appliance Exchange	<ul style="list-style-type: none"> * Overall eligible units exchanged declined by 36% from 2010 (from over 5,700 units in 2010 to <ul style="list-style-type: none"> * Measure Breakdown: 75% window air conditioners, 25% dehumidifiers * Dehumidifiers and window air conditioners contributed almost equally to the net energy <ul style="list-style-type: none"> * Dehumidifiers provide more than three times the energy savings per unit than window air conditioners * Window air conditioners contributed to 64% of the net peak demand savings achieved * Approximately 96% of consumers reported having replaced their exchanged units (as opposed to retiring the unit) * Net-to-Gross ratio for the initiative is consistent with previous evaluations (51.5%)
3	HVAC Incentives	<ul style="list-style-type: none"> * Total air conditioner and furnace installations increased by 14% (from over 95,800 units in 2010 to over 111,500 units in 2011) <ul style="list-style-type: none"> * Measure Breakdown: 64% furnaces, 10% tier 1 air conditioners (SEER 14.5) and 26% tier 2 air conditioners (SEER 15) * Measure breakdown did not change from 2010 to 2011 * The HVAC Incentives initiative continues to deliver the majority of both the energy (45%) and demand (83%) savings in the consumer program <ul style="list-style-type: none"> * Furnaces accounted for over 91% of energy savings achieved for this initiative * Net-to-Gross ratio for the initiative was 17% higher than 2010 (from 43% in 2010 to 60% in <ul style="list-style-type: none"> * Increase due in part to the removal of programmable thermostats from the program, and an increase in the net-to-gross ratio for both Furnaces and Tier 2 air conditioners (SEER 15)
4	Conservation Instant Coupon Booklet	<ul style="list-style-type: none"> * Customers redeemed nearly 210,000 coupons, translating to nearly 560,000 products <ul style="list-style-type: none"> * Majority of coupons redeemed were downloadable (~40%) or LDC-branded (~35%) * Majority of coupons redeemed were for multi-packs of standard spiral CFLs (37%), followed by multi-packs of specialty CFLs (17%) * Per unit savings estimates and net-to-gross ratios for 2011 are based on a weighted average of 2009 and 2010 evaluation findings * Careful attention in the 2012 evaluation will be made for standard CFLs since it is believed that the market has largely been transformed

#	Initiative	OPA Province-Wide Key Evaluation Findings
5	Bi-Annual Retailer Event	<ul style="list-style-type: none"> * Customers redeemed nearly 370,000 coupons, translating to over 870,000 products * Majority of coupons redeemed were for multi-packs of standard spiral CFLs (49%), followed by multi-packs of specialty CFLs (16%) * Per unit savings estimates and net-to-gross ratios for 2011 are based on a weighted average of 2009 and 2010 evaluation findings * Standard CFLs and heavy duty outdoor timers were reintroduced to the initiative in 2011 and contributed more than 64% of the initiative's 2011 net annual energy savings * While the volume of coupons redeemed for heavy duty outdoor timers was relatively small (less than 1%), the measure accounted for 10% of net annual savings due to high per unit savings * Careful attention in the 2012 evaluation will be made for standard CFLs since it is believed that the market has largely been transformed.
6	Retailer Co-op	<ul style="list-style-type: none"> * Initiative was not evaluated in 2011 due to low uptake. Verified Bi-Annual Retailer Event per unit assumptions and free-ridership rates were used to calculate net resource savings
7	Residential Demand Response	<ul style="list-style-type: none"> * Approximately 20,000 new devices were installed in 2011 * 99% of the new devices enrolled controlled residential central AC (CAC) * 2011 only saw 1 atypical event (in both weather and timing) that had limited participation * The ex ante impact developed through the 2009/2010 evaluations was maintained for 2011; residential CAC: 0.56 kW/device, commercial CAC: 0.64 kW/device, and Electric Water Heaters: 0.30 kW/device
8	Residential New Construction	<ul style="list-style-type: none"> * Initiative was not evaluated in 2011 due to limited uptake * Business case assumptions were used to calculate savings
Business Program		
9	Efficiency: Equipment Replacement	<ul style="list-style-type: none"> * Gross verified energy savings were boosted by lighting projects in the prescriptive and * Lighting projects overall were determined to have a realization rate of 112%; 116% when including interactive energy changes * On average, the evaluation found high realization rates as a result of both longer operating hours and larger wattage reductions than initial assumptions * Low realization rates for engineered lighting projects due to overstated operating hour assumptions * Custom non-lighting projects suffered from process issues such as: the absence of required M&V plans, the use of inappropriate assumptions, and the lack of adherence to the M&V plan * The final realization rate for summer peak demand was 94% * 84% was a result of different methodologies used to calculate peak demand savings * 10% due to the benefits from reduced air conditioning load in lighting retrofits * Overall net-to-gross ratios in the low 70's represent an improvement over the 2009 and Strict eligibility requirements and improvements in the pre-approval process contributed to the improvement in net-to-gross ratios
		<ul style="list-style-type: none"> * Though overall performance is above expectations, participation continues to decline year over year as the initiative reaches maturity * 70% of province-wide resource savings persist to 2014

#	Initiative	OPA Province-Wide Key Evaluation Findings
10	Direct Install Lighting	<ul style="list-style-type: none"> * Over 35% of the projects for 2011 included at least one CFL measure * Resource savings from CFLs in the commercial sector only persist for the industry standard of 3 years * Since 2009 the overall realization rate for this program has improved * 2011 evaluation recorded the highest energy realization rate to date at 89.5% * The hours of use values were held constant from the 2010 evaluation and continue to be the main driver of energy realization rate * Lights installed in “as needed” areas (e.g., bathrooms, storage areas) were determined to have very low realization rates due to the difference in actual energy saved vs. reported savings
11	Existing Building Commissioning Incentive	<ul style="list-style-type: none"> * Initiative was not evaluated in 2011, no completed projects in 2011
12	New Construction and Major Renovation Incentive	<ul style="list-style-type: none"> * Initiative was not evaluated in 2011 due to low uptake * Assumptions used are consistent with preliminary reporting based on the 2010 Evaluation findings and consultation with the C&I Work Group (100% realization rate and 50% net-to-gross ratio)
13	Energy Audit	<ul style="list-style-type: none"> * The evaluation is ongoing. The sample size for 2011 was too small to draw reliable conclusions.
14	Commercial Demand Response (part of the Residential program schedule)	<ul style="list-style-type: none"> * See residential demand response (#7)
15	Demand Response 3 (part of the Industrial program schedule)	<ul style="list-style-type: none"> * See Demand Response 3 (#20)
Industrial Program		
16	Process & System Upgrades	<ul style="list-style-type: none"> * Initiative was not evaluated in 2011, no completed projects in 2011
17	Monitoring & Targeting	<ul style="list-style-type: none"> * Initiative was not evaluated in 2011, no completed projects in 2011
18	Energy Manager	<ul style="list-style-type: none"> * Initiative was not evaluated in 2011, no completed projects in 2011
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	<ul style="list-style-type: none"> * See Efficiency: Equipment Replacement (#9)
20	Demand Response 3	<ul style="list-style-type: none"> * Program performance for Tier 1 customers increased with DR-3 participants providing 75% * Industrial customers outperform commercial customers by provide 84% and 76% of contracted MW, respectively * Program continues to diversify but still remains heavily concentrated with less than 5% of

#	Initiative	OPA Province-Wide Key Evaluation Findings
		* By increasing the number of contributors in each settlement account and implementation of the new baseline methodology the performance of the program is expected to increase
Home Assistance Program		
21	Home Assistance Program	* Initiative was not evaluated in 2011 due to low uptake * Business Case assumptions were used to calculate savings
Pre-2011 Programs completed in 2011		
22	Electricity Retrofit Incentive Program	* Initiative was not evaluated Net-to-Gross ratios used are consistent with the 2010 evaluation findings (multifamily buildings 99% realization rate and 62% net-to-gross ratio and C&I buildings 77% realization rate and 52% net-to-gross ratio)
23	High Performance New Construction	* Initiative was not evaluated * Net-to-Gross ratios used are consistent with the 2010 evaluation findings (realization rate of 100% and net-to-gross ratio of 50%)
24	Toronto Comprehensive	* Initiative was not evaluated * Net-to-Gross ratios used are consistent with the 2010 evaluation findings
25	Multifamily Energy Efficiency Rebates	* Initiative was not evaluated * Net-to-Gross ratios used are consistent with the 2010 evaluation findings
26	Data Centre Incentive Program	* Initiative was not evaluated
27	EnWin Green Suites	* Initiative was not evaluated

Table 5: Summarized Program Results

Program				Gross Savings				Net Savings	
				Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)			Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program Total				318	1,135,121			196	847,937
Business Program Total				383	1,570,383			355	1,301,338
Industrial Program Total				0	0			0	0
Home Assistance Program Total				0	0			0	0
Pre-2011 Programs completed in 2011 Total				226	1,182,772			114	594,888
Total OPA Contracted Province-Wide CDM Programs				927	3,888,276			665	2,744,164

#	Initiative	Realization Rate		Gross Savings		Net-to-Gross Ratio		Net Savings	
		Peak Demand Savings	Energy Savings	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Peak Demand Savings	Energy Savings	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program									
1	Appliance Retirement	100%	100%	35	224,471	50%	52%	17	115,083
2	Appliance Exchange	100%	100%	12	17,621	52%	52%	6	9,081
3	HVAC Incentives	100%	100%	249	508,931	59%	59%	148	302,460
4	Conservation Instant Coupon Booklet	100%	100%	9	150,411	114%	111%	10	166,010
5	Bi-Annual Retailer Event	100%	100%	13	233,687	113%	110%	15	255,303
6	Retailer Co-op	-	-	0	0	-	-	0	0
7	Residential Demand Response	0%	0%	0	0	-	-	0	0
8	Residential New Construction	-	-	0	0	-	-	0	0
Business Program									
9	Efficiency: Equipment Replacement	92%	130%	171	949,087	75%	76%	128	724,440
10	Direct Install Lighting	108%	90%	212	621,297	93%	93%	227	576,898
11	Existing Building Commissioning Incentive	-	-	0	0	-	-	0	0
12	New Construction and Major Renovation Incentive	-	-	0	0	-	-	0	0
13	Energy Audit	-	-	0	0	-	-	0	0
14	Commercial Demand Response (part of the Residential program schedule)	0%	0%	0	0	-	-	0	0
15	Demand Response 3 (part of the Industrial program schedule)	76%	100%	0	0	n/a	n/a	0	0
Industrial Program									
16	Process & System Upgrades	-	-	0	0	-	-	0	0
17	Monitoring & Targeting	-	-	0	0	-	-	0	0
18	Energy Manager	-	-	0	0	-	-	0	0
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	-	-	0	0	-	-	0	0
20	Demand Response 3	84%	100%	0	0	n/a	n/a	0	0
Home Assistance Program									
21	Home Assistance Program	-	-	0	0	-	-	0	0
Pre-2011 Programs completed in 2011									
22	Electricity Retrofit Incentive Program	77%	77%	30	175,126	52%	52%	16	91,066
23	High Performance New Construction	100%	100%	196	1,007,645	50%	50%	98	503,823
24	Toronto Comprehensive	-	-	0	0	-	-	0	0
25	Multifamily Energy Efficiency Rebates	-	-	0	0	-	-	0	0
26	Data Centre Incentive Program	-	-	0	0	-	-	0	0
27	EnWin Green Suites	-	-	0	0	-	-	0	0

Assumes demand response resources have a persistence of 1 year

Program	Contribution to Targets	
	Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014	Program-to-Date: 2011-2014 Net Cumulative Energy Savings (kWh)
Consumer Program Total	194	3,389,277
Business Program Total	317	5,088,694
Industrial Program Total	0	0
Home Assistance Program Total	0	0
Pre-2011 Programs completed in 2011 Total	114	2,379,553
Total OPA Contracted Province-Wide CDM Programs	624	10,857,524

#	Initiative	Contribution to Targets	
		Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014	Program-to-Date: 2011-2014 Net Cumulative Energy Savings (kWh)
Consumer Program			
1	Appliance Retirement	17	459,825
2	Appliance Exchange	4	34,360
3	HVAC Incentives	148	1,209,842
4	Conservation Instant Coupon Booklet	10	664,038
5	Bi-Annual Retailer Event	15	1,021,212
6	Retailer Co-op	0	0
7	Residential Demand Response	0	0
8	Residential New Construction	0	0
Business Program			
9	Efficiency: Equipment Replacement	128	2,897,760
10	Direct Install Lighting	189	2,190,934
11	Existing Building Commissioning Incentive	0	0
12	New Construction and Major Renovation Incentive	0	0
13	Energy Audit	0	0
14	Commercial Demand Response (part of the Residential program schedule)	0	0
15	Demand Response 3 (part of the Industrial program schedule)	0	0
Industrial Program			
16	Process & System Upgrades	0	0
17	Monitoring & Targeting	0	0
18	Energy Manager	0	0
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	0	0
20	Demand Response 3	0	0
Home Assistance Program			
21	Home Assistance Program	0	0
Pre-2011 Programs completed in 2011			
22	Electricity Retrofit Incentive Program	16	364,262
23	High Performance New Construction	98	2,015,291
24	Toronto Comprehensive	0	0
25	Multifamily Energy Efficiency Rebates	0	0
26	Data Centre Incentive Program	0	0
27	EnWin Green Suites	0	0

Assumes demand response resources have a persistence of 1 year

Progress Towards CDM Targets

Results are attributed to target using current OPA reporting policies. Energy efficiency resources persist for the duration of the effective useful life. Any upcoming code changes are taken into account. Demand response resources persist for 1 year. Please see methodology tab for more detailed information.

Yellow cells are intended for the LDC to input information to complete their OEB Reporting Template.

Table 6: Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011 - Verified	0.66	0.66	0.66	0.62
2012				
2013				
2014				0.00
Verified Net Annual Peak Demand Savings Persisting in 2014:				0.62
PUC Distribution Inc. 2014 Annual CDM Capacity Target:				5.58
Verified Portion of Peak Demand Savings Target Achieved in 2014(%):				11.19%
LDC Milestone submitted for 2011				-%
Variance				

Table 7: Net Energy Savings at the End User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	2.74	2.74	2.74	2.63	10.86
2012					
2013					
2014					
Verified Net Cumulative Energy Savings 2011-2014:					10.86
PUC Distribution Inc. 2011-2014 Cumulative CDM Energy Target:					30.83
Verified Portion of Cumulative Energy Target Achieved (%):					35.22%
LDC Milestone submitted for 2011					-%
Variance					

Table P1: Province-Wide Participation

#	Initiative	Activity Unit	Uptake/ Participation Units
Consumer Program			
1	Appliance Retirement	Appliances	56,110
2	Appliance Exchange	Appliances	3,688
3	HVAC Incentives	Equipment	111,587
4	Conservation Instant Coupon Booklet	Products ⁴	559,462
5	Bi-Annual Retailer Event	Products ⁵	870,332
6	Retailer Co-op	Products	152
7	Residential Demand Response	Devices	19,577
8	Residential New Construction	Houses	7
Business Program			
9	Efficiency: Equipment Replacement	Projects	2,516
10	Direct Installed Lighting	Projects	20,297
11	Existing Building Commissioning Incentive	Buildings	-
12	New Construction and Major Renovation Incentive	Buildings	10
13	Energy Audit	Audits	103
14	Commercial Demand Response (part of the Residential program schedule)	Devices	264
15	Demand Response 3 (part of the Industrial program schedule)	Facilities	148
Industrial Program			
16	Process & System Upgrades ²	Projects	-
17	Monitoring & Targeting ²	Projects	-
18	Energy Manager ^{2 3}	Managers	-
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule) ¹	Projects	433
20	Demand Response 3	Facilities	134
Home Assistance Program			
21	Home Assistance Program	Homes	46
Pre 2011 Programs Completed in 2011			
22	Electricity Retrofit Incentive Program	Projects	2,023
23	High Performance New Construction	Projects	145
24	Toronto Comprehensive	Projects	553
25	Multifamily Energy Efficiency Rebates	Projects	110
26	Data Centre Incentive Program	Projects	5
27	EnWin Green Suites	Projects	3

² Results are based on completed incentive projects (see "Methodology" tab for more information)

³ Includes: Roving Energy Managers, Key Account Managers and Embedded Energy Managers with completed projects

⁴ 209,693 valid coupons redeemed

⁵ 369,446 valid coupons redeemed

Table P2: Province-Wide Results

Program				Gross Savings				Net Savings	
				Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)			Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program Total				73,757	192,379,633			49,123	133,519,668
Business Program Total				78,048	251,304,448			64,594	198,124,227
Industrial Program Total				68,648	41,493,145			57,099	31,947,577
Home Assistance Program Total				4	56,119			2	39,283
Pre-2011 Programs completed in 2011 Total				87,169	460,822,079			44,833	241,853,020
Total OPA Contracted Province-Wide CDM Programs				307,626	946,055,425			215,651	605,483,775

#	Initiative	Realization Rate		Gross Savings		Net-to-Gross Ratio		Net Savings	
		Peak Demand Savings	Energy Savings	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Peak Demand Savings	Energy Savings	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program									
1	Appliance Retirement	100%	100%	6,750	45,971,627	51%	51%	3,299	23,005,812
2	Appliance Exchange	100%	100%	719	873,531	51%	51%	371	450,187
3	HVAC Incentives	100%	100%	53,209	99,413,430	60%	60%	32,037	59,437,670
4	Conservation Instant Coupon Booklet	100%	100%	1,184	19,192,453	114%	111%	1,344	21,211,537
5	Bi-Annual Retailer Event	100%	100%	1,504	26,899,265	112%	110%	1,681	29,387,468
6	Retailer Co-op	100%	100%	0	3,917	68%	68%	0	2,652
7	Residential Demand Response	n/a	n/a	10,390	23,597	n/a	n/a	10,390	23,597
8	Residential New Construction	100%	100%	0	1,813	41%	41%	0	743
Business Program									
9	Efficiency: Equipment Replacement	106%	91%	34,201	184,070,265	72%	74%	24,467	136,002,258
10	Direct Installed Lighting	108%	93%	22,155	65,777,197	108%	93%	23,724	61,076,701
11	Existing Building Commissioning Incentive	-	-	-	-	-	-	-	-
12	New Construction and Major Renovation Incentive	50%	50%	247	823,434	50%	50%	123	411,717
13	Energy Audit	-	-	-	-	-	-	-	-
14	Commercial Demand Response (part of the Residential program schedule)	n/a	n/a	55	131	n/a	n/a	55	131
15	Demand Response 3 (part of the Industrial program schedule)	76%	n/a	21,390	633,421	n/a	n/a	16,224	633,421
Industrial Program									
16	Process & System Upgrades	-	-	-	-	-	-	-	-
17	Monitoring & Targeting	-	-	-	-	-	-	-	-
18	Energy Manager	-	-	-	-	-	-	-	-
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	111%	91%	6,372	38,412,408	72%	75%	4,615	28,866,840
20	Demand Response 3	84%	n/a	62,276	3,080,737	n/a	n/a	52,484	3,080,737
Home Assistance Program									
21	Home Assistance Program	100%	100%	4	56,119	70%	70%	2	39,283
Pre-2011 Programs completed in 2011									
22	Electricity Retrofit Incentive Program	80%	80%	40,418	223,956,390	54%	54%	21,550	120,492,549
23	High Performance New Construction	100%	100%	10,197	52,371,183	49%	49%	5,098	26,185,591
24	Toronto Comprehensive	113%	113%	33,467	174,070,574	50%	52%	15,805	86,964,886
25	Multifamily Energy Efficiency Rebates	93%	93%	2,553	9,774,792	78%	78%	1,981	7,595,683
26	Data Centre Incentive Program	100%	100%	81	533,038	100%	100%	81	533,038
27	EnWin Green Suites	100%	100%	453	116,102	70%	70%	317	81,272

Assumes demand response resources have a persistence of 1 year

Program		Contribution to Targets	
		Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014	Program-to-Date: 2011-2014 Net Cumulative Energy Savings (kWh)
Consumer Program Total		38,405	534,017,835
Business Program Total		41,048	767,657,790
Industrial Program Total		4,613	118,543,019
Home Assistance Program Total		2	157,134
Pre-2011 Programs completed in 2011 Total		44,833	967,412,079
Total OPA Contracted Province-Wide CDM Programs		128,901	2,387,787,856
#	Initiative	Contribution to Targets	
		Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014	Program-to-Date: 2011-2014 Net Cumulative Energy Savings (kWh)
Consumer Program			
1	Appliance Retirement	3,160	91,903,303
2	Appliance Exchange	181	1,930,651
3	HVAC Incentives	32,037	237,750,681
4	Conservation Instant Coupon Booklet	1,344	84,846,148
5	Bi-Annual Retailer Event	1,681	117,549,874
6	Retailer Co-op	0	10,607
7	Residential Demand Response	0	23,597
8	Residential New Construction	0	2,973
Business Program			
9	Efficiency: Equipment Replacement	24,438	543,856,392
10	Direct Installed Lighting	16,486	221,520,977
11	Existing Building Commissioning Incentive	-	-
12	New Construction and Major Renovation Incentive	123	1,646,869
13	Energy Audit	-	-
14	Commercial Demand Response (part of the Residential program schedule)	0	131
15	Demand Response 3 (part of the Industrial program schedule)	0	633,421
Industrial Program			
16	Process & System Upgrades	-	-
17	Monitoring & Targeting	-	-
18	Energy Manager	-	-
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	4,613	115,462,282
20	Demand Response 3	0	3,080,737
Home Assistance Program			
21	Home Assistance Program	2	157,134
Pre-2011 Programs completed in 2011			
22	Electricity Retrofit Incentive Program	21,550	481,970,197
23	High Performance New Construction	5,098	104,742,366
24	Toronto Comprehensive	15,805	347,859,545
25	Multifamily Energy Efficiency Rebates	1,981	30,382,733
26	Data Centre Incentive Program	81	2,132,152
27	EnWin Green Suites	317	325,086
Assumes demand response resources have a persistence of 1 year			

Summary - Provincial Progress

Table P3: Province-Wide Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011	215.7	136.4	135.7	128.9
2012				
2013				
2014				
Verified Net Annual Peak Demand Savings in 2014:				128.9
2014 Annual CDM Capacity Target				1,330
Verified Peak Demand Savings Target Achieved - 2011 (%):				9.69%

Table P4: Province-Wide Net Energy Savings at the End-User Level (GWh)

Implementation Period	Annual				Cumulative 2011-2014
	2011	2012	2013	2014	
2011	605.5	601.6	599.6	580.9	2,388
2012					0
2013					0
2014					0
Verified Net Cumulative Energy Savings 2011-2014:					2,388
2011-2014 Cumulative CDM Energy Target:					6,000
Verified Portion of Energy Target Achieved - 2011 (%):					39.79%

METHODOLOGY

All results are at the end-user level (not including transmission and distribution losses)

EQUATIONS:

PRESCRIPTIVE MEASURES/PROJECTS:

Gross Savings = Activity * Per Unit Assumption

Net Savings = Gross Savings * Net-to-Gross Ratio

All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)

ENGINEERED/CUSTOM PROJECTS:

Gross Savings = Reported Savings * Realization Rate

Net Savings = Gross Savings * Net-to-Gross Ratio

All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)

DEMAND RESPONSE:

Peak Demand: Gross Savings = Net Savings = contracted MW at contributor level * Provincial contracted to ex ante ratio

Energy: Gross Savings = Net Savings = provincial ex post energy savings * LDC proportion of total provincial contracted MW

All savings are annualized (i.e. the savings are the same regardless of the time of year a participant began offering DR)

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Consumer Program				
1	Appliance Retirement	Includes both retail and home pickup stream; Retail stream allocated based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer selection	Savings are considered to begin in the year the appliance is picked up.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
2	Appliance Exchange	When postal code information is provided by customer, results are directly attributed to the LDC. When postal code is not available, results allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year that the exchange event occurred	
3	HVAC Incentives	Results directly attributed to LDC based on customer postal code	Savings are considered to begin in the year that the installation occurred	

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
4	Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year in which the coupon was redeemed.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level. Initiative was not evaluated in 2011, reported results are presented with verified per unit assumptions and net-to-gross ratio from Bi-Annual Retailer Event and Conservation Instant Coupon Booklet initiatives.
5	Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year in which the event occurs.	
6	Retailer Co-op	When postal code information is provided by the customer, results are directly attributed. If postal code information is not available, results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year of the home visit and installation date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level. Initiative was not evaluated in 2011, reported results are presented with verified per unit assumptions and net-to-gross ratio from Bi-Annual Retailer Event and Conservation Instant Coupon Booklet initiatives.

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
7	Residential Demand Response	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year and accounts for any "snapback" in energy consumption experienced after the event. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.
8	Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the saveONenergy CRM system; Initiative was not evaluated in 2011, reported results are presented with forecast assumptions as per the business case.	Savings are considered to begin in the year of the project completion date.	Peak demand and energy savings are determined using a measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Business Program				

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
9	Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
		Additional Note: project counts were derived by filtering out "Application Status" = "Post-Project Submission - Payment denied by LDC" and only including projects with an "Actual Project Completion Date" in 2011 and pulling both the "Application Name" field followed by the "Building Address 1" field from the Post Stage Retrofit Report and finally performing a count of the Building Addresses.		
10	Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
11	Existing Building Commissioning Incentive	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
12	New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, reported results are presented with reported assumptions (as per evaluated results in 2010 and consultation with OPA-LDC Work Groups)	Savings are considered to begin in the year of the actual project completion date.	
13	Energy Audit	No resource savings results determined in 2011; Projects are directly attributed to LDC based on LDC identified in the application	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
14	Commercial Demand Response (part of the Residential program schedule)	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.
15	Demand Response 3 (part of the Industrial program schedule)	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
Industrial Program				

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
16	Process & System Upgrades	Results are directly attributed to LDC based on LDC identified in application in the saveONenergy CRM system; Initiative was not evaluated, no completed projects in 2011.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
17	Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
18	Energy Manager	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011.	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
20	Demand Response 3	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
Home Assistance Program				
21	Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, reported results are presented with forecast assumptions as per the business case.	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Pre-2011 Programs completed in 2011				

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
22	Electricity Retrofit Incentive Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available , an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results (http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports).
23	High Performance New Construction	Results are directly attributed to LDC based on customer data provided to the OPA from Enbridge; Initiative was not evaluated in 2011, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	
24	Toronto Comprehensive	Program run exclusively in Toronto Hydro-Electric System Limited service territory; Initiative was not evaluated in 2011, assumptions as per 2010 evaluation		
25	Multifamily Energy Efficiency Rebates	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available , an estimate is made based on the kWh to kW ratio in the provincial results
26	Data Centre Incentive Program	Program run exclusively in PowerStream Inc. service territory; Initiative was not evaluated in 2011, assumptions as per 2009 evaluation		

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
27	EnWin Green Suites	Program run exclusively in ENWIN Utilities Ltd. service territory; Initiative was not evaluated in 2011, assumptions as per 2010 evaluation		from the 2010 evaluated results (http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports).

ERII Sector (C&I vs. Industrial Mapping)

Building Type	Sector
Agribusiness - Cattle Farm	C&I
Agribusiness - Dairy Farm	C&I
Agribusiness - Greenhouse	C&I
Agribusiness - Other	C&I
Agribusiness - Other,Mixed-Use - Office/Retail	C&I
Agribusiness - Other,Office,Retail,Warehouse	C&I
Agribusiness - Other,Office,Warehouse	C&I
Agribusiness - Poultry	C&I
Agribusiness - Poultry,Hospitality - Motel	C&I
Agribusiness - Swine	C&I
Convenience Store	C&I
Education - College / Trade School	C&I
Education - College / Trade School,Multi-Residential - Condominium	C&I
Education - College / Trade School,Multi-Residential - Rental Apartment	C&I
Education - College / Trade School,Retail	C&I
Education - Primary School	C&I
Education - Primary School,Education - Secondary School	C&I
Education - Primary School,Multi-Residential - Rental Apartment	C&I
Education - Primary School,Not-for-Profit	C&I
Education - Secondary School	C&I
Education - University	C&I
Education - University,Office	C&I
Hospital/Healthcare - Clinic	C&I
Hospital/Healthcare - Clinic,Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Clinic,Industrial	C&I
Hospital/Healthcare - Clinic,Retail	C&I
Hospital/Healthcare - Long-term Care	C&I
Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail,Office	C&I
Hospitality - Hotel	C&I
Hospitality - Hotel,Restaurant - Dining	C&I
Hospitality - Motel	C&I
Industrial	Industrial
Mixed-Use - Office/Retail	C&I
Mixed-Use - Office/Retail,Industrial	Industrial
Mixed-Use - Office/Retail,Mixed-Use - Other	C&I
Mixed-Use - Office/Retail,Mixed-Use - Other,Not-for-Profit,Warehouse	C&I
Mixed-Use - Office/Retail,Mixed-Use - Residential/Retail	C&I
Mixed-Use - Office/Retail,Office,Restaurant - Dining,Restaurant - Quick Serve,Retail,Warehouse	C&I

Mixed-Use - Office/Retail,Office,Warehouse	C&I
Mixed-Use - Office/Retail,Retail	C&I
Mixed-Use - Office/Retail,Warehouse	C&I
Mixed-Use - Office/Retail,Warehouse,Industrial	Industrial
Mixed-Use - Other	C&I
Mixed-Use - Other,Industrial	Industrial
Mixed-Use - Other,Not-for-Profit,Office	C&I
Mixed-Use - Other,Office	C&I
Mixed-Use - Other,Other: Please specify	C&I
Mixed-Use - Other,Retail,Warehouse	C&I
Mixed-Use - Other,Warehouse	C&I
Mixed-Use - Residential/Retail	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Condominium	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Rental Apartment	C&I
Mixed-Use - Residential/Retail,Retail	C&I
Multi-Residential - Condominium	C&I
Multi-Residential - Condominium,Multi-Residential - Rental Apartment	C&I
Multi-Residential - Condominium,Other: Please specify	C&I
Multi-Residential - Rental Apartment	C&I
Multi-Residential - Rental Apartment,Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Warehouse	C&I
Multi-Residential - Social Housing Provider	C&I
Multi-Residential - Social Housing Provider,Industrial	C&I
Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Not-for-Profit	C&I
Not-for-Profit,Office	C&I
Not-for-Profit,Other: Please specify	C&I
Not-for-Profit,Warehouse	C&I
Office	C&I
Office,Industrial	Industrial
Office,Other: Please specify	C&I
Office,Other: Please specify,Warehouse	C&I
Office,Restaurant - Dining	C&I
Office,Restaurant - Dining,Industrial	Industrial
Office,Retail	C&I
Office,Retail,Industrial	C&I
Office,Retail,Warehouse	C&I
Office,Warehouse	C&I
Office,Warehouse,Industrial	Industrial
Other: Please specify	C&I
Other: Please specify,Industrial	Industrial
Other: Please specify,Retail	C&I
Other: Please specify,Warehouse	C&I
Restaurant - Dining	C&I
Restaurant - Dining,Retail	C&I

Restaurant - Quick Serve	C&I
Restaurant - Quick Serve,Retail	C&I
Retail	C&I
Retail,Industrial	Industrial
Retail,Warehouse	C&I
Warehouse	C&I
Warehouse,Industrial	Industrial

Consumer Program Allocation Methodology

Results can be allocated based on average of 2008 & 2009 residential throughput for each LDC (below) when additional information is not available. Source: OEB Yearbook Data 2008 & 2009

Local Distribution Company	Allocation
Algoma Power Inc.	0.2%
Atikokan Hydro Inc.	0.0%
Attawapiskat Power Corporation	0.0%
Bluewater Power Distribution Corporation	0.6%
Brant County Power Inc.	0.2%
Brantford Power Inc.	0.7%
Burlington Hydro Inc.	1.4%
Cambridge and North Dumfries Hydro Inc.	1.0%
Canadian Niagara Power Inc.	0.5%
Centre Wellington Hydro Ltd.	0.1%
Chapleau Public Utilities Corporation	0.0%
COLLUS Power Corporation	0.3%
Cooperative Hydro Embrun Inc.	0.0%
E.L.K. Energy Inc.	0.2%
Enersource Hydro Mississauga Inc.	3.9%
ENTEGRUS	0.6%
ENWIN Utilities Ltd.	1.6%
Erie Thames Powerlines Corporation	0.4%
Espanola Regional Hydro Distribution Corporation	0.1%
Essex Powerlines Corporation	0.7%
Festival Hydro Inc.	0.3%
Fort Albany Power Corporation	0.0%
Fort Frances Power Corporation	0.1%
Greater Sudbury Hydro Inc.	1.0%
Grimsby Power Inc.	0.2%
Guelph Hydro Electric Systems Inc.	0.9%
Haldimand County Hydro Inc.	0.4%
Halton Hills Hydro Inc.	0.5%
Hearst Power Distribution Company Limited	0.1%
Horizon Utilities Corporation	4.0%
Hydro 2000 Inc.	0.0%
Hydro Hawkesbury Inc.	0.1%
Hydro One Brampton Networks Inc.	2.8%

Hydro One Networks Inc.	30.0%
Hydro Ottawa Limited	5.6%
Innisfil Hydro Distribution Systems Limited	0.4%
Kashechewan Power Corporation	0.0%
Kenora Hydro Electric Corporation Ltd.	0.1%
Kingston Hydro Corporation	0.5%
Kitchener-Wilmot Hydro Inc.	1.6%
Lakefront Utilities Inc.	0.2%
Lakeland Power Distribution Ltd.	0.2%
London Hydro Inc.	2.7%
Middlesex Power Distribution Corporation	0.1%
Midland Power Utility Corporation	0.1%
Milton Hydro Distribution Inc.	0.6%
Newmarket - Tay Power Distribution Ltd.	0.7%
Niagara Peninsula Energy Inc.	1.0%
Niagara-on-the-Lake Hydro Inc.	0.2%
Norfolk Power Distribution Inc.	0.3%
North Bay Hydro Distribution Limited	0.5%
Northern Ontario Wires Inc.	0.1%
Oakville Hydro Electricity Distribution Inc.	1.5%
Orangeville Hydro Limited	0.2%
Orillia Power Distribution Corporation	0.3%
Oshawa PUC Networks Inc.	1.2%
Ottawa River Power Corporation	0.2%
Parry Sound Power Corporation	0.1%
Peterborough Distribution Incorporated	0.7%
PowerStream Inc.	6.6%
PUC Distribution Inc.	0.9%
Renfrew Hydro Inc.	0.1%
Rideau St. Lawrence Distribution Inc.	0.1%
Sioux Lookout Hydro Inc.	0.1%
St. Thomas Energy Inc.	0.3%
Thunder Bay Hydro Electricity Distribution Inc.	0.9%
Tillsonburg Hydro Inc.	0.1%
Toronto Hydro-Electric System Limited	12.8%
Veridian Connections Inc.	2.4%
Wasaga Distribution Inc.	0.2%
Waterloo North Hydro Inc.	1.0%
Welland Hydro-Electric System Corp.	0.4%
Wellington North Power Inc.	0.1%
West Coast Huron Energy Inc.	0.1%
Westario Power Inc.	0.5%
Whitby Hydro Electric Corporation	0.9%
Woodstock Hydro Services Inc.	0.3%

Reporting Glossary

Annual: the peak demand or energy savings that occur in a given year (includes resource savings from new program activity in a given year and resource savings persisting from previous years).

Cumulative Energy Savings: represents the sum of the annual energy savings that accrue over a defined period (in the context of this report the defined period is 2011 - 2014). This concept does not apply to peak demand savings.

End-User Level: resource savings in this report are measured at the customer level as opposed to the generator level (the difference being line losses).

Free-ridership: the percentage of participants who would have implemented the program measure or practice in the absence of the program.

Incremental: the new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start' (please see table 5).

Initiative: a Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup).

Net-to-Gross Ratio: The ratio of net savings to gross savings, which takes into account factors such as free-ridership and spillover

Net Energy Savings (MWh): energy savings attributable to conservation and demand management activities net of free-riders, etc.

Net Peak Demand Savings (MW): peak demand savings attributable to conservation and demand management activities net of free-riders, etc.

Program: a group of initiatives that target a particular market sector (i.e. Consumer, Industrial).

Realization Rate: A comparison of observed or measured (evaluated) information to original reported savings which is used to adjust the gross savings estimates.

Settlement Account: the grouping of demand response facilities (contributors) into one contractual agreement

Spillover: Reductions in energy consumption and/or demand caused by the presence of the energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.

Unit: for a specific initiative the relevant type of activity acquired in the market place (i.e. appliances picked up, projects completed, coupons redeemed).

EXHIBIT 9

OPA Final 2012 Results Report



Message from the Vice President:

The OPA is pleased to provide you with the enclosed Final 2012 Results Report. We have seen a 39% increase in energy savings for our new province-wide 2011-2014 suite of saveONenergy initiatives. Overall progress to targets is moving up with 29% of demand and 65% of energy savings achieved. Many LDCs, both large and small, continue to stay on track to meet or exceed their OEB targets. Conservation programs continue to be a valuable and cost effective resource for customers across the province, over the past two years the program cost to consumers remains within 3 cents per kWh.

Further to programmatic savings, capability building efforts launched in 2011 are yielding healthy enabled savings through Embedded Energy Managers and Audit initiative projects. The strong momentum continues in 2013.

We remain committed to ensuring LDCs are successful in meeting their objectives and our collective efforts to date have improved the current program suite by offering more local program opportunities, implementing a new expedited change management process, and enhancing incentives to make it easier for customers to participate in programs. We invite you to continue to provide your feedback to us and to celebrate our successes as we move forward.

The format of this report was developed in collaboration with the OPA-LDC Reporting and Evaluation Working Group and is designed to help populate LDC annual report templates that will be submitted to the OEB in late September. All results are now considered final for 2012. Any additional 2012 program activity not captured will be reported in the Final 2013 Results Report.

Please continue to monitor saveONenergy E-blasts for any further updates and should you have any other questions or comments please contact LDC.Support@powerauthority.on.ca.

We appreciate your ongoing collaboration and cooperation throughout the reporting and evaluation process. We look forward to another successful year.

Sincerely,

Andrew Pride

Table of Contents		
1.0 Summary	Provides a "snapshot" of your LDC's OPA-Contracted Province-Wide Program performance to date: progress to target using 2 scenarios, sector breakdown and progress against the LDC community.	4
2.0 LDC-Specific Data	Table formats, section references and table numbers align with the OEB Reporting Template.	5
2.1 LDC - Results	Provides LDC-specific initiative-level results (activity, net and gross peak demand and energy savings, and how each initiative contributes to target).	5
2.2 LDC - Adjustments to Previous Year	Provides LDC specific initiative level true-up results from previous year (activity, net and gross peak demand and energy savings, and how each initiative contributes to target).	6
2.3 LDC - NTGs	Provides LDC-specific initiative-level realization rates and net-to-gross ratios.	7
2.4 LDC - Summary	Provides a portfolio level view of achievement towards your OEB targets to date. Contains space to input LDC-specific progress to milestones set out in your CDM Strategy.	8
3.0 Province-Wide Data	LDC performance in aggregate (province-wide results)	9
3.1 Provincial - Results	Provides province-wide initiative level results (activity, net and gross peak demand and energy savings, and how each initiative contributes to target).	9
3.2 Provincial - True-up	Provides province-wide initiative level true-up results from previous year (activity, net and gross peak demand and energy savings, and how each initiative contributes to target).	10
3.3 Provincial NTGs	Provides provincial realization rates and net-to-gross ratios.	11
3.4 Provincial - Summary	Provides a portfolio level view of provincial achievement towards province-wide OEB targets to date.	12
4.0 Methodology	Provides key equations, notes and an initiative-level breakdown of: how savings are attributed to LDCs, when the savings are considered to 'start' (i.e. what period the savings are attributed to) and how the savings are calculated.	13
5.0 Reference Tables	Provides the sector mapping used for Retrofit and the allocation methodology table used in the consumer program when customer specific information is unavailable.	22
6.0 Glossary	Contains definitions for terms used throughout the report.	26

OPA-Contracted Province-Wide CDM Programs FINAL 2012 Results

LDC: PUC Distribution Inc.

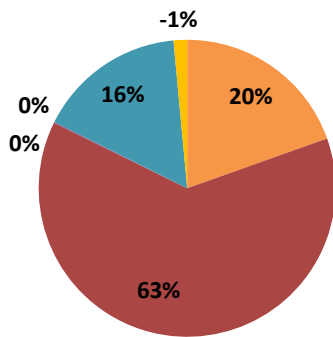
FINAL 2012 Progress to Targets	2012 Incremental	Program-to-Date Progress to Target (Scenario 1)	Scenario 1: % of Target Achieved	Scenario 2: % of Target Achieved
Net Annual Peak Demand Savings (MW)	0.8	1.4	24.7%	24.7%
Net Energy Savings (GWh)	2.7	18.8	60.9%	60.9%

Scenario 1 = Assumes that demand resource resources have a persistence of 1 year

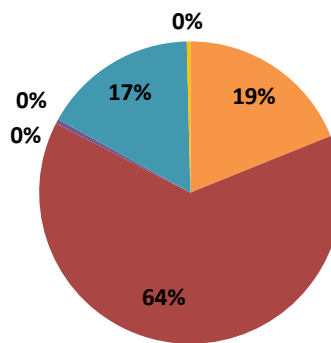
Scenario 2 = Assumes that demand response resources remain in your territory until 2014

Achievement by Sector

2012 Incremental Peak Demand Savings (MW)



2012 Incremental Energy Savings (GWh)

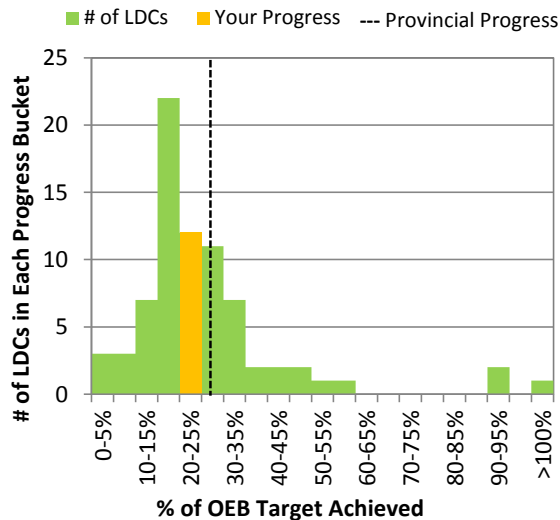


Consumer Business Industrial HAP Pre-2011 True-up

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

The following graphs assume that demand response resources remain in your territory until 2014 (aligns with Scenario 2)

% of OEB Peak Demand Savings Target Achieved



% of OEB Energy Savings Target Achieved

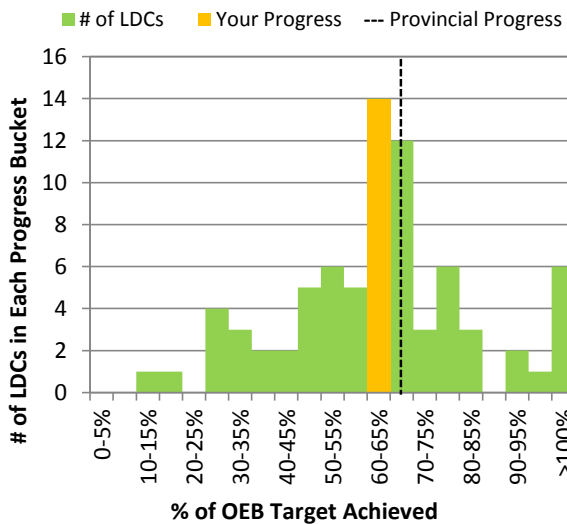


Table 1: PUC Distribution Inc. Initiative and Program Level Savings by Year (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
Consumer Program															
Appliance Retirement	Appliances	273	209			17	12			115,083	83,036			29	708,932
Appliance Exchange	Appliances	53	81			6	12			9,081	21,501			16	98,862
HVAC Incentives	Equipment	407	405			148	113			302,460	214,532			261	1,853,439
Conservation Instant Coupon Booklet	Items	4,398	268			10	2			166,010	12,147			12	700,479
Bi-Annual Retailer Event	Items	7,561	9,217			15	13			255,303	232,665			27	1,719,208
Retailer Co-op	Items	0	0			0	0			0	0			0	0
Residential Demand Response (switch/pstat)	Devices	0	0			0	0			0	0			0	0
Residential Demand Response (IHD)	Devices	0	0			0				0					
Residential New Construction	Homes	0	0			0	0			0	0			0	0
Consumer Program Total						196	152			847,937	563,881			345	5,080,920
Business Program															
Retrofit	Projects	11	18			128	148			724,440	655,680			276	4,864,800
Direct Install Lighting	Projects	182	274			227	339			576,898	1,244,484			527	5,915,657
Building Commissioning	Buildings	0	0			0	0			0	0			0	0
New Construction	Buildings	0	0			0	0			0	0			0	0
Energy Audit	Audits	0	0			0	0			0	0			0	0
Small Commercial Demand Response	Devices	0	0			0	0			0	0			0	0
Small Commercial Demand Response (IHD)	Devices	0	0			0				0				0	0
Demand Response 3	Facilities	0	0			0	0			0	0			0	0
Business Program Total						355	487			1,301,338	1,900,164			802	10,780,457
Industrial Program															
Process & System Upgrades	Projects	0	0			0	0			0	0			0	0
Monitoring & Targeting	Projects	0	0			0	0			0	0			0	0
Energy Manager	Projects	0	0			0	0			0	0			0	0
Retrofit	Projects	0				0				0				0	0
Demand Response 3	Facilities	0	0			0	0			0	0			0	0
Industrial Program Total						0	0			0	0			0	0
Home Assistance Program															
Home Assistance Program	Homes	0	18			0	1			0	14,396			1	43,188
Home Assistance Program Total						0	1			0	14,396			1	43,188
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	5	0			16	0			91,066	0			16	364,262
High Performance New Construction	Projects	3	3			98	125			503,823	494,240			223	3,498,012
Toronto Comprehensive	Projects	0	0			0	0			0	0			0	0
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0			0	0			0	0
LDC Custom Programs	Projects	0	0			0	0			0	0			0	0
Pre-2011 Programs completed in 2011 Total						114	125			594,888	494,240			239	3,862,274
Other															
Program Enabled Savings	Projects	0	0			0	0			0	0			0	0
Time-of-Use Savings	Homes														
Other Total							0				0			0	0
Adjustments to Previous Year's Verified Results							-11				-249,207			-11	-996,828
Energy Efficiency Total						665	765			2,744,164	2,972,681			1,388	19,766,839
Demand Response Total (Scenario 1)						0	0			0	0			0	0
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						665	753			2,744,164	2,723,474			1,376	18,770,011
Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.		Due to the limited timeframe of data, which didn't include the summer months, 2012 IHD results have been deemed inconclusive. The IHD line item on the 2012 annual report will be left blank. Once a full year of data is available (2013 evaluation), and the savings are quantified, 2012 results will be updated to reflect the quantified savings.				Full OEB Target:								5,580	30,830,000
						% of Full OEB Target Achieved to Date (Scenario 1):								24.7%	60.9%

Table 2: Adjustments to PUC Distribution Inc. Verified Results due to Errors or Omissions (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW) 2014	2011-2014 Net Cumulative Energy Savings (kWh) 2014
Consumer Program															
Appliance Retirement	Appliances	0				0				0				0	0
Appliance Exchange	Appliances	0				0				0				0	0
HVAC Incentives	Equipment	-44				-15				-30,798				-15	-123,194
Conservation Instant Coupon Booklet	Items	71				0				2,395				0	9,579
Bi-Annual Retailer Event	Items	711				1				18,968				1	75,873
Retailer Co-op	Items	0				0				0				0	0
Residential Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Residential Demand Response (IHD)	Devices	0				0				0				0	0
Residential New Construction	Homes	0				0				0				0	0
Consumer Program Total						-14				-9,435				-14	-37,742
Business Program															
Retrofit	Projects	1				0				428				0	1,713
Direct Install Lighting	Projects	5				3				5,936				3	23,744
Building Commissioning	Buildings	0				0				0				0	0
New Construction	Buildings	0				0				0				0	0
Energy Audit	Audits	0				0				0				0	0
Small Commercial Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Small Commercial Demand Response (IHD)	Devices	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
Business Program Total						3				6,364				3	25,457
Industrial Program															
Process & System Upgrades	Projects	0				0				0				0	0
Monitoring & Targeting	Projects	0				0				0				0	0
Energy Manager	Projects	0				0				0				0	0
Retrofit	Projects	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
Industrial Program Total						0				0				0	0
Home Assistance Program															
Home Assistance Program	Homes	0				0				0				0	0
Home Assistance Program Total						0				0				0	0
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	0				0				0				0	0
High Performance New Construction	Projects	0				0				-246,136				0	-984,544
Toronto Comprehensive	Projects	0				0				0				0	0
Multifamily Energy Efficiency Rebates	Projects	0				0				0				0	0
LDC Custom Programs	Projects	0				0				0				0	0
Pre-2011 Programs completed in 2011 Total						0				-246,136				0	-984,544
Other															
Program Enabled Savings	Projects	0				0				0				0	0
Time-of-Use Savings	Homes														
Other Total						0				0				0	0
Adjustments to Previous Year's Verified Results						-11				-249,207				-11	-996,828

* Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.

Table 3: PUC Distribution Inc. Realization Rate & NTG

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program																
Appliance Retirement		1.00				0.46				1.00				0.47		
Appliance Exchange		1.00				0.52				1.00				0.52		
HVAC Incentives		1.00				0.49				1.00				0.48		
Conservation Instant Coupon Booklet		1.00				1.00				1.00				1.05		
Bi-Annual Retailer Event		1.00				0.91				1.00				0.92		
Retailer Co-op		n/a				n/a				n/a				n/a		
Residential Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Residential Demand Response (IHD)		n/a				n/a				n/a				n/a		
Residential New Construction		n/a				n/a				n/a				n/a		
Business Program																
Retrofit		0.73				0.77				1.11				0.79		
Direct Install Lighting		0.69				0.94				0.85				0.94		
Building Commissioning		n/a				n/a				n/a				n/a		
New Construction		n/a				n/a				n/a				n/a		
Energy Audit		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (IHD)		n/a				n/a				n/a				n/a		
Demand Response 3*		n/a				n/a				n/a				n/a		
Industrial Program																
Process & System Upgrades		n/a				n/a				n/a				n/a		
Monitoring & Targeting		n/a				n/a				n/a				n/a		
Energy Manager		n/a				n/a				n/a				n/a		
Retrofit																
Demand Response 3*		n/a				n/a				n/a				n/a		
Home Assistance Program																
Home Assistance Program		1.68				1.00				1.00				1.00		
Pre-2011 Programs completed in 2011																
Electricity Retrofit Incentive Program		n/a				n/a				n/a				n/a		
High Performance New Construction		1.00				0.50				1.00				0.50		
Toronto Comprehensive		n/a				n/a				n/a				n/a		
Multifamily Energy Efficiency Rebates		n/a				n/a				n/a				n/a		
LDC Custom Programs		n/a				n/a				n/a				n/a		
Other																
Program Enabled Savings		n/a				n/a				n/a				n/a		
Time-of-Use Savings		n/a				n/a				n/a				n/a		

Progress Towards CDM Targets

Results are attributed to target using current OPA reporting policies. Energy efficiency resources persist for the duration of the effective useful life. Any upcoming code changes are taken into account. Demand response resources persist for 1 year. Please see methodology tab for more detailed information.

Table 4: Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011 - Verified	0.7	0.7	0.7	0.6
2012 - Verified		0.8	0.8	0.8
2013				
2014				
Verified Net Annual Peak Demand Savings Persisting in 2014:				1.4
PUC Distribution Inc. 2014 Annual CDM Capacity Target				5.6
Verified Portion of Peak Demand Savings Target Achieved in 2014(%):				24.7%

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

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	2.7	2.7	2.7	2.6	10.9
2012 - Verified		2.7	2.7	2.7	7.9
2013					
2014					
Verified Net Cumulative Energy Savings 2011-2014:					18.8
PUC Distribution Inc. 2011-2014 Annual CDM Energy Target					30.8
Verified Portion of Cumulative Energy Target Achieved (%):					60.9%

*2011 energy adjustments included in cumulative energy savings.

Table 6: Province-Wide Initiatives and Program Level Savings by Year

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
Consumer Program															
Appliance Retirement	Appliances	56,110	34,146			3,299	2,011			23,005,812	13,424,518			5,171	132,176,857
Appliance Exchange	Appliances	3,688	3,836			371	556			450,187	974,621			689	4,512,525
HVAC Incentives	Equipment	111,587	85,221			32,037	19,060			59,437,670	32,841,283			51,097	336,274,530
Conservation Instant Coupon Booklet	Items	559,462	30,891			1,344	230			21,211,537	1,398,202			1,575	89,040,754
Bi-Annual Retailer Event	Items	870,332	1,060,901			1,681	1,480			29,387,468	26,781,674			3,161	197,894,897
Retailer Co-op	Items	152	0			0	0			2,652	0			0	10,607
Residential Demand Response (switch/pstat)*	Devices	19,550	98,388			10,947	49,038			24,870	359,408			0	384,279
Residential Demand Response (IHD)	Devices	0	49,689			0				0					
Residential New Construction	Homes	7	19			0	2			743	17,152			2	54,430
Consumer Program Total						49,681	72,377			133,520,941	75,796,859			61,696	760,348,879
Business Program															
Retrofit	Projects	2,516	5,605			24,467	61,147			136,002,258	314,922,468			84,018	1,480,647,459
Direct Install Lighting	Projects	20,297	18,494			23,724	15,284			61,076,701	57,345,798			31,181	391,072,869
Building Commissioning	Buildings	0	0			0	0			0	0			0	0
New Construction	Buildings	10	69			123	764			411,717	1,814,721			888	7,091,031
Energy Audit	Audits	103	280			0	1,450			0	7,049,351			1,450	21,148,054
Small Commercial Demand Response	Devices	132	294			84	187			157	1,068			0	1,224
Small Commercial Demand Response (IHD)	Devices	0	0			0				0				0	0
Demand Response 3*	Facilities	145	151			16,218	19,389			633,421	281,823			0	915,244
Business Program Total						64,617	98,221			198,124,253	381,415,230			117,535	1,900,875,881
Industrial Program															
Process & System Upgrades	Projects	0	0			0	0			0	0			0	0
Monitoring & Targeting	Projects	0	0			0	0			0	0			0	0
Energy Manager	Projects	0	39			0	1,086			0	7,372,108			1,086	22,116,324
Retrofit	Projects	433				4,615				28,866,840				4,613	115,462,282
Demand Response 3*	Facilities	124	185			52,484	74,056			3,080,737	1,784,712			0	4,865,449
Industrial Program Total						57,098	75,141			31,947,577	9,156,820			5,699	142,444,054
Home Assistance Program															
Home Assistance Program	Homes	46	5,033			2	566			39,283	5,442,232			569	16,483,831
Home Assistance Program Total						2	566			39,283	5,442,232			569	16,483,831
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	2,016	0			21,662	0			121,138,219	0			21,662	484,552,876
High Performance New Construction	Projects	145	69			5,098	3,251			26,185,591	11,901,944			8,349	140,448,197
Toronto Comprehensive	Projects	577	0			15,805	0			86,964,886	0			15,805	347,859,545
Multifamily Energy Efficiency Rebates	Projects	110	0			1,981	0			7,595,683	0			1,981	30,382,733
LDC Custom Programs	Projects	8	0			399	0			1,367,170	0			399	5,468,679
Pre-2011 Programs completed in 2011 Total						44,945	3,251			243,251,550	11,901,944			48,195	1,008,712,030
Other															
Program Enabled Savings	Projects	0	16			0	2,304			0	1,188,362			2,304	3,565,086
Time-of-Use Savings	Homes														
Other Total							2,304				1,188,362			2,304	3,565,086
Adjustments to Previous Year's Verified Results							1,406				18,689,081			1,156	73,918,598
Energy Efficiency Total						136,610	109,191			603,144,419	482,474,435			235,998	3,826,263,564
Demand Response Total (Scenario 1)						79,733	142,670			3,739,185	2,427,011			0	6,166,196
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						216,343	253,267			606,883,604	503,590,526			237,154	3,906,348,358
* Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.		Due to the limited timeframe of data, which didn't include the summer months, 2012 IHD results have been deemed inconclusive. The IHD line item on the 2012 annual report will be left blank. Once a full year of data is available (2013 evaluation), and the savings are quantified, 2012 results will be updated to reflect the quantified savings.								Full OEB Target:				1,330,000	6,000,000,000
										% of Full OEB Target Achieved to Date (Scenario 1):				17.8%	65.1%

Table 7: Adjustments to Province-Wide Verified Results due to Errors & Omissions (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW) 2014	2011-2014 Net Cumulative Energy Savings (kWh) 2014
Consumer Program															
Appliance Retirement	Appliances	0				0				0				0	0
Appliance Exchange	Appliances	0				0				0				0	0
HVAC Incentives	Equipment	-18,866				-5,278				-9,721,817				-5,278	-38,887,267
Conservation Instant Coupon Booklet	Items	8,216				16				275,655				16	1,102,621
Bi-Annual Retailer Event	Items	81,817				108				2,183,391				108	8,733,563
Retailer Co-op	Items	0				0				0				0	0
Residential Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Residential Demand Response (IHD)	Devices	0				0				0				0	0
Residential New Construction	Homes	19				1				13,767				1	55,069
Consumer Program Total						-5,153				-7,249,004				-5,153	-28,996,015
Business Program															
Retrofit	Projects	303				3,204				16,216,165				3,083	64,398,674
Direct Install Lighting	Projects	444				501				1,250,388				372	4,624,945
Building Commissioning	Buildings	0				0				0				0	0
New Construction	Buildings	12				828				3,520,620				828	14,082,482
Energy Audit	Audits	93				481				2,341,392				481	9,365,567
Small Commercial Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Small Commercial Demand Response (IHD)	Devices	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
Business Program Total						5,014				23,328,565				4,764	92,471,668
Industrial Program															
Process & System Upgrades	Projects	0				0				0				0	0
Monitoring & Targeting	Projects	0				0				0				0	0
Energy Manager	Projects	0				0				0				0	0
Retrofit	Projects	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
Industrial Program Total						0				0				0	0
Home Assistance Program															
Home Assistance Program	Homes	0				0				0				0	0
Home Assistance Program Total						0				0				0	0
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	12				138				545,536				138	2,182,145
High Performance New Construction	Projects	34				1,407				2,065,200				1,407	8,260,800
Toronto Comprehensive	Projects	0				0				0				0	0
Multifamily Energy Efficiency Rebates	Projects	0				0				0				0	0
LDC Custom Programs	Projects	0				0				0				0	0
Pre-2011 Programs completed in 2011 Total						1,545				2,610,736				1,545	10,442,945
Other															
Program Enabled Savings	Projects	0				0				0				0	0
Time-of-Use Savings	Homes														
Other Total						0				0				0	0
Adjustments to Previous Year's Verified Results						1,406				18,690,297				1,156	73,918,598

* Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.

Table 8: Province-Wide Realization Rate & NTG

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program																
Appliance Retirement		1.00				0.46				1.00				0.47		
Appliance Exchange		1.00				0.52				1.00				0.52		
HVAC Incentives		1.00				0.50				1.00				0.49		
Conservation Instant Coupon Booklet		1.00				1.00				1.00				1.05		
Bi-Annual Retailer Event		1.00				0.91				1.00				0.92		
Retailer Co-op		n/a				n/a				n/a				n/a		
Residential Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Residential Demand Response (IHD)		n/a				n/a				n/a				n/a		
Residential New Construction		3.65				0.49				7.17				0.49		
Business Program																
Retrofit		0.93				0.75				1.05				0.76		
Direct Install Lighting		0.69				0.94				0.85				0.94		
Building Commissioning		n/a				n/a				n/a				n/a		
New Construction		0.98				0.49				0.99				0.49		
Energy Audit		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (IHD)		n/a				n/a				n/a				n/a		
Demand Response 3*		n/a				n/a				n/a				n/a		
Industrial Program																
Process & System Upgrades		n/a				n/a				n/a				n/a		
Monitoring & Targeting		n/a				n/a				n/a				n/a		
Energy Manager		1.16				0.90				1.16				0.90		
Retrofit																
Demand Response 3*		n/a				n/a				n/a				n/a		
Home Assistance Program																
Home Assistance Program		0.32				1.00				0.99				1.00		
Pre-2011 Programs completed in 2011																
Electricity Retrofit Incentive Program		n/a				n/a				n/a				n/a		
High Performance New Construction		1.00				0.50				1.00				0.50		
Toronto Comprehensive		n/a				n/a				n/a				n/a		
Multifamily Energy Efficiency Rebates		n/a				n/a				n/a				n/a		
LDC Custom Programs		n/a				n/a				n/a				n/a		
Other																
Program Enabled Savings		1.06				1.00				2.26				1.00		
Time-of-Use Savings		n/a				n/a				n/a				n/a		

Summary - Provincial Progress

Table 9: Province-Wide Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011	216.3	136.6	135.8	129.0
2012		253.3	109.8	108.2
2013				
2014				
Verified Net Annual Peak Demand Savings in 2014:				237.2
2014 Annual CDM Capacity Target				1,330
Verified Peak Demand Savings Target Achieved - 2011 (%):				17.8%

Table 10: Province-Wide Net Energy Savings at the End-User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011	606.9	603.0	601.0	582.3	2,393
2012		503.6	498.4	492.6	1,513
2013					
2014					
Verified Net Cumulative Energy Savings 2011-2014:					3,906
2011-2014 Cumulative CDM Energy Target:					6,000
Verified Portion of Energy Target Achieved - 2011 (%):					65.1%

*2011 energy adjustments included in cumulative energy savings.

METHODOLOGY

All results are at the end-user level (not including transmission and distribution losses)

EQUATIONS

Prescriptive Measures and Projects	Gross Savings = Activity * Per Unit Assumption Net Savings = Gross Savings * Net-to-Gross Ratio All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)
Engineered and Custom Projects	Gross Savings = Reported Savings * Realization Rate Net Savings = Gross Savings * Net-to-Gross Ratio All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)
Demand Response	Peak Demand: Gross Savings = Net Savings = contracted MW at contributor level * Provincial contracted to ex ante ratio Energy: Gross Savings = Net Savings = provincial ex post energy savings * LDC proportion of total provincial contracted MW All savings are annualized (i.e. the savings are the same regardless of the time of year a participant began offering DR)
Adjustments to Previous Year's Verified Results	All errors and omissions from the prior years Final Annual Results report will be adjusted within this report. Any errors and omissions with regards to projects counts, data lag, and calculations etc., will be made within this report. Considers the cumulative effect of energy savings.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Consumer Program			
Appliance Retirement	Includes both retail and home pickup stream; Retail stream allocated based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer selection	Savings are considered to begin in the year the appliance is picked up.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Appliance Exchange	When postal code information is provided by customer, results are directly attributed to the LDC. When postal code is not available, results allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year that the exchange event occurred	
HVAC Incentives	Results directly attributed to LDC based on customer postal code	Savings are considered to begin in the year that the installation occurred	

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year in which the coupon was redeemed.	<p>Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.</p>
Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year in which the event occurs.	
Retailer Co-op	When postal code information is provided by the customer, results are directly attributed. If postal code information is not available, results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year of the home visit and installation date.	<p>Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.</p>
Residential Demand Response	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a <i>peaksaver</i> PLUS™ participant agreement.	<p>Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year and accounts for any "snapback" in energy consumption experienced after the event. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.</p>

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the saveONenergy CRM system; Initiative was not evaluated in 2011, reported results are presented with forecast assumptions as per the business case.	Savings are considered to begin in the year of the project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Business Program			
Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
Additional Note: project counts were derived by filtering out "Application Status" = "Post-Project Submission - Payment denied by LDC" and only including projects with an "Actual Project Completion Date" in 2012 and pulling both the "Application Name" field followed by the "Building Address 1" field from the Post Stage Retrofit Report and finally performing a count of the Building Addresses.			

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
Existing Building Commissioning Incentive	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the actual project completion date.	
Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Commercial Demand Response (part of the Residential program schedule)	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.
Demand Response 3 (part of the Industrial program schedule)	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
Industrial Program			
Process & System Upgrades	Results are directly attributed to LDC based on LDC identified in application in the saveONenergy CRM system; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
Energy Manager	Results are directly attributed to LDC based on LDC identified in the application; No completed projects in 2011 or 2012.	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
Demand Response 3	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
Home Assistance Program			

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Pre-2011 Programs completed in 2011			
Electricity Retrofit Incentive Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available , an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results (http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports).
High Performance New Construction	Results are directly attributed to LDC based on customer data provided to the OPA from Enbridge; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	
Toronto Comprehensive	Program run exclusively in Toronto Hydro-Electric System Limited service territory; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation		

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Multifamily Energy Efficiency Rebates	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	<p>Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results (http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports).</p>
Data Centre Incentive Program	Program run exclusively in PowerStream Inc. service territory; Initiative was not evaluated in 2011, assumptions as per 2009 evaluation		
EnWin Green Suites	Program run exclusively in ENWIN Utilities Ltd. service territory; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation		

ERII Sector (C&I vs. Industrial Mapping)

Building Type	Sector
Agribusiness - Cattle Farm	C&I
Agribusiness - Dairy Farm	C&I
Agribusiness - Greenhouse	C&I
Agribusiness - Other	C&I
Agribusiness - Other,Mixed-Use - Office/Retail	C&I
Agribusiness - Other,Office,Retail,Warehouse	C&I
Agribusiness - Other,Office,Warehouse	C&I
Agribusiness - Poultry	C&I
Agribusiness - Poultry,Hospitality - Motel	C&I
Agribusiness - Swine	C&I
Convenience Store	C&I
Education - College / Trade School	C&I
Education - College / Trade School,Multi-Residential - Condominium	C&I
Education - College / Trade School,Multi-Residential - Rental Apartment	C&I
Education - College / Trade School,Retail	C&I
Education - Primary School	C&I
Education - Primary School,Education - Secondary School	C&I
Education - Primary School,Multi-Residential - Rental Apartment	C&I
Education - Primary School,Not-for-Profit	C&I
Education - Secondary School	C&I
Education - University	C&I
Education - University,Office	C&I
Hospital/Healthcare - Clinic	C&I
Hospital/Healthcare - Clinic,Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Clinic,Industrial	C&I
Hospital/Healthcare - Clinic,Retail	C&I
Hospital/Healthcare - Long-term Care	C&I
Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail,Office	C&I
Hospitality - Hotel	C&I
Hospitality - Hotel,Restaurant - Dining	C&I
Hospitality - Motel	C&I
Industrial	Industrial
Mixed-Use - Office/Retail	C&I
Mixed-Use - Office/Retail,Industrial	Industrial
Mixed-Use - Office/Retail,Mixed-Use - Other	C&I
Mixed-Use - Office/Retail,Mixed-Use - Other,Not-for-Profit,Warehouse	C&I
Mixed-Use - Office/Retail,Mixed-Use - Residential/Retail	C&I
Mixed-Use - Office/Retail,Office,Restaurant - Dining,Restaurant - Quick Serve,Retail,Warehouse	C&I

Mixed-Use - Office/Retail,Office,Warehouse	C&I
Mixed-Use - Office/Retail,Retail	C&I
Mixed-Use - Office/Retail,Warehouse	C&I
Mixed-Use - Office/Retail,Warehouse,Industrial	Industrial
Mixed-Use - Other	C&I
Mixed-Use - Other,Industrial	Industrial
Mixed-Use - Other,Not-for-Profit,Office	C&I
Mixed-Use - Other,Office	C&I
Mixed-Use - Other,Other: Please specify	C&I
Mixed-Use - Other,Retail,Warehouse	C&I
Mixed-Use - Other,Warehouse	C&I
Mixed-Use - Residential/Retail	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Condominium	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Rental Apartment	C&I
Mixed-Use - Residential/Retail,Retail	C&I
Multi-Residential - Condominium	C&I
Multi-Residential - Condominium,Multi-Residential - Rental Apartment	C&I
Multi-Residential - Condominium,Other: Please specify	C&I
Multi-Residential - Rental Apartment	C&I
Multi-Residential - Rental Apartment,Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Warehouse	C&I
Multi-Residential - Social Housing Provider	C&I
Multi-Residential - Social Housing Provider,Industrial	C&I
Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Not-for-Profit	C&I
Not-for-Profit,Office	C&I
Not-for-Profit,Other: Please specify	C&I
Not-for-Profit,Warehouse	C&I
Office	C&I
Office,Industrial	Industrial
Office,Other: Please specify	C&I
Office,Other: Please specify,Warehouse	C&I
Office,Restaurant - Dining	C&I
Office,Restaurant - Dining,Industrial	Industrial
Office,Retail	C&I
Office,Retail,Industrial	C&I
Office,Retail,Warehouse	C&I
Office,Warehouse	C&I
Office,Warehouse,Industrial	Industrial
Other: Please specify	C&I
Other: Please specify,Industrial	Industrial
Other: Please specify,Retail	C&I
Other: Please specify,Warehouse	C&I
Restaurant - Dining	C&I
Restaurant - Dining,Retail	C&I

Restaurant - Quick Serve	C&I
Restaurant - Quick Serve,Retail	C&I
Retail	C&I
Retail,Industrial	Industrial
Retail,Warehouse	C&I
Warehouse	C&I
Warehouse,Industrial	Industrial

Consumer Program Allocation Methodology

Results can be allocated based on average of 2008 & 2009 residential throughput for each LDC (below) when additional information is not available. Source: OEB Yearbook Data 2008 & 2009

Local Distribution Company	Allocation
Algoma Power Inc.	0.2%
Atikokan Hydro Inc.	0.0%
Attawapiskat Power Corporation	0.0%
Bluewater Power Distribution Corporation	0.6%
Brant County Power Inc.	0.2%
Brantford Power Inc.	0.7%
Burlington Hydro Inc.	1.4%
Cambridge and North Dumfries Hydro Inc.	1.0%
Canadian Niagara Power Inc.	0.5%
Centre Wellington Hydro Ltd.	0.1%
Chapleau Public Utilities Corporation	0.0%
COLLUS Power Corporation	0.3%
Cooperative Hydro Embrun Inc.	0.0%
E.L.K. Energy Inc.	0.2%
Enersource Hydro Mississauga Inc.	3.9%
ENTEGRUS	0.6%
ENWIN Utilities Ltd.	1.6%
Erie Thames Powerlines Corporation	0.4%
Espanola Regional Hydro Distribution Corporation	0.1%
Essex Powerlines Corporation	0.7%
Festival Hydro Inc.	0.3%
Fort Albany Power Corporation	0.0%
Fort Frances Power Corporation	0.1%
Greater Sudbury Hydro Inc.	1.0%
Grimsby Power Inc.	0.2%
Guelph Hydro Electric Systems Inc.	0.9%
Haldimand County Hydro Inc.	0.4%
Halton Hills Hydro Inc.	0.5%
Hearst Power Distribution Company Limited	0.1%
Horizon Utilities Corporation	4.0%
Hydro 2000 Inc.	0.0%
Hydro Hawkesbury Inc.	0.1%
Hydro One Brampton Networks Inc.	2.8%
Hydro One Networks Inc.	30.0%

Hydro Ottawa Limited	5.6%
Innisfil Hydro Distribution Systems Limited	0.4%
Kashechewan Power Corporation	0.0%
Kenora Hydro Electric Corporation Ltd.	0.1%
Kingston Hydro Corporation	0.5%
Kitchener-Wilmot Hydro Inc.	1.6%
Lakefront Utilities Inc.	0.2%
Lakeland Power Distribution Ltd.	0.2%
London Hydro Inc.	2.7%
Middlesex Power Distribution Corporation	0.1%
Midland Power Utility Corporation	0.1%
Milton Hydro Distribution Inc.	0.6%
Newmarket - Tay Power Distribution Ltd.	0.7%
Niagara Peninsula Energy Inc.	1.0%
Niagara-on-the-Lake Hydro Inc.	0.2%
Norfolk Power Distribution Inc.	0.3%
North Bay Hydro Distribution Limited	0.5%
Northern Ontario Wires Inc.	0.1%
Oakville Hydro Electricity Distribution Inc.	1.5%
Orangeville Hydro Limited	0.2%
Orillia Power Distribution Corporation	0.3%
Oshawa PUC Networks Inc.	1.2%
Ottawa River Power Corporation	0.2%
Parry Sound Power Corporation	0.1%
Peterborough Distribution Incorporated	0.7%
PowerStream Inc.	6.6%
PUC Distribution Inc.	0.9%
Renfrew Hydro Inc.	0.1%
Rideau St. Lawrence Distribution Inc.	0.1%
Sioux Lookout Hydro Inc.	0.1%
St. Thomas Energy Inc.	0.3%
Thunder Bay Hydro Electricity Distribution Inc.	0.9%
Tillsonburg Hydro Inc.	0.1%
Toronto Hydro-Electric System Limited	12.8%
Veridian Connections Inc.	2.4%
Wasaga Distribution Inc.	0.2%
Waterloo North Hydro Inc.	1.0%
Welland Hydro-Electric System Corp.	0.4%
Wellington North Power Inc.	0.1%
West Coast Huron Energy Inc.	0.1%
Westario Power Inc.	0.5%
Whitby Hydro Electric Corporation	0.9%
Woodstock Hydro Services Inc.	0.3%

Reporting Glossary

Annual: the peak demand or energy savings that occur in a given year (includes resource savings from new program activity in a given year and resource savings persisting from previous years).

Cumulative Energy Savings: represents the sum of the annual energy savings that accrue over a defined period (in the context of this report the defined period is 2011 - 2014). This concept does not apply to peak demand savings.

End-User Level: resource savings in this report are measured at the customer level as opposed to the generator level (the difference being line losses).

Free-ridership: the percentage of participants who would have implemented the program measure or practice in the absence of the program.

Incremental: the new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start' (please see table 5).

Initiative: a Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup).

Net-to-Gross Ratio: The ratio of net savings to gross savings, which takes into account factors such as free-ridership and spillover

Net Energy Savings (MWh): energy savings attributable to conservation and demand management activities net of free-riders, etc.

Net Peak Demand Savings (MW): peak demand savings attributable to conservation and demand management activities net of free-riders, etc.

Program: a group of initiatives that target a particular market sector (i.e. Consumer, Industrial).

Realization Rate: A comparison of observed or measured (evaluated) information to original reported savings which is used to adjust the gross savings estimates.

Settlement Account: the grouping of demand response facilities (contributors) into one contractual agreement

Spillover: Reductions in energy consumption and/or demand caused by the presence of the energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.

Unit: for a specific initiative the relevant type of activity acquired in the market place (i.e. appliances picked up, projects completed, coupons redeemed).